BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF COLORADO

* * * * *

RE: IN THE MATTER OF ADVICE LETTER NO. 1672-ELECTRIC FILED BY PUBLIC SERVICE COMPANY OF COLORADO TO REVISE ITS COLORADO PUC NO. 7-ELECTRIC TARIFF TO IMPLEMENT A GENERAL RATE SCHEDULE ADJUSTMENT AND OTHER RATE CHANGES EFFECTIVE JULY 18, 2014.	)))))))))	**PROCEEDING NO. 14AL-_____E**

DIRECT TESTIMONY AND ATTACHMENTS OF ROBERT B. HEVERT

ON

BEHALF OF

PUBLIC SERVICE COMPANY OF COLORADO

June 17, 2014

BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF COLORADO

* * * * *

RE: IN THE MATTER OF ADVICE LETTER NO. 1672-ELECTRIC FILED BY PUBLIC SERVICE COMPANY OF COLORADO TO REVISE ITS COLORADO PUC NO. 7-ELECTRIC TARIFF TO IMPLEMENT A GENERAL RATE SCHEDULE ADJUSTMENT AND OTHER RATE CHANGES EFFECTIVE JULY 18, 2014.	)))))))))	**PROCEEDING NO. 14AL-_____E**

SUMMARY OF DIRECT TESTIMONY OF ROBERT B. HEVERT

Mr. Robert Hevert is Managing Partner of Sussex Economic Advisors, LLC ("Sussex"). In that capacity, he advises energy and utility clients on a wide range of financial and economic issues including corporate and asset-based transactions, asset and enterprise valuation, transaction due diligence, and strategic matters and provides expert testimony in regulatory proceedings on topics, such as return on equity.

Mr. Hevert presents supporting evidence and provides the Colorado Public Utilities Commission ("Commission") with a recommendation regarding Public Service Company of Colorado's ("Public Service" or "Company") requested Return on Equity ("ROE") for its electric utility operations, and provides an assessment of the reasonableness of the capital structure to be used for ratemaking purposes. In order to develop his ROE recommendation, Mr. Hevert applies the Constant Growth Discounted Cash Flow ("DCF") model, the Multi-Stage DCF Model, the Capital Asset Pricing Model ("CAPM"), and the Bond Yield Plus Risk Premium approach using proxy groups

consisting of 1) combination electric and gas utilities, 2) electric-only utilities, and 3) a combined group consisting of combination and electric-only utilities similar to the structure of the proxy group approved by the Commission in Public Service's most recent gas rate case. Relying principally on the DCF approaches and giving additional weight to the Multi-Stage DCF approach, Mr. Hevert finds that the Company's Cost of Equity currently is in the range of 10.20 percent to 10.70 percent. He then concludes that a return on equity of 10.35 percent is reasonable and appropriate for Public Service's electric operations.

Mr. Hevert also discusses Public Service's proposed regulated capital structure as presented by Ms. Mary Schell. He compares Public Service's proposed capital structure to the capital structures of other similar utilities and concludes that the Company's proposed capital structure for ratemaking purposes is reasonable.

BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF COLORADO

* * * * *

RE: IN THE MATTER OF ADVICE LETTER NO. 1672-ELECTRIC FILED BY PUBLIC SERVICE COMPANY OF COLORADO TO REVISE ITS COLORADO PUC NO. 7-ELECTRIC TARIFF TO IMPLEMENT A GENERAL RATE SCHEDULE ADJUSTMENT AND OTHER RATE CHANGES EFFECTIVE JULY 18, 2014.	)))))))))	**PROCEEDING NO. 14AL-_____E**

SUMMARY OF DIRECT TESTIMONY OF ROBERT B. HEVERT

INDEX

SECTION **PAGE**

I. INTRODUCTION, QUALIFICATIONS, PURPOSE OF TESTIMONY, AND CONCLUSION 1

II. REGULATORY GUIDELINES AND FINANCIAL CONSIDERATIONS 7

III. PROXY GROUP SELECTION 11

IV. COST OF EQUITY ESTIMATION 22

A. Constant Growth DCF Model 24

B. Multi-Stage DCF Model 30

C. Discounted Cash Flow Model Results 39

D. CAPM Analysis 43

E. Bond Yield Plus Risk Premium Approach 53

V. BUSINESS RISKS 58

A. Planned Capital Expenditures 58

VI. CAPITAL MARKET ENVIRONMENT 63

VII. CAPITAL STRUCTURE.....67

VIII. CONCLUSIONS AND RECOMMENDATION 74

LIST OF ATTACHMENTS

Attachment No. RBH – 1	Constant Growth Discounted Cash Flow Model
Attachment No. RBH – 2	Multi-Stage Growth Discounted Cash Flow Model
Attachment No. RBH – 3	Flotation Cost Adjustment
Attachment No. RBH – 4	*Ex-Ante* Market Risk Premium
Attachment No. RBH – 5	Bloomberg, Value Line, and Calculated Beta Coefficients
Attachment No. RBH – 6	Capital Asset Pricing Model Results
Attachment No. RBH – 7	Bond Yield Plus Risk Premium – Electric and Gas
Attachment No. RBH – 8	Electric Operations for Proxy Group Companies – Year End 2013
Attachment No. RBH – 9	DuPont Regression
Attachment No. RBH – 10	Proxy Group and Operating Company Capital Structure

GLOSSARY OF ACRONYMS AND DEFINED TERMS

Acronym/Defined Term	Meaning
ALJ	Administrative Law Judge
Bluefield	Bluefield Water Works and Improvement Co. v. Public Service Comm'n
CACJA	Clean Air Clean Jobs Act
CAPM	Capital Asset Pricing Model
DCF	Discounted Cash Flow
EIX	Edison International
EPS	Earnings Per Share
FERC	Federal Energy Regulatory Commission
Fitch	FitchRatings
GDP	Gross Domestic Product
Hope	Federal Power Comm'n v. Hope Natural Gas Co.
Moody's	Moody's Investors Services
MRP	Market Risk Premium
P/E	Price to Earnings Ratio
PEG	Price to Earnings Growth Ratio
Public Service, or Company	Public Service Company of Colorado
ROE	Return on Equity
ROR	Rate of Return

Acronym/Defined Term	Meaning
S&P	Standard & Poor's
The Court	United States Supreme Court
TIPS Spread	Treasury Inflation Protected Securities Spread
VIX	CBOE Volatility Index
Xcel Energy	Xcel Energy Inc.

BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF COLORADO

* * * * *

RE: IN THE MATTER OF ADVICE LETTER NO. 1672-ELECTRIC FILED BY PUBLIC SERVICE COMPANY OF COLORADO TO REVISE ITS COLORADO PUC NO. 7-ELECTRIC TARIFF TO IMPLEMENT A GENERAL RATE SCHEDULE ADJUSTMENT AND OTHER RATE CHANGES EFFECTIVE JULY 18, 2014.	)))))))))	**PROCEEDING NO. 14AL-_____E**

SUMMARY OF DIRECT TESTIMONY OF ROBERT B. HEVERT

I. INTRODUCTION, QUALIFICATIONS, PURPOSE OF TESTIMONY, AND CONCLUSION

Q. PLEASE STATE YOUR NAME, AFFILIATION AND BUSINESS ADDRESS.

A. My name is Robert B. Hevert. I am Managing Partner of Sussex Economic Advisors, LLC ("Sussex"). My business address is 161 Worcester Road, Suite 503, Framingham, Massachusetts 01701.

Q. ON WHOSE BEHALF ARE YOU SUBMITTING THIS TESTIMONY?

A. I am submitting this direct testimony on behalf of Public Service Company of Colorado ("Public Service" or "Company"), a wholly-owned subsidiary of Xcel Energy Inc. ("Xcel Energy"). Xcel Energy is a holding company that owns three other utility operating companies[1] and a regulated natural gas pipeline company.[2]

---

[1] Xcel Energy is the parent company of the following four wholly owned utility operating companies: Northern States Power Company, a Minnesota corporation ("NSP-M"); Northern States Power Company, a Wisconsin corporation ("NSP-W"); Southwestern Public Service Company ("SPS"); and Public Service.

[2] WestGas Interstate, Inc.

Public Service provides electric, natural gas and thermal service to wholesale and retail customers in Colorado.

Q. PLEASE DESCRIBE YOUR EDUCATIONAL BACKGROUND.

A. I hold a Bachelor's degree in Business and Economics from the University of Delaware, and an MBA with a concentration in Finance from the University of Massachusetts. I also hold the Chartered Financial Analyst designation.

Q. PLEASE DESCRIBE YOUR EXPERIENCE IN THE ENERGY AND UTILITY INDUSTRIES.

A. I have worked in regulated industries for over twenty-five years, having served as an executive and manager with consulting firms, a financial officer of a publicly-traded natural gas utility (at the time, Bay State Gas Company), and an analyst at a telecommunications utility. In my role as a consultant, I have advised numerous energy and utility clients on a wide range of financial and economic issues including corporate and asset-based transactions, asset and enterprise valuation, transaction due diligence, and strategic matters. As an expert witness, I have provided testimony in over 100 proceedings regarding various financial and regulatory matters before numerous state utility regulatory agencies and the Federal Energy Regulatory Commission ("FERC"). A summary of my professional and educational background, including a list of my testimony in prior proceedings, is included in Attachment A to my Direct Testimony.

Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?

A. The purpose of my Direct Testimony is to present supporting evidence and provide the Colorado Public Utilities Commission ("Commission") with a

recommendation regarding the Company's Return on Equity ("ROE")[3] for its electric utility operations, and to provide an assessment of the reasonableness of the capital structure to be used for ratemaking purposes, as recommended in the Direct Testimony of Company witness Ms. Mary Schell. My analyses and conclusions are supported by the data presented in Attachment Nos. RBH-1 through RBH-10, which have been prepared by me or under my direction.

Q. WHAT ARE YOUR CONCLUSIONS REGARDING THE APPROPRIATE COST OF EQUITY AND CAPITAL STRUCTURE FOR THE COMPANY?

A. My analyses indicate that the Company's Cost of Equity currently is in the range of 10.20 percent to 10.70 percent. Based on the quantitative and qualitative analyses discussed throughout my Direct Testimony, I conclude that an ROE of 10.35 percent is reasonable and appropriate. With respect to the Company's capital structure, I conclude that the Company's proposed capital structure, consisting of 56.00 percent common equity and 44.00 percent long-term debt, is reasonable.

Q. WHAT ARE YOUR CONCLUSIONS REGARDING CURRENT MARKET CONDITIONS AND THE COST OF EQUITY?

A. Looking forward, observable market data, including the term structure of interest rates (that is, the slope of the yield curve) and economists' consensus projections suggest that, while interest rates may remain low relative to historical levels through the end of the Company's January 1, 2015 through December 31, 2015 Test Year ("Test Year"), the capital markets do expect an upward movement in

[3] Throughout my Direct Testimony, I interchangeably use the terms "ROE" and "Cost of Equity".

long-term Treasury yields during that time. Given that the Cost of Equity is forward-looking, it is appropriate to reflect those expectations in establishing the ROE in this proceeding.

Q. WHAT ARE THE KEY FACTORS CONSIDERED IN YOUR ANALYSES AND UPON WHICH YOU BASE YOUR RECOMMENDED ROE?

A. My analyses and recommendations considered the following:

- The established standards for determining a fair and reasonable ROE;
- The effect of the current capital market conditions on investors' return requirements; and
- The Company's ongoing need to access the capital markets to support its investments in electric infrastructure.

Q. PLEASE PROVIDE A BRIEF OVERVIEW OF THE ANALYSES THAT LED TO YOUR ROE RECOMMENDATION.

A. Because all models are subject to various assumptions and constraints, equity analysts and investors tend to use multiple methodologies in developing their return requirements. In order to develop my ROE recommendation, I therefore applied the Constant Growth Discounted Cash Flow ("DCF") model, the Multi-Stage DCF Model, the Capital Asset Pricing Model ("CAPM"), and the Bond Yield Plus Risk Premium approach. As discussed later in my Direct Testimony, in light of the Administrative Law Judge's Recommended Decision, and the

Commission's decision in Proceeding No. 12AL-1268G, my recommendation puts additional weight on the Multi-Stage DCF model.[4]

In addition to the methodologies noted above, my recommendation also takes into consideration the capital market environment in which the Company operates, as well as the risks associated with the Company's need to maintain access to the capital markets to fund substantial future capital expenditures. While I did not make any explicit adjustments to my ROE estimates for those factors, I did take them into consideration when determining the Company's Cost of Equity.

As Company witness Ms. Schell demonstrates, the Company's proposed capital structure and rate of return would enable Public Service to maintain its current credit profile supportive of its A- credit rating[5] and, therefore, its ability to access the capital markets when and as needed at a reasonable cost.

Q. HOW IS THE REMAINDER OF YOUR DIRECT TESTIMONY ORGANIZED?

A. The remainder of my Direct Testimony is organized as follows:

- Section III – Discusses the regulatory guidelines and financial considerations pertinent to the development of the cost of capital;
- Section IV – Explains my selection of the combination gas and electric utility proxy group and the electric utility proxy group used to develop my analytical results;

[4] *See* Decision No. C13-156 dated December 11, 2013, at para. 30; Decision No. R13-1307 dated October 22, 2013, at ¶¶ 298 and 318.

[5] The Company has an A- credit rating from Standard and Poor's. I note that the Company's credit rating from Moody's Investors Service and FitchRatings are A3 and A-, respectively.

- Section V – Explains my analyses and the analytical bases for my ROE recommendation;
- Section VI – Provides a discussion of specific business risks that have a direct bearing on the Company's Cost of Equity;
- Section VII – Highlights the current capital market conditions and the effect of those conditions on the Company's Cost of Equity;
- Section VIII –Addresses the reasonableness of the Company's proposed capital structure; and
- Section IX – Summarizes my conclusions and recommendations.

II. REGULATORY GUIDELINES AND FINANCIAL CONSIDERATIONS

Q. PLEASE PROVIDE A BRIEF SUMMARY OF THE GUIDELINES ESTABLISHED BY THE UNITED STATES SUPREME COURT (THE "COURT") FOR THE PURPOSE OF DETERMINING THE RETURN ON EQUITY.

A. The Court established the guiding principles for establishing a fair return for capital in two cases: (1) *Bluefield Water Works and Improvement Co. v. Public Service Comm'n*. ("*Bluefield*"); and (2) *Federal Power Comm'n v. Hope Natural Gas Co.* ("*Hope*"). In *Bluefield*, the Court stated:

> A public utility is entitled to such rates as will permit it to earn a return upon the value of the property which it employs for the convenience of the public equal to that generally being made at the same time and in the same general part of the country on investments in other business undertakings which are attended by corresponding risks and uncertainties; but it has no constitutional right to profits such as are realized or anticipated in highly profitable enterprises or speculative ventures. The return should be reasonably sufficient to assure confidence in the financial soundness of the utility, and should be adequate, under efficient and economical management, to maintain and support its credit, and enable it to raise the money necessary for the proper discharge of its public duties.[6]

The Court therefore recognizes that: (1) a regulated public utility cannot remain financially sound unless the return it is allowed to earn on its invested capital is at least equal to the cost of capital (the principle relating to the demand for capital); and (2) a regulated public utility will not be able to attract capital if it does not offer investors an opportunity to earn a return on their investment equal

[6] *Bluefield Water Works and Improvement Co. v. Public Service Comm'n*. 262 U.S. 679, 692 (1923).

to the return they expect to earn on other investments of similar risk (the principle relating to the supply of capital).

In *Hope*, the Court reiterates the financial integrity and capital attraction principles of the *Bluefield* case:

> From the investor or company point of view, it is important that there be enough revenue not only for operating expenses but also for the capital costs of the business. These include service on the debt and dividends on the stock... By that standard, the return to the equity owner should be commensurate with returns on investments in other enterprises having corresponding risks. That return, moreover, should be sufficient to assure confidence in the financial integrity of the enterprise, so as to maintain its credit and to attract capital.[7]

In summary, the Court clearly has recognized that the fair rate of return on equity should be: (1) comparable to returns investors expect to earn on other investments of similar risk; (2) sufficient to assure confidence in the company's financial integrity; and (3) adequate to maintain and support the company's credit and to attract capital.

Q. HAS THE PUBLIC UTILITIES COMMISSION OF THE STATE OF COLORADO PROVIDED SIMILAR GUIDANCE?

A. Yes. For example, the Commission has noted:

> To be consistent with sound regulatory economics and the standards set forth by the Supreme Court in the *Bluefield* and *Hope* cases, a utility's allowed ROE should be: (i) similar to that of other financially sound businesses having similar or comparable risks, (ii) sufficient to ensure confidence in the financial integrity of the utility, and (iii) adequate to maintain and support the credit of the utility, thereby enabling it to attract, on a reasonable cost basis, the funds

[7] *Federal Power Comm'n v. Hope Natural Gas Co.*, 320 U.S. 591, 603 (1944).

necessary to satisfy its capital requirements so that it can meet the obligation to provide adequate and reliable service to the public.[8]

Based on those standards, the consequence of the Commission's order in this case should be to provide the Company with the opportunity to earn an ROE that is: (1) commensurate with returns on equity investments in enterprises having comparable risks; (2) sufficient to ensure the financial soundness of the Company's operations; and (3) adequate to attract capital at reasonable terms, thereby enabling it to provide safe, reliable service.

Q. HOW DOES THE OPPORTUNITY TO EARN A RETURN ADEQUATE TO ATTRACT DEBT AND EQUITY CAPITAL AFFECT A UTILITY'S ABILITY TO PROVIDE SERVICE?

A. Having the opportunity to earn an adequate return on equity contributes to the utility's financial integrity and thereby facilitates its ability to access both long term and short-term capital markets on reasonable terms, even under difficult market conditions. Maintaining such access to capital is essential for the utility to able to continue to provide safe, reliable electric service throughout economic cycles. While the "capital attraction" and "financial integrity" standards are important principles in normal economic conditions, the practical implications of those standards are even more pronounced when, as with Public Service, the utility has substantial capital investment plans. That is particularly the case when, as discussed in more detail in Section V, the term structure of interest rates and consensus projections for long-term Treasury yields suggest rates may

[8] Proceeding Nos. 11AL-382E and Proceeding No. 11AL-387E, Decision No. C11-1373, at para. 87.

rise. The Company's need for regular and cost-effective access to both debt and equity capital, therefore, increase the importance of maintaining a strong financial profile and favorable credit ratings.

III. PROXY GROUP SELECTION

Q. AS A PRELIMINARY MATTER, WHY IS IT NECESSARY TO SELECT A GROUP OF PROXY COMPANIES TO DETERMINE THE COST OF EQUITY FOR PUBLIC SERVICE?

A. In this proceeding, we are focused on estimating the Cost of Equity for Public Service, which is a wholly-owned subsidiary of Xcel Energy. Since the ROE is a market-based concept and Public Service is not a separately traded entity, it is necessary to establish a group of companies that are both publicly traded and reasonably comparable to the Company in certain fundamental respects to serve as its "proxy" in the ROE estimation process.

Even if Public Service were a publicly traded entity, it is possible that transitory events could bias its market value in one way or another over a given period of time. A significant benefit of using a proxy group, therefore, is to moderate the effects of anomalous, temporary events that may be associated with any one company. As discussed later in my Direct Testimony, the proxy companies used in my analyses all possess a set of operating and risk characteristics that are substantially comparable to Public Service, and thus provide a reasonable basis for the derivation and assessment of ROE estimates.

Q. PLEASE PROVIDE A SUMMARY PROFILE OF PUBLIC SERVICE.

A. Public Service is an operating utility engaged in providing electric generation, transmission and distribution service to approximately 1.4 million customers, natural gas distribution and transport service to approximately 1.3 million

customers and steam service to 133 customers in Colorado.[9] Public Service's current long-term issuer credit rating from Standard & Poor's ("S&P") is A- (outlook: Stable), A3 (outlook: Stable) from Moody's Investors Service ("Moody's"), and A- (outlook: Stable) from FitchRatings ("Fitch").[10] The following table provides summary financial and operating statistics for Public Service's utility operations for the most recent three years:

[9] *See* Public Service Company of Colorado, SEC Form 10-K for the fiscal year ended December 31, 2013, at 5.

[10] Source: SNL Financial

Table 1: Public Service's Operating and Financial Results 2011 to 2013[11]

($ in 1,000s)	**2011**	**2012**	**2013**
Electric Operations[12]			
Electric Customers	1,375,574	1,385,681	1,397,026
Electric Plant	$9,469,434	$9,782,163	$10,177,056
Revenue	$3,114,370	$2,969,899	$3,081,171
Net Income	$334,516	$387,724	$368,586
Gas Operations[13]			
Gas Customers	1,314,895	1,323,828	1,335,261
Natural Gas Plant	$2,456,275	$2,583,394	$2,757,605
Revenue	$1,087,749	$962,435	$1,080,703
Net Income	$55,446	$60,003	$69,682
Percent Electric Operations			
Customers	51.13%	51.14%	51.13%
Plant	79.40%	79.11%	78.68%
Revenue	74.11%	75.53%	74.03%
Net Income	85.78%	86.60%	84.10%

Q. HOW DID YOU TAKE INTO CONSIDERATION THE FACT THAT THE COMPANY HAS BOTH ELECTRIC AND GAS OPERATIONS?

A. For purposes of my analysis I considered a proxy group consisting of combination electric and gas utilities as well as a proxy group consisting solely of vertically integrated electric utilities. Public Service derives just under 26.00

[11] *See* Public Service Company of Colorado, SEC Form 10-K for fiscal year ended December 31, 2013, at 10, 14, 46 and 82; *see* also Public Service Company of Colorado, SEC Form 10-K for fiscal year ended for fiscal year ended December 31, 2012, at 43.

[12] Net income figures include wholesale operations. I note that for example in 2013, excluding electric wholesale and other operations, there were 1,397,003 electric customers and $2,793,016 in electric revenue.

[13] Net income figures include transportation operations. For example, in 2013 excluding natural gas transportation operations, there were 1,328,988 natural gas customers and $1,002,336 in natural gas revenue.

percent of its operating revenues from its gas operations, and gas plant in service represents approximately 21.00 percent of the Company's total regulated utility plant in service. Accordingly, although the purpose of this case is to establish the rates and return requirements for the Company's electric utility operations, consistent with Commission precedent, I relied in part on a proxy group consisting of combination electric and gas utilities. I also recognize that in Proceeding No. 12AL-1268G, the Company's last natural gas rate proceeding, the Commission agreed with the Administrative Law Judge that the proxy group should include both combination and natural gas-only utilities. For that reason, I also gave weight to a proxy group consisting of vertically integrated electric utilities.

As for the combination electric/gas proxy companies, Table 2 (below; also *see* Attachment No. RBH-8) demonstrates that Public Service is very similar to that group in terms of the total revenues and operating income derived from electric utility service.[14]

[14] While I believe that Public Service is the relevant point of reference, I also note that Xcel Energy, Inc.'s proportion of electric and natural gas service is quite similar to Public Service.

Table 2: Combination Proxy Group Average Percentage of Revenues and Operating Income from Electric Utility Operations and Percentage of Electric Utility Customers (2013)[15]

Company	Ticker	% Electric Revenues	% Electric Operating Income	% Electric Customers
Alliant Energy Corp.	LNT	83.38	87.48	70.37
Black Hills Corp.	BKH	55.21	63.51	26.10
CMS Energy Corp.	CMS	65.02	70.10	50.98
DTE Energy Co.	DTE	46.40	73.90	63.64
SCANA Corp.	SCG	72.03	81.60	44.74
TECO Energy Inc.	TE	83.21	84.62	66.76
Vectren Corp.	VVC	43.33	57.64	12.53
Average		**68.51**	**74.12**	**47.87**
Median		**72.03**	**73.90**	**50.98**
Public Service		73.32	81.30	51.13

Q. HOW DID YOU SELECT THE COMPANIES INCLUDED IN YOUR COMBINATION PROXY GROUP?

A. I began with the universe of companies that Value Line classifies as Electric Utilities, which includes a group of 47 domestic U.S. utilities, and excluded companies that:

- Do not consistently pay quarterly cash dividends;
- Are not covered by at least two utility industry equity analysts;
- Do not have investment grade senior bond and/or corporate credit ratings from Standard and Poor's;
- Do not own regulated generation assets;

[15] SNL Financial and SEC Form 10-Ks.

- Derived less than 60.00 percent of combined operating income from regulated operations over the three most recently reported fiscal years;
- Derived less than 50.00 percent of combined regulated operating income from electric operations over the three most recently reported fiscal years;
- Derived less than 10.00 percent of combined regulated operating income from natural gas operations over the three most recently reported fiscal years; and
- Are currently known to be party to a merger, or other significant transaction.

Q. WHY DID YOU BEGIN YOUR SELECTION PROCESS WITH THE COMPANIES THAT VALUE LINE CLASSIFIES AS ELECTRIC UTILITIES?

A. As indicated earlier in my Direct Testimony, my objective has been to develop a proxy group consisting of combination electric/gas utilities. The Value Line Electric Utility universe includes a group of combination electric/gas utilities, whereas the Value Line Natural Gas universe includes companies that are engaged primarily in gas distribution and transmission services. By using the Value Line Electric Utility universe as the starting point in my selection process, it was possible to choose combination electric/gas utilities, as well as vertically integrated electric utilities.

Q. DID YOU INCLUDE XCEL ENERGY IN YOUR ANALYSIS?

A. No, in order to avoid the circular logic that otherwise would occur, it has been my consistent practice to exclude the subject company (or its parent) from the proxy group.

Q. WHAT COMPANIES MET THOSE SCREENING CRITERIA?

A. The criteria discussed above resulted in a proxy group of the following seven combination electric/gas utilities:

Table 3: Combination Proxy Group Screening Results

Company	Ticker
Alliant Energy Corp.	LNT
Black Hills Corp.	BKH
CMS Energy Corp.	CMS
DTE Energy Co.	DTE
SCANA Corp.	SCG
TECO Energy Inc.	TE
Vectren Corporation	VVC

Q. DO YOU BELIEVE THAT A PROXY GROUP OF SEVEN COMPANIES IS SUFFICIENTLY LARGE?

A. Yes, I do. The analyses performed in estimating the ROE are more likely to be representative of the subject utility's Cost of Equity to the extent that the chosen proxy companies are fundamentally comparable to the subject utility. Because all analysts use some form of screening process to arrive at a proxy group, the group, by definition, is not randomly drawn from a larger population. Consequently, there is no reason to place more reliance on the quantitative results of a larger proxy group simply by virtue of the resulting larger number of observations.

Moreover, because I am using market-based data, my analytical results will not necessarily be tightly clustered around a central point. Results that may be somewhat dispersed, however, do not suggest that the screening approach is

inappropriate or the results less meaningful. In my view, including companies whose fundamental comparability is tenuous at best simply for the purpose of expanding the number of observations does not add relevant information to the analysis.

Q. HOW DID YOU DEVELOP YOUR GROUP OF ELECTRIC UTILITY PROXY COMPANIES?

A. Again, I began with the companies that Value Line classifies as "Electric Utilities", which comprise a group of 47 domestic U.S. utilities, and I excluded companies:

- That do not consistently pay quarterly cash dividends;
- That are not covered by at least two utility industry equity analysts;
- That do not have investment grade senior bond and/or corporate credit ratings from Standard and Poor's;
- That do not own regulated generation assets;
- Whose regulated operating income over the three most recently reported fiscal years comprised less than 60.00 percent of the respective totals for that company;
- Whose regulated electric operating income over the three most recently reported fiscal years represented less than 90.00 percent of total regulated operating income; and
- That are currently known to be party to a merger, or other significant transaction.

Those screening criteria produced the following fifteen-company group:

Table 4: Initial Electric Proxy Group

Company	Ticker
American Electric Power Company, Inc.	AEP
Cleco Corporation	CNL
Duke Energy Corporation	DUK
Edison International	EIX
Empire District Electric Company	EDE
Great Plains Energy Inc.	GXP
Hawaiian Electric Industries, Inc.	HE
IDACORP, Inc.	IDA
NextEra Energy, Inc.	NEE
Otter Tail Corporation	OTTR
Pinnacle West Capital Corporation	PNW
PNM Resources, Inc.	PNM
Portland General Electric Company	POR
Southern Company	SO
Westar Energy, Inc.	WR

Q. IS THIS YOUR FINAL ELECTRIC PROXY GROUP?

A. No. I examined the operating profile of each of the fifteen companies that met my initial screens to be certain that none displayed characteristics that were inconsistent with my intent to produce a proxy group that is fundamentally similar to the Company. As a result, I excluded Edison International ("EIX"), which recorded a loss of $1.7 billion in 2012 as a result of placing Edison Mission Energy, the subsidiary that owns and operates unregulated electric generating assets (including Homer City), into Chapter 11 bankruptcy, and the divestiture of its Homer City assets.[16] As part of the Chapter 11 bankruptcy proceeding, EIX

[16] *See*, Edison International, SEC Form 10-K for the fiscal year ended December 31, 2012, at 35.

entered into a purchase agreement on October 18, 2013 with NRG Energy for Edison Mission Energy's assets including the assumption of certain related liabilities.[17] In addition, EIX recorded a $1.05 billion loss resulting from an after-tax earnings charge (recorded in the fourth quarter of 2011) relating to the impairment of its Homer City, Fisk, Crawford, and Waukegan power plants, wind-related charges, and other expenses.[18] Given the significant nature of those results, it is difficult to assess the degree to which regulated electric utility operations would be expected to contribute to the company's consolidated financial performance in the future. Consequently, I have excluded EIX from my final proxy group. The final Electric Company proxy group is presented in Table 5, below.

[17] *See*, NRG Energy, Inc., SEC Form 8-K, October 18, 2013, at 2.

[18] *See*, Edison International, SEC Form 10-K for the fiscal year ended December 31, 2012, at 35-36.

Table 5: Final Electric Proxy Group

Company	Ticker
American Electric Power Company, Inc.	AEP
Cleco Corporation	CNL
Duke Energy Corporation	DUK
Empire District Electric Company	EDE
Great Plains Energy Inc.	GXP
Hawaiian Electric Industries, Inc.	HE
IDACORP, Inc.	IDA
NextEra Energy, Inc.	NEE
Otter Tail Corporation	OTTR
Pinnacle West Capital Corporation	PNW
PNM Resources, Inc.	PNM
Portland General Electric Company	POR
Southern Company	SO
Westar Energy, Inc.	WR

Q. HOW HAVE YOU REFLECTED THE COMBINATION AND ELECTRIC PROXY COMPANIES IN YOUR ANALYSES?

A. In prior proceedings before the Commission, I considered the electric utility proxy group as a check on the reasonableness of the combination proxy group results.[19] While I believe that approach is reasonable, I recognize that in Proceeding No. 12AL-1268G, the Company's most recent natural gas rate case, the Commission accepted the Staff's approach of including combination utilities and natural gas utilities in the same group. For purposes of this electric rate case, I therefore have included analytical results based on a "Combined Proxy Group", which includes both the combination, and electric-only utilities.

[19] *See* Proceeding No. 11AL-947E, Direct Testimony and Attachments of Robert B. Hevert, at 25.

IV. COST OF EQUITY ESTIMATION

Q. PLEASE BRIEFLY DISCUSS THE ROE IN THE CONTEXT OF THE REGULATED RATE OF RETURN.

A. Regulated utilities primarily use common stock and long-term debt to finance their permanent property, plant, and equipment. The overall rate of return ("ROR") for a regulated utility is based on its weighted average cost of capital, in which the cost rates of the individual sources of capital are weighted by their respective book values. While the cost of debt and cost of preferred stock can be directly observed, the Cost of Equity is market-based and, therefore, must be estimated based on observable market information.

Q. HOW IS THE REQUIRED ROE DETERMINED?

A. The required ROE is estimated by using one or more analytical techniques that rely on market-based data to quantify investor expectations regarding required equity returns, adjusted for certain incremental costs and risks. By their very nature, quantitative models produce a range of results from which the market required ROE must be estimated. As discussed throughout my Direct Testimony, that estimation must be based on a comprehensive review of relevant data and information, and does not necessarily lend itself to a strict mathematical solution. Consequently, the key consideration in determining the Cost of Equity is to ensure that the methodologies employed reasonably reflect investors' view of the financial markets in general, and the subject company (in the context of the proxy group) in particular.

Q. WHAT METHODS DID YOU USE TO ESTIMATE THE COMPANY'S COST OF EQUITY?

A. I relied principally on the Constant Growth and Multi-Stage forms of the DCF model, and considered the results of the CAPM and Risk Premium approach in developing my ROE recommendation within the range of results produced by the DCF models.

Q. WHY IS IT IMPORTANT TO USE MORE THAN ONE ANALYTICAL APPROACH?

A. Because the Cost of Equity is not directly observable, it must be estimated based on both quantitative and qualitative information. Although a number of empirical models have been developed for that purpose, all are subject to limiting assumptions or other constraints. Consequently, many finance texts recommend using multiple approaches to estimate the Cost of Equity.[20] When faced with the task of estimating the Cost of Equity, analysts and investors are inclined to gather and evaluate as much relevant data as reasonably can be analyzed and, therefore, rely on multiple analytical approaches.

In essence, practitioners and academics recognize that financial models simply are tools to be used in the ROE estimation process, and that the strict adherence to any single approach, or to the specific results of any single approach, can lead to flawed or misleading conclusions. That position is consistent with the *Hope* and *Bluefield* finding that it is the analytical result, as

[20] *See*, for example, Eugene Brigham, Louis Gapenski, Financial Management: Theory and Practice, 7th Ed., 1994, at 341, and Tom Copeland, Tim Koller and Jack Murrin, Valuation: Measuring and Managing the Value of Companies, 3rd ed., 2000, at 214.

opposed to the methodology, that is controlling in arriving at ROE determinations. Thus, a reasonable ROE estimate appropriately considers alternate methodologies and the reasonableness of their individual and collective results.

Consequently, I believe it is both prudent and appropriate to use multiple methodologies in order to mitigate the effects of assumptions and inputs associated with relying exclusively on any single approach. Such use, however, must be tempered with due caution as to the results generated by each individual approach.

A. Constant Growth DCF Model

Q. ARE DCF MODELS WIDELY USED IN REGULATORY PROCEEDINGS?

A. Yes, in my experience the Constant Growth DCF model is widely recognized in regulatory proceedings, as well as in financial literature. Nonetheless, neither the DCF nor any other model should be applied without considerable judgment in the selection of data and the interpretation of results.

Q. PLEASE DESCRIBE THE DCF APPROACH.

A. The DCF approach is based on the theory that a stock's current price represents the present value of all expected future cash flows. In its simplest form, the DCF model expresses the Cost of Equity as the sum of the expected dividend yield and long-term growth rate, and is expressed as follows:

$$P = \frac{D_1}{(1+k)} + \frac{D_2}{(1+k)^2} + \cdots + \frac{D_\infty}{(1+k)^\infty} \quad [1]$$

Where P represents the current stock price, $D_1 \ldots D_\infty$ represent expected future dividends, and k is the discount rate, or required ROE. Equation [1] is a standard

present value calculation that can be simplified and rearranged into the familiar form:

$$k = \frac{D_0 (1 + g)}{P} + g \qquad [2]$$

Equation [2] often is referred to as the "Constant Growth DCF" model, in which the first term is the expected dividend yield and the second term is the expected long-term annual growth rate.

Q. WHAT ASSUMPTIONS ARE REQUIRED FOR THE CONSTANT GROWTH DCF MODEL?

A. The Constant Growth DCF model requires the following assumptions: (1) a constant average annual growth rate for earnings and dividends; (2) a stable dividend payout ratio; (3) a constant price-to-earnings multiple; and (4) a discount rate greater than the expected growth rate. In addition, the Constant Growth DCF model assumes that the same return will be required every year, in perpetuity (*see* Equation [1], above). As noted later in my Direct Testimony, however, consensus forecasts project substantial increases in long-term interest rates over the next several years. Consequently, the fundament assumption that the return required today is the same return that will be required two or more years from now likely does not hold. As such, the Constant Growth DCF results likely are conservative.

Q. WHAT MARKET DATA DID YOU USE TO CALCULATE THE DIVIDEND YIELD COMPONENT OF YOUR DCF MODEL?

A. The dividend yield is based on the proxy companies' current annualized dividend, and average closing stock prices over the 30-, 90-, and 180-trading day periods

as of April 15, 2014. However, for reasons I discuss below, I have given somewhat more weight to the calculated average stock prices over the 180-trading day period.

Q. WHY DO YOU GENERALLY USE THREE AVERAGING PERIODS TO CALCULATE AN AVERAGE STOCK PRICE?

A. I did so to ensure that the model's results are not skewed by anomalous events that may affect stock prices on any given trading day. At the same time, the averaging period should be reasonably representative of expected capital market conditions over the long term. As discussed later in my Testimony, the capital markets remain relatively unstable and as a consequence, it is reasonable to give somewhat more weight to calculations that include a larger number of observations (that is, the 180-day results). Using the 180-day averaging period also is consistent with Staff's approach in Proceeding No. 12AL-1268G, in which its DCF calculations were based on 200-day average stock prices.[21]

Q. DID YOU MAKE ANY ADJUSTMENTS TO THE DIVIDEND YIELD TO ACCOUNT FOR PERIODIC GROWTH IN DIVIDENDS?

A. Yes, I did. Since utility companies tend to increase their quarterly dividends at different times throughout the year, it is reasonable to assume that dividend increases will be evenly distributed over calendar quarters. Given that assumption, it is appropriate to calculate the expected dividend yield by applying one-half of the long-term growth rate to the current dividend yield.[22] That adjustment ensures that the expected dividend yield is, on average,

[21] *See* Proceeding No. 12AL-1268G, Attachments of Scott England, Attachment SEE-2, Page 1 of

[22] *See* Attachment No. RBH-1.

representative of the coming twelve-month period, and does not overstate the dividends to be paid during that time.

Q. WHAT IS THE APPROPRIATE MEASURE OF LONG-TERM GROWTH IN APPLYING THE DCF MODEL?

A. For the purposes of the Constant Growth DCF model, growth in earnings per share ("EPS") represents the appropriate measure of long-term growth. In its Constant Growth form, the DCF model (*i.e.*, as presented in Equation [2] above) assumes a single growth estimate in perpetuity. In order to reduce the long-term growth rate to a single measure, one must assume a constant payout ratio, and that earnings per share, dividends per share and book value per share all grow at the same constant rate. It is important to note, however, that earnings growth enables both dividend and book value growth. While dividend growth may change in the short term as a result of changes in the dividend payout ratio, over the long term dividend growth is sustained by earnings growth and thus is derivative of earnings growth. Similarly, book value can increase over time only through the addition of retained earnings, or with the issuance of new equity. Both of those factors are also derivative of earnings growth: Retained earnings increase with the amount of earnings not distributed as dividends, and the price at which new equity is issued is a function of Earnings Per Share and the then-current Price/Earnings ratio. Earnings growth is therefore the most direct measure of long-term growth and the appropriate measure to use for purposes of the DCF.

Q. IS IT COMMON IN PRACTICE TO RELY ON ANALYSTS' FORECASTS AS THE BASIS OF EARNINGS GROWTH RATE PROJECTIONS?

A. Yes. The Cost of Equity is a forward-looking concept that focuses on investor expectations regarding future returns. The estimation of such returns, therefore, should be based on forward-looking or projected data. Indeed, substantial academic research has demonstrated the relationship between analysts' forecasts and investor expectations.[23] In my view, therefore, Value Line, First Call, and Zacks (the latter two of which are consensus earnings forecast estimates) provide appropriate sources of earnings growth forecasts.

Q. DOES THE SELECTION OF A PROXY GROUP SUGGEST THAT ANALYTICAL RESULTS WILL BE TIGHTLY CLUSTERED AROUND AVERAGE (*I.E.*, MEAN) RESULTS?

A. Not necessarily. The DCF approach is based on the theory that a stock's current price represents the present value of its future expected cash flows. The Constant Growth form of the DCF model is defined as the sum of the expected dividend yield and projected long-term growth. Notwithstanding the care taken to ensure risk comparability, market expectations with respect to future risks and

[23] In *The Risk Premium Approach to Measuring a Utility's Cost of Equity*, published in Financial Management, Spring 1985, Brigham, Shome and Vinson noted that "evidence in the current literature indicates that (i) analysts' forecasts are superior to forecasts based solely on time series data; and (ii) investors do rely on analysts' forecasts." Similarly, in a review of literature regarding the extent to which analyst forecasts are reflected in stock prices (*Using Analyst's Growth Forecasts to Estimate Shareholder Required Rates of Return*, Financial Management, Spring 1986), Harris noted: "VanderWeide and Carleton recently compare consensus [financial analyst forecasts] of earnings growth to 41 different historical growth measures. They conclude that 'there is overwhelming evidence that the consensus analysts' forecast of future growth is superior to historically-oriented growth measures in predicting the firm's stock price…consistent with the hypothesis that investors use analysts' forecasts, rather than historically-oriented growth calculations, in making stock buy and sell decisions.'"

growth opportunities will vary from company to company. Therefore, even within a group of similarly situated companies, it is common for analytical results to reflect a seemingly wide range. At issue, then, is how to estimate a Company's ROE from within that range. That determination necessarily must be based on the informed judgment and experience of the analyst.

Q. PLEASE EXPLAIN HOW YOU APPLIED THE CONSTANT GROWTH DCF MODEL.

A. I applied the DCF model to the proxy groups of combination and electric utility companies using the following inputs for the price and dividend terms:

1. The average daily closing prices for the 30-trading days, 90-trading days, and 180-trading days ended April 15, 2014, for the term P_0; and
2. The annualized dividend per share as of April 15, 2014, for the term D_0.

I then calculated my DCF results using each of the following growth terms:

1. The Zacks consensus long-term earnings growth estimates;
2. The First Call consensus long-term earnings growth estimates; and
3. The Value Line long-term earnings growth estimates.

Q. HOW DID YOU CALCULATE THE HIGH AND LOW DCF RESULTS?

A. I calculated the proxy group mean and median high DCF result using the maximum EPS growth rate as reported by Value Line, Zacks, and First Call for each proxy group company in combination with the dividend yield for each of the proxy group companies. The proxy group mean and median high result then reflects the average maximum DCF result for the proxy group as a whole. I used

a similar approach to calculate the proxy group mean and median low results, using instead the minimum growth rate as reported by Value Line, Zacks, and First Call for each proxy group company.

Q. WHAT ARE THE RESULTS OF YOUR DCF ANALYSIS?

A. My Constant Growth DCF results are summarized in Table 8, at pages 39-40 below (*see* also Attachment No. RBH-1).

B. Multi-Stage DCF Model

Q. WHAT OTHER FORMS OF THE DCF MODEL HAVE YOU USED?

A. In order to address certain limiting assumptions underlying the Constant Growth form of the DCF model, I also considered the results of the Multi-Stage (three-stage) Discounted Cash Flow Model. The Multi-Stage model, which is an extension of the Constant Growth form, enables the analyst to specify growth rates over three distinct stages. As with the Constant Growth form of the DCF model, the Multi-Stage form defines the Cost of Equity as the discount rate that sets the current price equal to the discounted value of future cash flows. Unlike the Constant Growth form, however, the Multi-Stage model must be solved in an iterative fashion.

Q. WHY HAVE YOU USED A MULTI-STAGE DCF APPROACH IN ADDITION TO THE CONSTANT GROWTH DCF IN THIS CASE?

A. As noted earlier, the Constant Growth DCF model assumes that earnings, dividends and book value will grow at the same, constant rate in perpetuity; that the payout ratio will remain constant in perpetuity; and that the Price/Earnings ratio will remain constant. In addition, the model assumes that the return

required today will be the same return required every year in the future. As discussed below, those assumptions are not likely to hold. In particular, it is likely that over time, payout ratios will increase from their current levels. In addition, to the extent that long-term interest rates increase over the next few years, it is likely that the Cost of Equity also will increase. In my view, the Multi-Stage DCF model enables analysts to consider those issues, and to address the limiting, but likely unrealistic assumptions underlying the Constant Growth form of the model.

Q. HAS THE COMMISSION PREVIOUSLY RELIED ON THE MULTI-STAGE DCF MODEL IN SETTING THE RETURN ON EQUITY FOR PUBLIC SERVICE?

A. Yes, it has. In Proceeding No. 12AL-1268G, the Administrative Law Judge relied on the Multi-Stage DCF model to establish the proposed ROE.[24] The Commission found that decision to be "a rational, model-based approach supported by the evidence."[25] The Multi-Stage DCF model described below is consistent with the method on which the ALJ and the Commission relied in Proceeding No. 12AL-1268G.

Q. PLEASE GENERALLY DESCRIBE THE STRUCTURE OF YOUR MULTI-STAGE MODEL.

A. The Multi-Stage DCF model sets the subject company's stock price equal to the present value of future cash flows received over three "stages". In the first two stages, "cash flows" are defined as projected dividends. In the third stage, "cash flows" equal both dividends and the expected price at which the stock will be sold

[24] *See* Proceeding No. 12AL-1268G, Decision No. R13-1307, at para. 318 and 321.
[25] Proceeding No. 12AL-1268G, Decision No. C13-1568, at para. 36.

at the end of the period (*i.e.,* the "terminal price"). I calculated the terminal price based on the Gordon model, which defines the price as the expected dividend divided by the difference between the Cost of Equity (*i.e.*, the discount rate) and the long-term expected growth rate. In essence, the terminal price is defined by the present value of the remaining "cash flows" in perpetuity. In each of the three stages, the dividend is the product of the projected earnings per share and the expected dividend payout ratio. A summary description of the model is provided in Table 6 (below).

Table 6: Multi-Stage DCF Structure

Stage	**0**	**1**	**2**	**3**
Cash Flow Component	Initial Stock Price	Expected Dividend	Expected Dividend	Expected Dividend + Terminal Value
Inputs	Stock Price Earnings Per Share (EPS) Dividends Per Share (DPS)	Expected EPS Expected DPS	Expected EPS Expected DPS	Expected EPS Expected DPS Terminal Value
Assumptions	30, 90, and 180-day average stock price	EPS Growth Rate Payout Ratio	Growth Rate Change Payout Ratio Change	Long-term Growth Rate Long-term Payout Ratio

Q. WHAT ARE THE ANALYTICAL BENEFITS OF YOUR THREE-STAGE MODEL?

A. The primary benefits relate to the flexibility provided by the model's formulation. Since the models provide the ability to specify near, intermediate, and long-term

growth rates, for example, it avoids the sometimes limiting assumption that the subject company will grow at the same, constant rate in perpetuity. In addition, by calculating the dividend as the product of earnings and the payout ratio, the model enables analysts to reflect assumptions regarding the timing and extent of changes in the payout ratio to reflect, for example, increases or decreases in expected capital spending, or transition from current payout levels to long-term expected levels.[26] In that regard, because the model relies on multiple sources of earnings growth rate assumptions, it is not limited to a single source, such as Value Line, for all inputs, and mitigates the potential bias associated with relying on a single source of growth estimates.[27]

The model also enables the analyst to assess the reasonableness of the inputs and results by reference to certain market-based metrics. For example, the stock price estimate can be divided by the expected earnings per share in the final year to calculate an average Price to Earnings ("P/E") ratio. Similarly, the terminal P/E ratio can be divided by the terminal growth rate to develop a Price to Earnings Growth ("PEG") ratio. To the extent that either the projected P/E or PEG ratios are inconsistent with either historical or expected levels, it may indicate incorrect or inconsistent assumptions within the balance of the model.

[26] These benefits were noted by the Administrative Law Judge in 12AL-1268G. See Decision No. R13-1307, at para. 311.

[27] *See*, for example, Harris and Marston, *Estimating Shareholder Risk Premia Using Analysts' Growth Forecasts*, Financial Management, 21 (Summer 1992).

Q. PLEASE SUMMARIZE YOUR INPUTS TO THE MULTI-STAGE DCF MODEL.

A. I applied the Multi-Stage model to the proxy group described earlier in my Direct Testimony. My assumptions with respect to the various model inputs are described in Table 7 (below).

Table 7: Multi-Stage DCF Model Assumptions

Stage	Initial	First	Transition	Terminal
Stock Price	30, 90, and 180-day average stock price as of April 15, 2014			
Earnings Growth	2012 actual EPS escalated by Period 1 growth rate	EPS growth as average of (1) Value Line; (2) Zacks; (3) First Call;	Transition to Long-term GDP growth	Long-term GDP growth
Payout Ratio		Value Line company-specific	Transition to long-term industry payout ratio	Long-term expected payout ratio
Terminal Value				Expected dividend in final year divided by solved Cost of Equity less long-term growth rate

Q. HOW DID YOU CALCULATE THE LONG-TERM GROSS DOMESTIC PRODUCT ("GDP") GROWTH RATE?

A. Consistent with the approach taken in Proceeding No. 12AL-1268G, the long-term growth rate (5.70 percent) is based on the combination of the real GDP

growth rate from 1929 through 2013 (*i.e*., 3.27 percent),[28] and the expected rate of inflation rate (2.36 percent). The GDP growth rate is calculated as the compound growth rate in the chain-weighted GDP for the period from 1929 through 2013. The expected rate of inflation is the compound annual forward rate starting in ten years (*i.e.,* 2024, which is the beginning of the terminal period) and is based on the 30-day average projected inflation based on the spread between yields on long-term nominal Treasury Securities and long-term Treasury Inflation Protected Securities ("TIPS spread").

In essence, the long-term GDP growth rate projection is based on the assumption that absent specific knowledge to the contrary, it is reasonable to assume that over time, real GDP growth will revert to its long-term mean. In addition, because the Cost of Equity is a market-based estimate, it is important to reflect the sentiments and expectations of investors to the extent possible. In that important respect, the TIPS spread represents the collective views of investors regarding long-term inflation expectations. Lastly, by using forward yields, we are able to infer the level of long-term inflation expected by investors as of the terminal period of the Multi-Stage model (that is, ten years in the future).

Q. WHAT WERE YOUR SPECIFIC ASSUMPTIONS WITH RESPECT TO THE PAYOUT RATIO?

A. As noted in Table 7, for the first two periods I relied on the first year and long-term projected payout ratios reported by Value Line[29] for each of the proxy companies. I then assumed that by the end of the second period (*i.e*., the end of

[28] Bureau of Economic Analysis, March 27, 2014 update.

[29] As reported in the Value Line Investment Survey as "All Div'ds to Net Prof."

year 10), the payout ratio will converge to the long-term industry average ratio of 67.05 percent.[30]

Q. DID YOU MAKE ANY ADJUSTMENTS AS PART OF YOUR DCF ANALYSIS?

A. Yes, I made an adjustment for flotation costs.

Q. WHAT ARE FLOTATION COSTS?

A. Flotation costs are the costs associated with the sale of new issues of common stock. Such costs include out-of-pocket expenditures for preparation, filing, underwriting and other direct costs required to issue common stock.

Q. WHY IS IT IMPORTANT TO RECOGNIZE FLOTATION COSTS IN THE ALLOWED ROE?

A. In order to attract and retain new investors, a regulated utility must have the opportunity to earn a return that is both competitive and compensatory. To the extent that a company is denied the opportunity to recover prudently incurred flotation costs, actual returns will fall short of expected (or required) returns, thereby diminishing its ability to attract adequate capital on reasonable terms.

Q. ARE FLOTATION COSTS PART OF THE UTILITY'S INVESTED COSTS OR PART OF THE UTILITY'S EXPENSES?

A. Flotation costs are part of the invested costs of the utility, which are reflected on the balance sheet under "paid in capital." They are not current expenses, and therefore are not reflected on the income statement. Rather, like investments in rate base or the issuance costs of long-term debt, flotation costs are incurred over time. As a result, the great majority of a utility's flotation cost balance is

[30] Source: Value Line Investment Survey

incurred prior to the particular test year, but remains part of the cost structure that exists during the test year and beyond, and as such, should be recognized for ratemaking purposes. The recovery of flotation costs therefore is appropriate even if no new issuances are planned in the near future because failure to allow such cost recovery may deny Public Service the opportunity to earn its required rate of return in the future.

Q. DO THE DCF AND CAPM MODELS ALREADY INCORPORATE INVESTOR EXPECTATIONS OF A RETURN IN ORDER TO COMPENSATE FOR FLOTATION COSTS?

A. No. The models used to estimate the appropriate ROE assume no "friction" or transaction costs, as these costs are not reflected in the market price (in the case of the DCF model) or risk premium (in the case of the CAPM and the Bond Yield Plus Risk Premium model). Therefore, it is appropriate to consider flotation costs when determining where within the range of reasonable results Public Service's return should fall.

Q. IS THE NEED TO CONSIDER FLOTATION COSTS RECOGNIZED BY THE ACADEMIC AND FINANCIAL COMMUNITIES?

A. Yes. The need to reimburse investors for equity issuance costs is justified by the academic and financial communities in the same spirit that investors are reimbursed for the costs of issuing debt. This treatment is consistent with the philosophy of a fair rate of return. As explained by Dr. Shannon Pratt:

> Flotation costs occur when a company issues new stock. The business usually incurs several kinds of flotation or transaction costs, which reduce the actual proceeds received by the business. Some of these are direct out-of-pocket outlays, such as fees paid to

> underwriters, legal expenses, and prospectus preparation costs. Because of this reduction in proceeds, the business's required returns must be greater to compensate for the additional costs. Flotation costs can be accounted for either by amortizing the cost, thus reducing the net cash flow to discount, or by incorporating the cost into the cost of equity capital. Since flotation costs typically are not applied to operating cash flow, they must be incorporated into the cost of equity capital.[31]

Q. HAS THE COLORADO COMMISSION RECOGNIZED THE NEED TO RECOVER FLOTATION COSTS IN PRIOR ORDERS?

A. In the December 2011 Black Hills electric rate case decision, the Commission noted that while it did not believe that sufficient evidence was presented to support an adjustment for flotation costs in that case, "any adjustment for flotation costs is appropriate for consideration primarily for the issuance of new stock."[32]

Q. HAS XCEL ENERGY RECENTLY ISSUED COMMON EQUITY?

A. Yes, Xcel Energy recently issued $225 million of common equity, and has publicly stated that its five-year capital expenditure forecast of $14 billion[33] will be funded by a combination of sources, including cash from operations, debt, and an additional $700 million of common equity.[34] Public Service will update this information if its plans become more specific during the pendency of this

---

31 Shannon P. Pratt, Roger J. Grabowski, Cost of Capital: Applications and Examples, 4th ed. (John Wiley & Sons, Inc., 2010), at 586.

32 Proceeding Nos. 11AL-382E and Proceeding No. 11AL-387E, Decision No. C11-1373, at para. 89.

33 *See* Xcel Energy, Inc., *Building Sustainable Shareholder Value*, AGA Financial Forum, May 18 – 20, 2014, at 23. Of that $14.1 billion, $4.2 billion of capital investments are projected for Public Service.

34 *See* Xcel Energy, Inc., *Building Sustainable Shareholder Value*, AGA Financial Forum, May 18 – 20, 2014, at 25. As noted by Xcel Energy, financing plans are subject to change. The company continues to review its financing plans and believes it may have the flexibility to reduce its forecasted equity needs, based on its strong balance sheet and credit metrics. Xcel Energy is also analyzing the impact of the possible extension of bonus depreciation. The company plans to update its financing plans later this year.

proceeding. Because the Company recently has incurred flotation costs, and given the need to raise additional capital, a flotation cost adjustment is appropriate.

Consistent with Decision No. C11-1373, my flotation cost adjustment reflects only the direct, actual costs associated with stock issuances. As shown in Attachment No. RBH-3, my proposed 14 basis point adjustment is based on the direct underwriting discount and offering expenses associated with common stock issuances, including Xcel Energy Inc.'s two most recent equity offerings. Among those issuances is the 2013 offering of approximately 7.8 million shares. As such, consistent with the Commission's findings, my proposed adjustment reflects recent, direct flotation costs.[35]

Q. HAVE YOU CALCULATED THE EFFECT OF FLOTATION COSTS ON THE RETURN ON EQUITY?

A. Yes, I modified the DCF calculation to derive the dividend yield that would reimburse investors for direct issuance costs. Based on the weighted average issuance costs shown in Attachment No. RBH-3, a reasonable estimate of flotation costs is approximately 0.14 percent (14 basis points).

C. Discounted Cash Flow Model Results

Q. HAVE YOU CONSIDERED THE MEAN LOW RESULTS OF YOUR DCF MODELS IN DETERMINING YOUR RECOMMENDED ROE RANGE?

A. No, I have not. In my view, the mean low results of my DCF models are below a reasonable estimation of the Company's ROE. Of the 1,421 electric utility rate

[35] *See* Decision No. C11-1373, at para. 89.

cases since 1980, for example, there were only four that included an ROE 9.00 percent or lower.[36] Moreover, there have been no events suggesting that the Company's Cost of Equity has fallen by as much as 21 to 168 basis points since the Order approving the settled ROE in the Company's most recent electric rate case.[37] On that basis alone, the mean low results are highly improbable.

As a practical matter, the Constant Growth and Multi-Stage DCF models both are subject to certain assumptions, one of which is that the calculated Cost of Equity will remain constant in perpetuity. Given that over the past thirty years there have been essentially no authorized ROEs as low as the mean low DCF results, and that market data suggests the potential for increases in interest rates in the future, I believe that it is unreasonable to assume that returns of 8.49 percent and lower are meaningful estimates of the Company's forward-looking Cost of Equity.[38] As such, I did not consider the mean low DCF results when determining the appropriate ROE for Public Service.

Q. IF YOU DO NOT BELIEVE THE MEAN LOW RESULTS OF YOUR DCF MODELS ARE REASONABLE, WHY HAVE YOU PROVIDED THEM THROUGHOUT YOUR TESTIMONY?

A. While I do not believe any weight should be given to the mean low DCF results, I believe it is important to provide transparency in the presentation of analyses. As

---

[36] Source: SNL Financial

[37] *See* Public Utilities Commission of the State of Colorado, Proceeding No. 11AL-947E, Order Approving Settlement Agreement, dated May 9, 2012 at 16. Public Service's current electric authorized ROE is 10.00 percent. The average of the Combined Proxy Group's low end results for the Multi-Stage DCF model is approximately 9.79 percent, or 21 basis points below the current authorized ROE, and the average of the mean low results for the Constant Growth DCF model is 8.32 percent, or 168 basis points below the current authorized ROE.

[38] 8.49 percent is the mean low DCF result for the combination utility proxy group using 180-day average stock prices, which is the highest of the mean low DCF results.

such, I have presented the mean low results, which reflect the converse calculation of the mean high results.

Q. PLEASE SUMMARIZE YOUR CONSTANT GROWTH AND MULTI-STAGE DCF MODEL RESULTS.

A. Tables 8a through 8c (below; *see* also Attachment No. RBH-1 and Attachment No. RBH-2), present the results of the Constant Growth and Multi-Stage DCF analyses.

Table 8a: Combination Proxy Group Discounted Cash Flow Model Results[39]

	Low Growth Rate	**Mean Growth Rate**	**High Growth Rate**
Mean Constant Growth DCF Results			
30-Day Average	8.28%	9.55%	11.28%
90-Day Average	8.42%	9.70%	11.42%
180-Day Average	8.49%	9.76%	11.49%
Mean Multi-Stage DCF Results			
	Low Growth Rate	**Mean Growth Rate**	**High Growth Rate**
30-Day Average	9.60%	9.92%	10.43%
90-Day Average	9.75%	10.08%	10.61%
180-Day Average	9.81%	10.15%	10.69%

[39] Includes flotation cost adjustment.

Table 8b: Electric Proxy Group Discounted Cash Flow Model Results[40]

	Low Growth Rate	Mean Growth Rate	High Growth Rate
Mean Constant Growth DCF Results			
30-Day Average	8.18%	9.51%	10.87%
90-Day Average	8.29%	9.62%	10.98%
180-Day Average	8.37%	9.70%	11.06%
Mean Multi-Stage DCF Results			
	Low Growth Rate	**Mean Growth Rate**	**High Growth Rate**
30-Day Average	9.72%	10.10%	10.55%
90-Day Average	9.84%	10.23%	10.69%
180-Day Average	9.92%	10.32%	10.79%

Table 8c: Combined Proxy Group Discounted Cash Flow Model Results[41]

	Low Growth Rate	Mean Growth Rate	High Growth Rate
Mean Constant Growth DCF Results			
30-Day Average	8.21%	9.52%	11.01%
90-Day Average	8.34%	9.65%	11.13%
180-Day Average	8.41%	9.72%	11.20%
Mean Multi-Stage DCF Results			
	Low Growth Rate	**Mean Growth Rate**	**High Growth Rate**
30-Day Average	9.68%	10.04%	10.51%
90-Day Average	9.81%	10.18%	10.66%
180-Day Average	9.88%	10.26%	10.76%

[40] Includes flotation cost adjustment.
[41] Includes flotation cost adjustment.

Q. DID YOU UNDERTAKE ANY ADDITIONAL ANALYSES TO SUPPORT YOUR RECOMMENDATION?

A. Yes. As noted earlier, I also applied the CAPM and Bond Yield Plus Risk Premium analysis in estimating the Company's Cost of Equity.

D. CAPM Analysis

Q. PLEASE BRIEFLY DESCRIBE THE GENERAL FORM OF THE CAPM ANALYSIS.

A. The CAPM analysis is a risk premium approach that estimates the Cost of Equity for a given security as a function of a risk-free return plus a risk premium (to compensate investors for the non-diversifiable or "systematic" risk of that security). As shown in Equation [3], the CAPM is defined by four components, each of which theoretically must be a forward-looking estimate:

$$k = r_f + \beta(r_m - r_f) \quad [3]$$

Where:

k = the required market ROE;

β = Beta coefficient of an individual security;

r_f = the risk-free rate of return; and

r_m = the required return on the market as a whole.

In Equation [3], the term (r_m – r_f) represents the Market Risk Premium.[42] According to the theory underlying the CAPM, since unsystematic risk can be diversified away by adding securities to their investment portfolio, investors

[42] The Market Risk Premium is defined as the incremental return of the market over the risk-free rate.

should be concerned only with systematic or non-diversifiable risk. Non-diversifiable risk is measured by the Beta coefficient, which is defined as:

$$\beta_j = \frac{\sigma_j}{\sigma_m} x\, \rho_{j,m} \quad [4]$$

where "σ_j" is the standard deviation of returns for company "j"; "σ_m" is the standard deviation of returns for the broad market (as measured, for example, by the S&P 500 Index), and "$\rho_{j,m}$" is the correlation of returns in between company "j" and the broad market. Thus, the Beta coefficient represents both relative volatility (*i.e.,* the standard deviation) of returns, and the correlation in returns between the subject company and the overall market.

Q. HAS THE CAPM BEEN AFFECTED BY RECENT ECONOMIC CONDITIONS?

A. Yes. For example, the risk-free rate, "r_f", is represented by the yield on long-term U.S. Treasury securities. During periods of increased equity market volatility, investors tend to allocate their capital to low-risk securities such as Treasury bonds, thereby bidding down the yield on those securities. In addition, since the 2008 Lehman Brothers bankruptcy filing, the Federal Reserve has focused on maintaining low long-term interest rates. However, the capital markets continue to change by some measures quite significantly; the 30-year Treasury yield increased by 63 basis points from May 1, 2013 through April 15, 2014. Because it is likely that capital market conditions will continue to change through the end of the Test Year, I believe that it is appropriate to consider such potential changes in estimating the Company's Cost of Equity.

Q. WITH THOSE OBSERVATIONS IN MIND, HOW DID YOU REFLECT THE RISK-FREE RATE COMPONENT OF THE CAPM?

A. First, because utility assets represent long-term investments, I relied on estimates of the 30-year Treasury yield as the risk-free rate component of the CAPM analysis. In order to assess the likelihood of changes in those yields, I considered two sources of information: (1) the term structure of the current yield curve; and (2) consensus projections of the 30-year Treasury yield for the years 2014 and 2015. As discussed below, both of those sources suggest market expectations of interest rate increases during that period.

Q. TURNING FIRST TO THE TERM STRUCTURE OF INTEREST RATES, HOW DID YOU ASSESS AND REFLECT THAT DATA IN YOUR CAPM ANALYSES?

A. As a preliminary matter, the "term structure of interest rates" describes the relationship between the yield on a given (Treasury) security, and the time to maturity for that security. For a normal upward-sloping yield curve, the yield increases with the time to maturity to reflect the proposition that uncertainty and risk increases over longer periods of time. One of the theories explaining the slope of the yield curve, the "Expectations Theory", assumes that the various maturities are perfect substitutes for each other and as such, the shape of the yield curve depends on the market's expectation of future interest rates. For example, the current 30-year Treasury yield reflects the combination of (1) the current one-year Treasury yield and (2) the expected 29-year Treasury yield one year from now (that is, the "forward" 29-year Treasury yield). Similarly, the current 30-Year Treasury yield reflects the combination of the current two-year

Treasury yield and the forward 28-year Treasury yield; the same is true of the current three-year yield and the forward 27-year Treasury yield.

The Expectations Theory therefore allows us to compare current long-term Treasury yields with the market's expectations of those yields one, two, and three years in the future (which includes the end of the Company's Test Year). As shown on Table 9 (below), the current yield curve clearly suggest expected increases in long-term Treasury yields. For example, while the current (interpolated) 27-year Treasury yield is 3.52 percent, in three years it is expected to be 3.91 percent, an increase of 39 basis points.

Table 9: Current and Forward Treasury Yields[43]

Year	Yield Term (Years)	Current Yield	Forward Yield	Difference
1	29	3.57%	3.72%	0.15%
2	28	3.54%	3.83%	0.29%
3	27	3.52%	3.91%	0.39%

While the Expectations Theory is one method of explaining investors' views of expected interest rates, other theories consider additional information such as the preferences of different groups of investors for securities of differing maturities, and the increased premium required for long-term securities. Consequently, while the data presented in Table 9 (above) demonstrate that investors expect some degree of increases in interest rates, it also is important to consider the consensus view of professional forecasters, who likely consider such information. To do so, I relied on the Blue Chip Financial Forecast of

[43] Source: Federal Reserve H15 Release data as of April 15, 2014. 30-day averages.

projected 30-year Treasury yields for 2014 to 2015. As shown on Attachment No. RBH-6, those projections call for increases in long-term interest rates somewhat greater than those indicated in Table 9.

Q. WHAT MARKET RISK PREMIUM DID YOU USE IN YOUR CAPM ANALYSIS?

A. For the reasons discussed above, I did not use a historical average; rather, I developed two forward-looking (*ex-ante*) estimates of the Market Risk Premium.

Q. PLEASE DESCRIBE YOUR APPROACH TO ESTIMATING THE FORWARD-LOOKING MARKET RISK PREMIUM.

A. My approach calculates the expected Market Risk Premium as the difference between the expected return on the broad market (as measured by the S&P 500) and current long-term Treasury yields. To estimate the market required return, I calculated the market capitalization weighted average ROE based on the Constant Growth DCF model. To do so, I relied on data from two sources: (1) Bloomberg; and (2) Value Line. For both Bloomberg and Value Line, I calculated the market capitalization weighted expected dividend yield (using the same one-half growth rate assumption described earlier), and combined that amount with the market capitalization weighted projected earnings growth rate to arrive at the market capitalization weighted average DCF result. I then subtracted the current 30-year Treasury yield from that amount to arrive at the market DCF-derived *ex-ante* MRP estimate. The results of those two calculations are provided in Attachment No. RBH-4.

Q. HOW DID YOU APPLY YOUR EXPECTED MARKET RISK PREMIUM AND RISK-FREE RATE ESTIMATES?

A. I relied on the *ex-ante* Market Risk Premia discussed above, together with the one-year "forward" 29-year Treasury yield and projected 30-year Treasury yields for 2014 to 2015 as inputs to my CAPM analyses.

Q. WHAT BETA COEFFICIENTS DID YOU USE IN YOUR CAPM ANALYSIS?

A. I considered two methods of calculation. My first approach simply employs the average reported Beta coefficient from Bloomberg and Value Line for each of the proxy group companies. While both of those services adjust their calculated (or "raw") Beta coefficients to reflect the tendency of the Beta coefficient to regress to the market mean of 1.00, Value Line calculates the Beta coefficient over a five-year period, while Bloomberg's calculation is based on two years of data. I also calculated Beta coefficients over a more recent time period to provide a more current view as to investors' perspectives with respect to the systematic risk represented by the proxy group companies.

Q. PLEASE DESCRIBE HOW YOU CALCULATED THE MEAN ADJUSTED BETA COEFFICIENT FOR YOUR PROXY GROUP.

A. As shown in Equation [4], the Beta coefficient is calculated as the ratio of the standard deviation of returns for the subject company and the market, respectively, multiplied by the correlation of returns between the two. I therefore calculated the "raw" Beta coefficient for each member of the proxy group, based on Equation [4], and adjusted those raw Beta coefficients to address the tendency to regress toward the market Beta coefficient of unity. For the purpose

of that calculation, I used weekly returns, and performed a regression on the returns over the 12-month period ended April 15, 2014. Averaging those results produces an adjusted Beta coefficient of 0.81 for both the combination and electric proxy groups.

Q. HOW AND WHY DID YOU ADJUST THE RAW BETA COEFFICIENT?

A. I adjusted my raw Beta coefficient consistent with the methodology used by Bloomberg, which multiplies the raw Beta coefficient by 0.67, and adds 0.33 to that product. The purpose of that adjustment is to reflect the results of substantial academic research indicating that, over time, raw Beta coefficients tend to regress to the market mean of 1.00.[44]

Q. PLEASE EXPLAIN WHY YOU RELIED ON A 12-MONTH ESTIMATE OF THE PROXY GROUP MEAN ADJUSTED BETA COEFFICIENT.[45]

A. As discussed above, the Market Risk Premium tends to change over time. In my view, the use of Beta coefficients calculated over shorter periods is consistent with the notion that market conditions, and the risk premium required by investors in response to those conditions, also may change over shorter periods.[46] In any

---

[44] The regression tendency of Beta coefficients to converge to 1.0 over time is well known and widely discussed in financial literature. (*See, e.g.,* Marshall E. Blume, *On the Assessment of Risk*, The Journal of Finance, Vol. 26, No. 1, March 1971, at 1-10). Please note that Value Line uses a similar adjustment methodology.

[45] There is no specific time period for the calculation of the Beta coefficient that best balances the need for current data with the desire to smooth out fluctuations from short term market dynamics. Bloomberg and Value Line use two-year and five-year time periods, respectively. A more near-term calculation of the Beta coefficient enables the analyst to reflect current investor expectations and incorporate the current relationship between the proxy group companies and the market.

[46] *See* Felicia Marston, Robert Harris, Peter Crawford*, Risk and Return in Equity Markets: Evidence Using Financial Analysts' Forecasts*, in J. Guerard and M. Gultekin (eds) Handbook of Security Analysts Forecasting and Asset Allocation, (JAI Press,199)

case, by relying on both Value Line and Bloomberg, my CAPM analysis reflects Beta Coefficients calculated over longer periods as well.

Q. IS YOUR CALCULATED BETA COEFFICIENT REASONABLE RELATIVE TO THOSE CALCULATED BY VALUE LINE AND BLOOMBERG?

A. Yes, it is. As shown in Attachment No. RBH-5, the combination proxy group average Value Line, Bloomberg, and Calculated Beta Coefficients are 0.81, 0.74, and 0.81, respectively.

Q. WHAT ARE THE RESULTS OF YOUR CAPM ANALYSES?

A. The results of my CAPM analysis are summarized in Tables 10a through 10c, below (*see* also Attachment No. RBH-6).

Table 10a: Combination Proxy Group CAPM Results

	Bloomberg Derived Market Risk Premium	***Value Line Derived Market Risk Premium***
Twelve-month Calculated Beta Coefficient		
29-Year Treasury, One-Year Forward	12.07%	10.77%
Blue Chip 2014 Consensus 30-Year Treasury	12.32%	11.02%
Blue Chip 2015 Consensus 30-Year Treasury	12.65%	11.35%
Bloomberg Beta Coefficient		
29-Year Treasury, One-Year Forward	11.31%	10.13%
Blue Chip 2014 Consensus 30-Year Treasury	11.55%	10.37%
Blue Chip 2015 Consensus 30-Year Treasury	11.89%	10.71%
Value Line Beta Coefficient		
29-Year Treasury, One-Year Forward	12.12%	10.81%
Blue Chip 2014 Consensus 30-Year Treasury	12.36%	11.06%
Blue Chip 2015 Consensus 30-Year Treasury	12.70%	11.39%

Table 10b: Electric Proxy Group CAPM Results

	Bloomberg Derived Market Risk Premium	***Value Line Derived Market Risk Premium***
Twelve-month Calculated Beta Coefficient		
29-Year Treasury, One-Year Forward	12.06%	10.76%
Blue Chip 2014 Consensus 30-Year Treasury	12.31%	11.01%
Blue Chip 2015 Consensus 30-Year Treasury	12.64%	11.35%
Bloomberg Beta Coefficient		
29-Year Treasury, One-Year Forward	11.70%	10.46%
Blue Chip 2014 Consensus 30-Year Treasury	11.94%	10.70%
Blue Chip 2015 Consensus 30-Year Treasury	12.28%	11.04%
Value Line Beta Coefficient		
29-Year Treasury, One-Year Forward	11.71%	10.47%
Blue Chip 2014 Consensus 30-Year Treasury	11.96%	10.71%
Blue Chip 2015 Consensus 30-Year Treasury	12.29%	11.05%

Table 10c: Combined Proxy Group CAPM Results

	Bloomberg Derived Market Risk Premium	***Value Line Derived Market Risk Premium***
Twelve-month Calculated Beta Coefficient		
29-Year Treasury, One-Year Forward	12.07%	10.77%
Blue Chip 2014 Consensus 30-Year Treasury	12.31%	11.01%
Blue Chip 2015 Consensus 30-Year Treasury	12.65%	11.35%
Bloomberg Beta Coefficient		
29-Year Treasury, One-Year Forward	11.57%	10.35%
Blue Chip 2014 Consensus 30-Year Treasury	11.81%	10.59%
Blue Chip 2015 Consensus 30-Year Treasury	12.15%	10.93%
Value Line Beta Coefficient		
29-Year Treasury, One-Year Forward	11.85%	10.58%
Blue Chip 2014 Consensus 30-Year Treasury	12.09%	10.83%
Blue Chip 2015 Consensus 30-Year Treasury	12.43%	11.16%

Q. DOES YOUR RECOMMENDATION SUBSTANTIALLY RELY ON THE CAPM RESULTS?

A. No, it does not. While I have calculated the CAPM using the approaches and assumptions discussed above, I did not give any specific weight to those results. Nonetheless, I do view the CAPM as useful in understanding and putting into context the market's expectations for long-term equity returns, the relationship between interest rates and the Equity Risk Premium, and the implications for potential increases in long-term Treasury yields.

E. Bond Yield Plus Risk Premium Approach

Q. PLEASE GENERALLY DESCRIBE THE BOND YIELD PLUS RISK PREMIUM APPROACH.

A. In general terms, this approach is based on the fundamental principle that equity investors bear the residual risk associated with ownership, and therefore require a premium over the return they would have earned as a bondholder. That is, since returns to equity holders are more risky than returns to bondholders, equity investors must be compensated for bearing that risk. Risk premium approaches, therefore, estimate the Cost of Equity as the sum of the Equity Risk Premium and the yield on a particular class of bonds. As noted in my discussion of the CAPM, since the Equity Risk Premium is not directly observable, it typically is estimated using a variety of approaches, some of which incorporate *ex-ante,* or forward-looking estimates of the Cost of Equity, and others that consider historical, or *ex-post,* estimates. An alternative approach is to use actual authorized returns for electric and natural gas utilities to estimate the Equity Risk Premium.

Q. PLEASE EXPLAIN HOW YOU PERFORMED YOUR BOND YIELD PLUS RISK PREMIUM ANALYSIS.

A. As discussed above, I first defined the Risk Premium as the difference between the authorized ROE and the then-prevailing level of long-term (*i.e.*, 30-year) Treasury yield. I then gathered data from 1,421 electric utility and 992 natural gas rate proceedings between January 1980 and April 15, 2014. In addition to the authorized ROE, I also calculated the average period between the filing of the case and the date of the final order (the “lag period”). In order to reflect the

prevailing level of interest rates during the pendency of the proceedings, I calculated the average 30-year Treasury yield over the average lag period (approximately 201 days for electric rate proceedings and 192 days for natural gas rate proceedings).

Because the data covers a number of economic cycles,[47] the analysis also may be used to assess the stability of the Equity Risk Premium. Prior research, for example, has shown that the Equity Risk Premium is inversely related to the level of interest rates.[48] That analysis is particularly relevant given the historically low level of current Treasury yields.

Q. HOW DID YOU MODEL THE RELATIONSHIP BETWEEN INTEREST RATES AND THE EQUITY RISK PREMIUM?

A. The basic method used was regression analysis, in which the observed Equity Risk Premium is the dependent variable, and the average 30-year Treasury yield is the independent variable. Relative to the long-term historical average, the analytical period includes interest rates and authorized ROEs that are quite high during one period (*i.e.*, the 1980s) and that are quite low during another (the post-Lehman bankruptcy period). Therefore, to account for this variability I used the semi-log regression, in which the Equity Risk Premium is expressed as a function of the natural log of the 30-year Treasury yield:

---

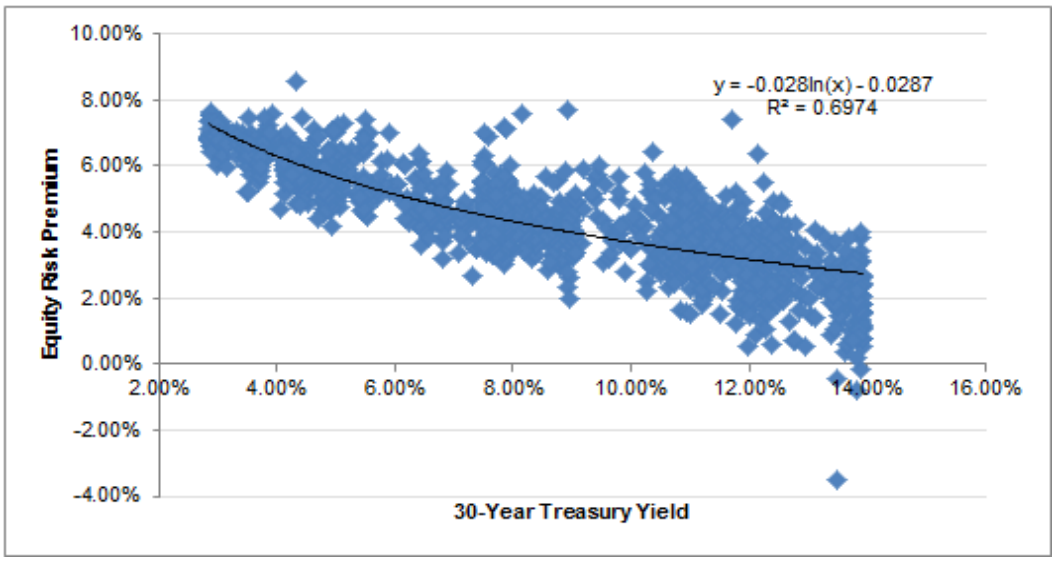
47 *See* National Bureau of Economic Research, U.S. Business Cycle Expansion and Contractions.

48 *See*, *e.g.*, Robert S. Harris and Felicia C. Marston, *Estimating Shareholder Risk Premia Using Analysts' Growth Forecasts*, Financial Management, Summer 1992, at 63-70; Eugene F. Brigham, Dilip K. Shome, and Steve R. Vinson, *The Risk Premium Approach to Measuring a Utility's Cost of Equity*, Financial Management, Spring 1985, at 33-45; and Farris M. Maddox, Donna T. Pippert, and Rodney N. Sullivan, *An Empirical Study of Ex Ante Risk Premiums for the Electric Utility Industry*, Financial Management, Autumn 1995, at 89-95.

$$RP = \alpha + \beta(LN(T_{30})) \quad [5]$$

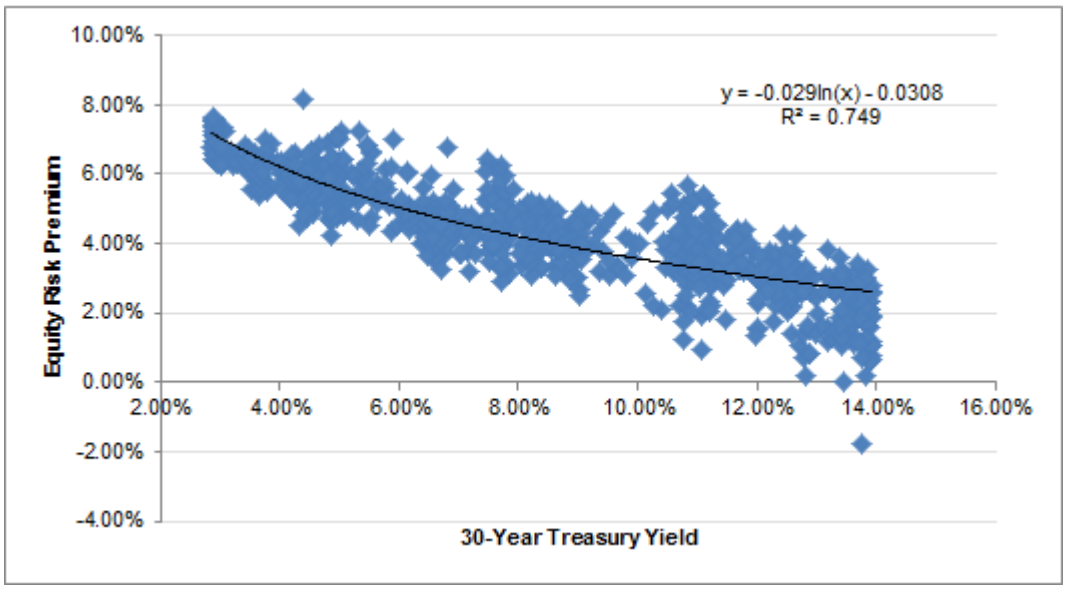
As shown on Charts 1a and 1b (below), the semi-log form is useful when measuring an absolute change in the dependent variable (in this case, the Risk Premium) relative to a proportional change in the independent variable (the 30-year Treasury yield).

Chart 1a: Electric Utility Equity Risk Premium



.

Chart 1b: Natural Gas Utility Equity Risk Premium



As Chart 1a and 1b illustrate, over time there has been a statistically significant, negative relationship between the 30-year Treasury yield and the Equity Risk Premium. As such, simply applying the long-term average Equity Risk Premium of 4.43 percent (for electric utilities) or 4.45 percent (for natural gas utilities; *see* Attachment No. RBH-7) would significantly understate the Cost of Equity. Assuming the 2015 projected 30-year Treasury yield of 4.30 percent, for example, the simple average Equity Risk Premium would suggest an ROE of 8.73 percent for electric utilities and 8.75 percent for natural gas utilities. That, of course, is well below any reasonable estimate of the Company's Cost of Equity.

As with the CAPM analysis discussed earlier, I considered projected 30-year Treasury yields over the coming two years in my Risk Premium analysis. Based on the regression coefficients in Chart 1a, the implied ROE for electric utilities is between 10.22 percent and 10.39 percent (*see* Attachment No. RBH-7). Over the same time period, based on the regression coefficients in Chart 1b,

the implied ROE is between 10.14 percent and 10.30 percent for natural gas utilities (*see* Attachment No. RBH-7).

Table 11a: Summary of Electric Utility Bond Yield Plus Risk Premium Results

29-Year Treasury, One-Year Forward	10.22%
Blue Chip 2014 Consensus 30-Year Treasury	10.29%
Blue Chip 2015 Consensus 30-Year Treasury	10.39%

Table 11b: Summary of Natural Gas Utility Bond Yield Plus Risk Premium Results

29-Year Treasury, One-Year Forward	10.14%
Blue Chip 2014 Consensus 30-Year Treasury	10.20%
Blue Chip 2015 Consensus 30-Year Treasury	10.30%

V. BUSINESS RISKS

Q. DO THE MEAN DCF AND CAPM RESULTS FOR THE PROXY GROUP PROVIDE AN APPROPRIATE ESTIMATE OF THE COST OF EQUITY FOR PUBLIC SERVICE?

A. No, the mean results do not necessarily provide an appropriate estimate of the Company's Cost of Equity. In my view, it is important to consider the risks associated with the Company's need to fund substantial future capital expenditures when determining where the Company's Cost of Equity falls within the range of results.

A. Planned Capital Expenditures

Q. PLEASE BRIEFLY SUMMARIZE THE COMPANY'S CAPITAL INVESTMENT PLANS.

A. As discussed by Company witness Ms. Schell in her Direct Testimony, the Company's five-year capital expenditures budget over the 2014-2018 timeframe totals approximately $4.0 billion. During the near term period 2014 and 2015, Public Service will spend close to $2.0 billion, of which over 60.00 percent will be invested in the electric utility. Thus, the Company is continuing to make substantial investments in its utility operations that will require it to access the capital markets during the period of time that rates established in this proceeding will be in effect.

Q. DO CREDIT RATING AGENCIES RECOGNIZE RISKS ASSOCIATED WITH INCREASED CAPITAL EXPENDITURES?

A. Yes, they do. From a credit perspective, the additional pressure on cash flows associated with high levels of capital expenditures exerts corresponding pressure on credit metrics and, therefore, credit ratings. S&P has noted that:

> The real challenge for the industry is the combination of slow growth and huge investment needs. We believe that for the remainder of 2012 and beyond, state regulation will continue to be the single most influential factor for the sector's credit quality. Cost increases, construction projects, environmental compliance, and other public policy directives, together with lackluster growth, will necessitate continued reliance on rate relief requests.[49]

The rating agency views noted above also are consistent with certain observations discussed earlier in my Direct Testimony: (1) the benefits of maintaining a strong financial profile are significant when capital access is required, and become particularly acute during periods of market instability; and (2) the Commission's decision in this proceeding will have a direct bearing on the Company's credit profile, and its ability to access the capital needed to fund its investments.

Q. HAVE YOU ALSO CONSIDERED THE RELATIONSHIP BETWEEN CAPITAL EXPENDITURES AND THE EARNED RETURN ON COMMON EQUITY?

A. Yes, I have. The "DuPont" formula decomposes the Return on Common Equity into three components: (1) the Profit Margin (net income/revenues); (2) Asset

[49] S&P RatingsDirect, *Industry Economic and Ratings Outlook: U.S. Regulated Utilities Will Likely Stay On A Stable Trajectory For The Rest Of 2012 And Into 2013*, dated July 17, 2012, at 6.

Turnover (revenues/net plant); and (3) the Equity Multiplier (net plant/equity).[50] As Attachment No. RBH-9 demonstrates, based on the Value Line Electric universe, the Asset Turnover rate declined from 2003 through 2013 (the historical period covered by Value Line) and is expected to decline further through Value Line's 2017 – 2019 projection period. Over that same period, according to Value Line data, average Net Plant is expected to experience a cumulative increase of approximately 202.25 percent. Since, as noted above, the utility industry is going through a period of increased capital investment, the lag between the addition of net plant and revenue generated by those investments dilute the Asset Turnover ratio, at least in the near term.

In order to gain an additional perspective on the relationship between plant additions and Asset Turnover, I performed a regression analysis in which the annual change in the Asset Turnover rate was the dependent variable, and the annual change in Net Plant was the independent variable. As shown in Attachment No. RBH-9, that analysis indicates a statistically significant negative relationship between the two variables, such that as annual net plant increases, the Asset Turnover ratio decreases. This, in turn, suggests that an increase in capital expenditures also negatively affects the Return on Common Equity, causing greater financial stress to the utility. To the extent investors value a company based on earnings and cash flow, this additional financial strain is a key concern.

[50] The DuPont formula is commonly used by financial analysts to monitor specific operational and financial drivers of a company's earned ROE. The formula expands the calculation of the ROE into the product of three financial metrics: Profit Margin, Asset Turnover and the Equity Multiplier. That is, ROE = (earnings / revenue) x (revenue / assets) x (assets / equity).

Q. DOES THE COMPANY'S PROPOSAL TO EARN A CURRENT RETURN ON CWIP ASSOCIATED WITH THE PROJECTS IT IS CONSTRUCTING UNDER THE CLEAN AIR CLEAN JOBS ACT ("CACJA") AND ITS PROPOSED CACJA RIDER ENTIRELY MITIGATE THE FINANCIAL RISKS ASSOCIATED WITH THE COMPANY'S PLANNED CAPITAL EXPENDITURES RELATIVE TO THE PROXY GROUP?

A. I do not believe so. Company witness Ms. Jackson points out that the expected revenue deficiency in 2015 is largely due to additional investments. Although the Test Year includes forecast additions to rate base and provides for earnings on a large portion of CWIP, the Company expects to continue to make substantial utility investment in addition to its CACJA investment beyond 2015. Moreover, given the Company's decision in this proceeding to maintain non-labor O&M expense at 2013 levels for purposes of setting rates, there is a risk that those costs may actually escalate. If this were to occur, or if productivity increases at a rate less than expected, internally generated cash would be diluted, putting additional pressure on the need to obtain external capital. As a consequence, while it is true that the Company's proposals respecting the investment in CACJA provides a degree of certainty with respect to revenue generation, there is not a similar degree of certainty regarding cash flow generation. Importantly, both debt and equity investors are primarily concerned with cash flow, as opposed to revenue.

Q. WHAT ARE YOUR CONCLUSIONS REGARDING THE EFFECT OF THE COMPANY'S CAPITAL SPENDING PLANS ON ITS RISK PROFILE?

A. It is clear that the Company's capital expenditure program is significant. The financial community recognizes the additional risks associated with substantial capital expenditures and the financing, regulatory and operating risks associated with those plans. Although the Company's proposals regarding recovery of its investment in CACJA projects ensures more current recovery with respect to those investments, the Company still must have access to the capital markets on a timely basis and at reasonable cost rates in order to fund those investments. It remains my view, therefore, that the Company's capital investment plan remains an important consideration in establishing its ROE and overall rate of return.

VI. CAPITAL MARKET ENVIRONMENT

Q. DO ECONOMIC CONDITIONS INFLUENCE THE REQUIRED COST OF CAPITAL AND REQUIRED RETURN ON COMMON EQUITY?

A. Yes. As discussed in Section V, the models used to estimate the Cost of Equity are meant to reflect, and therefore are influenced by, current and expected capital market conditions. The required cost of capital, including the ROE, is a function of prevailing and expected economic and capital market conditions. As to the analyses used to estimate the Cost of Equity, it is important to assess the reasonableness of any financial model's results in the context of observable market data. To the extent that certain ROE estimates are incompatible with such data or inconsistent with basic financial principles, it is appropriate to consider whether alternative estimation techniques are likely to provide more meaningful and reliable results.

Q. PLEASE SUMMARIZE THE EFFECT OF RECENT FEDERAL RESERVE POLICIES ON INTEREST RATES AND THE COST OF CAPITAL.

A. Beginning in 2008, the Federal Reserve proceeded on a steady path of initiatives intended to lower long-term Treasury yields.[51] The Federal Reserve policy actions "were designed to put downward pressure on longer-term interest rates by having the Federal Reserve take onto its balance sheet some of the duration and prepayment risks that would otherwise have been borne by private

[51] *See*, for example, Federal Reserve Press Release dated June 19, 2013.

investors."[52] Under that policy, "Securities held outright" on the Federal Reserve's balance sheet increased from approximately $489 billion at the beginning of October 2008 to $3.97 trillion by April 15, 2014. To put that increase in context, the securities held by the Federal Reserve represented approximately 3.29 percent of GDP at the end of September 2008, and had risen to approximately 23.18 percent of GDP in April 2014.

Q. IS THE FEDERAL RESERVE EXPECTED TO MAINTAIN THESE POLICIES?

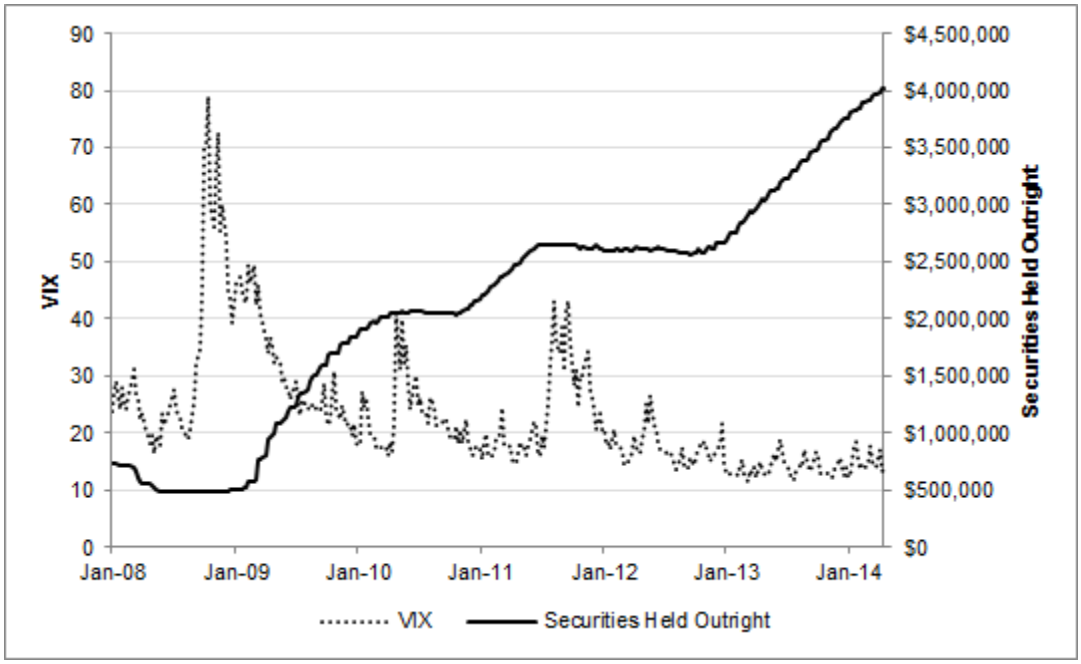
A. Although the Federal Reserve began "tapering" its asset purchases in December 2013, the future pace of such reductions is not on a "preset course". Nonetheless, the increase in interest rates since May 2013 suggests that investors have continued to focus on the timing and extent of further reductions in monthly asset purchases by the Federal Reserve. As such, significant uncertainties remain in the market today and going forward. The uncertainty surrounding the timing of the Federal Reserve's future policy decisions, including the unwinding of stimulus programs, represents a risk to investors that, in my view, should be reflected in the Company's authorized ROE.

Just as market intervention by the Federal Reserve has reduced interest rates, it also has had the effect of reducing market volatility. As shown in Chart 2 below, each time the Federal Reserve began to purchase bonds (as evidenced by the increase in "Securities Held Outright" on its balance sheet), volatility subsequently declined. In fact, in September 2012, when the Federal Reserve began to purchase long-term securities at a pace of $85 billion per month,

[52] Federal Reserve Bank of New York, Domestic Open Market Operations During 2012, April 2013, at 29.

volatility (as measured by the CBOE Volatility Index, known as the "VIX") fell, and has since remained in a relatively narrow range. The reason is quite straight-forward: Investors became confident that the Federal Reserve would intervene if markets were to become unstable.

Chart 2: VIX and Federal Reserve Asset Purchases



The important analytical issue is whether we can infer that risk aversion among investors is at a historically low level, implying a Cost of Equity that is well below recently authorized returns. Given the negative correlation between the expansion of the Federal Reserve's balance sheet and the VIX, it is difficult to conclude that fundamental risk aversion and investor return requirements have fallen, as the Constant Growth DCF model suggests. If it were the case that investors believe that volatility will remain at low levels (that is, that market risk and uncertainty will remain low), it is not clear why they would decrease their

return requirements for defensive sectors such as utilities. In that respect, it appears that the Constant Growth DCF results are at odds with market conditions. As such (and as discussed earlier in my Direct Testimony), I believe that it is appropriate to give more weight to methods such as the Multi-Stage form of the DCF model, and to consider risk premium based approaches such as the CAPM and Bond Yield Plus Risk Premium method.

Q. WHAT CONCLUSIONS DO YOU DRAW FROM YOUR ANALYSES OF CAPITAL MARKET CONDITIONS?

A. From an analytical perspective, it is important that the inputs and assumptions used to arrive at an ROE recommendation, including assessments of capital market conditions, are consistent with the recommendation itself. While I appreciate that all analyses require an element of judgment, the application of that judgment must be made in the context of the quantitative and qualitative information available to the analyst and the capital market environment in which the analyses were undertaken. Because the application of financial models and interpretation of their results often is the subject of differences among analysts in regulatory proceedings, I believe that it is important to review and consider a variety of data points; doing so enables us to put in context both quantitative analyses and the associated recommendations.

VII. CAPITAL STRUCTURE

Q. WHAT IS THE COMPANY'S PROPOSED CAPITAL STRUCTURE?

A. As provided in the Direct Testimony of Company witness Ms. Schell, Public Service's proposed capital structure for the Test Year consists of 56.00 percent common equity and 44.00 percent long-term debt.[53]

Q. HOW DOES THE CAPITAL STRUCTURE AFFECT THE COST OF EQUITY?

A. The capital structure relates to a Company's financial risk, which represents the risk that a company may not have adequate cash flows to meet its financial obligations, and is a function of the percentage of debt (or financial leverage) in its capital structure. In that regard, as the percentage of debt in the capital structure increases, so do the fixed obligations for the repayment of that debt. To the extent earnings and cash flows become less certain, the ability to meet those fixed obligations also becomes less certain. That is, as the degree of financial leverage increases, the risk of financial distress (*i.e.*, financial risk) also increases; it is for that reason that (in general) credit quality deteriorates and the cost of debt increases with higher levels of debt in the capital structure

From the perspective of equity investors, who do not have the contractual claim on cash flows given to bondholders, increased levels of debt tend to concentrate the uncertainty of the cash flows remaining after debt payments are made. Because their risk is increased, equity investors also require higher returns as the use of debt increases. Since the capital structure can affect the

[53] *See* Direct Testimony of Mary P. Schell, at Pg. 20.

subject company's overall level of risk,[54] it is an important consideration in establishing a just and reasonable rate of return.

Q. WILL THE CAPITAL STRUCTURE AND ROE AUTHORIZED IN THIS PROCEEDING AFFECT THE COMPANY'S ABILITY TO ACCESS CAPITAL AT REASONABLE RATES?

A. Yes, I believe so. The level of earnings authorized by the Commission directly affects the Company's ability to finance its operations with internally-generated funds. As noted earlier in my Direct Testimony, internally-generated funds are a very important source of investment funding for all utilities, including the Company. For that reason, credit rating agencies and bond investors expect the Company to be able to generate a substantial portion of its investment funding from operating cash flow in order to maintain its current credit rating.

Similarly, it also is important to realize that because a utility's investment horizon is very long, investors require the assurance of a sufficiently high ROE to satisfy the long-run financing requirements of the assets the Company places into service. Those assurances, which often are measured by the relationship between internally-generated cash flows and debt (or interest expense), depend quite heavily on the capital structure. As a consequence, both the ROE and capital structure are very important to both debt and equity investors.

[54] *See* Roger A. Morin, *New Regulatory Finance*, Public Utility Reports, Inc., 2006, at 45-46.

Q. IS THERE SUPPORT FOR THE PROPOSITION THAT THE CAPITAL STRUCTURE IS A KEY CONSIDERATION IN ESTABLISHING AN APPROPRIATE RETURN ON EQUITY?

A. Yes. The United States Supreme Court and various utility commissions have long recognized the role of capital structure in the development of a just and reasonable rate of return for a regulated utility. In particular, a utility's leverage, or debt ratio, has been explicitly recognized as an important element in determining a just and reasonable rate of return:

> Although the determination of whether bonds or stocks should be issued is for management, the matter of debt ratio is not exclusively within its province. Debt ratio substantially affects the manner and cost of obtaining new capital. It is therefore an important factor in the rate of return and must necessarily be considered by and come within the authority of the body charged by law with the duty of fixing a just and reasonable rate of return.[55]

Perhaps the ultimate authority for balancing the issues of cost and financial integrity is the Supreme Court's decision in *Hope* that was cited and applied by the U.S. Court of Appeals (D.C. Circuit) in 1977:

> The rate-making process under the Act, i.e., the fixing of "just and reasonable" rates, involves a balancing of the investor and the consumer interests." 320 U.S. at 603, 64 S. Ct. at 288. The equity investor's stake is made less secure as the company's debt rises, but the consumer rate-payer's burden is alleviated.[56]

Consequently, the principles of fairness and reasonableness with respect to the allowed rate of return and capital structure are considered at both the federal and state levels.

---

[55] *New England Telephone & Telegraph Co. v. State, 98 N.H. 211, 220, 97 A.2d 213, 220 (1953), citing New England Tel. & Tel. Co. v. Department of Pub. Util., (Mass.) 327 Mass. 81, 97 N.E. 2d 509, 514; Petitions of New England Tel. & Tel. Co. 116 Vt. 480, 80 A2d 671.*

[56] *Communications Satellite Corp. v. FCC, 198 U.S. App. D.C. 60, 63-64611 F.2d 883.*

Q. PLEASE DISCUSS YOUR ANALYSIS OF THE CAPITAL STRUCTURES OF THE PROXY GROUP COMPANIES.

A. I calculated the mean of the proportions of common equity and long-term debt over the most recent eight quarters for the utility operating companies held by each of the companies in the Combination and Electric utility proxy groups. As shown in Table 12 (below), (*see* also Attachment No. RBH-10), the mean of the combination proxy group actual capital structures is 51.27 percent common equity and 48.73 percent long-term debt. The common equity ratios range from 40.25 percent to 56.71 percent, not including the effect of off-balance sheet transactions that may be imputed as debt and affect the investment community's perception of a company's leverage.[57] Based on that review, it is apparent that the Company's proposed capital structure is generally consistent with the proxy group.

[57] The standard deviation of the mean results is approximately 5.57 percent.

Table 12: Combination Proxy Group Average Capital Structure 2012Q1-2013Q4

Company	Ticker	Common Equity Ratio	Long-Term Debt Ratio
Alliant Energy Corp.	LNT	52.60%	47.40%
Black Hills Corp.	BKH	56.71%	43.29%
CMS Energy Corp.	CMS	52.16%	47.84%
DTE Energy Co.	DTE	48.21%	51.79%
SCANA Corp.	SCG	40.25%	59.75%
TECO Energy Inc.	TE	53.27%	46.73%
Vectren Corporation	VVC	55.66%	44.34%
Average		**51.27%**	**48.73%**
Median		**52.60%**	**47.40%**

Q. DID YOU ANALYZE THE CAPITAL STRUCTURES OF THE ELECTRIC PROXY GROUP AS WELL?

A. Yes, I did. Consistent with my analysis of the combination proxy group, I calculated the mean common equity and long-term debt ratios for the utility operating companies held by the electric proxy group companies. Table 13 (below) shows that the Company's proposed equity ratio of 56.00 percent for regulatory purposes is within the electric proxy group's range of 47.64 percent to 61.02 percent.

Table 13: Electric Proxy Group Average Capital Structure 2012Q1-2013Q4

Company	Ticker	Common Equity Ratio	Long-Term Debt Ratio
American Electric Power Co., Inc.	AEP	52.85%	47.15%
Cleco Corporation	CNL	50.43%	49.57%
Duke Energy Corporation	DUK	55.64%	44.36%
Empire District Electric Company	EDE	52.65%	47.35%
Great Plains Energy Inc.	GXP	52.89%	47.11%
Hawaiian Electric Industries, Inc.	HE	56.51%	43.49%
IDACORP, Inc.	IDA	50.97%	49.03%
NextEra Energy, Inc.	NEE	60.26%	39.74%
Otter Tail Corporation	OTTR	51.77%	48.23%
Pinnacle West Capital Corp.	PNW	56.06%	43.94%
PNM Resources, Inc.	PNM	50.26%	49.74%
Portland General Electric Co.	POR	50.15%	49.85%
Southern Company	SO	47.64%	52.36%
Westar Energy, Inc.	WR	61.02%	38.98%
Average		**53.51%**	**46.49%**
Median		**52.75%**	**47.25%**

Q. WHAT IS THE BASIS FOR USING AVERAGE CAPITAL COMPONENTS RATHER THAN A POINT-IN-TIME MEASUREMENT?

A. Measuring the capital components at a particular point in time can skew the capital structure by the specific circumstances of a particular period. Therefore, it is more appropriate to normalize the relative relationship between the capital components over a period of time.

Q. WHAT IS YOUR CONCLUSION REGARDING AN APPROPRIATE CAPITAL STRUCTURE FOR PUBLIC SERVICE?

A. Public Service's proposed common equity ratio of 56.00 percent for regulatory purposes is within the range of historical average common equity ratios for the both the combination proxy group and the electric utility proxy group, even without taking into consideration Public Service's off-balance sheet debt. When the Company's off-balance sheet debt is considered, the resulting economic capital structure is also consistent with the requirements for maintaining its current credit rating. It is my view, therefore, that the proposed capital structure is reasonable and appropriate for ratemaking purposes.

VIII. CONCLUSION AND RECOMMENDATION

Q. WHAT IS YOUR CONCLUSION REGARDING THE COMPANY'S COST OF EQUITY?

A. I believe that a rate of return on common equity in the range of 10.20 percent to 10.70 percent represents the range of equity investors' required rate of return for investment in utilities similar to Public Service in today's capital markets. Within that range, an ROE of 10.35 percent is reasonable and appropriate. My recommendation also takes into consideration the Company's risk profile relative to the proxy group analytical results with respect to the risks associated with the Company's need to fund substantial future capital expenditures. As such, a rate of return on common equity of in the range of 10.20 percent to 10.70 percent reasonably represents the return required to invest in a company with a risk profile comparable to Public Service. Tables 14a, 14b, and 14c summarize my analytical results.

Table 14a: Summary of DCF Results[58]

	Mean Low	***Mean***	***Mean High***
Combination Proxy Group Mean			
30-Day Average	8.28%	9.55%	11.28%
90-Day Average	8.42%	9.70%	11.42%
180-Day Average	8.49%	9.76%	11.49%
Combination Proxy Group Multi-Stage DCF Results			
30-Day Average	9.60%	9.92%	10.43%
90-Day Average	9.75%	10.08%	10.61%
180-Day Average	9.81%	10.15%	10.69%
Electric Proxy Group Mean			
30-Day Average	8.18%	9.51%	10.87%
90-Day Average	8.29%	9.62%	10.98%
180-Day Average	8.37%	9.70%	11.06%
Electric Proxy Group Multi-Stage DCF Results			
30-Day Average	9.72%	10.10%	10.55%
90-Day Average	9.84%	10.23%	10.69%
180-Day Average	9.92%	10.32%	10.79%
Combined Proxy Group Mean			
30-Day Average	8.21%	9.52%	11.01%
90-Day Average	8.34%	9.65%	11.13%
180-Day Average	8.41%	9.72%	11.20%
Combined Proxy Group Multi-Stage DCF Results			
30-Day Average	9.68%	10.04%	10.51%
90-Day Average	9.81%	10.18%	10.66%
180-Day Average	9.88%	10.26%	10.76%

[58] Includes flotation cost adjustment.

Table 14b: Summary of CAPM Results

	Bloomberg Derived Market Risk Premium	***Value Line Derived Market Risk Premium***
Combination Proxy Group - Twelve-month Calculated Beta Coefficient		
29-Year Treasury, One-Year Forward	12.07%	10.77%
Blue Chip 2014 Consensus 30-Year Treasury	12.32%	11.02%
Blue Chip 2015 Consensus 30-Year Treasury	12.65%	11.35%
Combination Proxy Group - Bloomberg Beta Coefficient		
29-Year Treasury, One-Year Forward	11.31%	10.13%
Blue Chip 2014 Consensus 30-Year Treasury	11.55%	10.37%
Blue Chip 2015 Consensus 30-Year Treasury	11.89%	10.71%
Combination Proxy Group - Value Line Beta Coefficient		
29-Year Treasury, One-Year Forward	12.12%	10.81%
Blue Chip 2014 Consensus 30-Year Treasury	12.36%	11.06%
Blue Chip 2015 Consensus 30-Year Treasury	12.70%	11.39%
Electric Proxy Group - Twelve-month Calculated Beta Coefficient		
29-Year Treasury, One-Year Forward	12.06%	10.76%
Blue Chip 2014 Consensus 30-Year Treasury	12.31%	11.01%
Blue Chip 2015 Consensus 30-Year Treasury	12.64%	11.35%
Electric Proxy Group - Bloomberg Beta Coefficient		
29-Year Treasury, One-Year Forward	11.70%	10.46%
Blue Chip 2014 Consensus 30-Year Treasury	11.94%	10.70%
Blue Chip 2015 Consensus 30-Year Treasury	12.28%	11.04%
Electric Proxy Group - Value Line Beta Coefficient		
29-Year Treasury, One-Year Forward	11.71%	10.47%
Blue Chip 2014 Consensus 30-Year Treasury	11.96%	10.71%
Blue Chip 2015 Consensus 30-Year Treasury	12.29%	11.05%

	Bloomberg Derived Market Risk Premium	***Value Line Derived Market Risk Premium***
Combined Proxy Group - Twelve-month Calculated Beta Coefficient		
29-Year Treasury, One-Year Forward	12.07%	10.77%
Blue Chip 2014 Consensus 30-Year Treasury	12.31%	11.01%
Blue Chip 2015 Consensus 30-Year Treasury	12.65%	11.35%
Combined Proxy Group - Bloomberg Beta Coefficient		
29-Year Treasury, One-Year Forward	11.57%	10.35%
Blue Chip 2014 Consensus 30-Year Treasury	11.81%	10.59%
Blue Chip 2015 Consensus 30-Year Treasury	12.15%	10.93%
Combined Proxy Group - Value Line Beta Coefficient		
29-Year Treasury, One-Year Forward	11.85%	10.58%
Blue Chip 2014 Consensus 30-Year Treasury	12.09%	10.83%
Blue Chip 2015 Consensus 30-Year Treasury	12.43%	11.16%

Table 14c: Summary of Risk Premium Results

Electric Utility Bond Yield Plus Risk Premium Approach	
29-Year Treasury, One-Year Forward	10.22%
Blue Chip 2014 Consensus 30-Year Treasury	10.29%
Blue Chip 2015 Consensus 30-Year Treasury	10.39%
Natural Gas Utility Bond Yield Plus Risk Premium Approach	
29-Year Treasury, One-Year Forward	10.14%
Blue Chip 2014 Consensus 30-Year Treasury	10.20%
Blue Chip 2015 Consensus 30-Year Treasury	10.30%

Finally, I conclude that the Company's proposed capital structure, which consists of 56.00 percent common equity and 44.00 percent long-term debt is reasonable.

Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?

A. Yes, it does.

Robert B. Hevert, CFA
Managing Partner
Sussex Economic Advisors, LLC

Mr. Hevert is an economic and financial consultant with broad experience in regulated industries. He has an extensive background in the areas of corporate finance, corporate strategic planning, energy market assessment, mergers, and acquisitions, asset-based transactions, feasibility and due diligence analyses, and providing expert testimony in litigated proceedings. Mr. Hevert has significant management experience with both operating and professional services companies.

REPRESENTATIVE PROJECT EXPERIENCE

Litigation Support and Expert Testimony

Provided expert testimony and support of litigation in various regulatory proceedings on a variety of energy and economic issues including: cost of capital for ratemaking purposes; the proposed transfer of power purchase agreements; procurement of residual service electric supply; the legal separation of generation assets; merger-related synergies; assessment of economic damages; and specific financing transactions. Services provided include collaborating with counsel, business and technical staff to develop litigation strategies, preparing and reviewing discovery and briefing materials, preparing presentation materials and participating in technical sessions with regulators and intervenors.

Financial and Economic Advisory Services

Retained by numerous leading energy companies and financial institutions throughout North America to provide services relating to the strategic evaluation, acquisition, sale or development of a variety of regulated and non-regulated enterprises. Specific services have included: developing strategic and financial analyses and managing multi-faceted due diligence reviews of proposed corporate M&A counter-parties; developing, screening and recommending potential M&A transactions and facilitating discussions between senior utility executives regarding transaction strategy and structure; performing valuation analyses and financial due diligence reviews of electric generation projects, retail marketing companies, and wholesale trading entities in support of significant M&A transactions.

Specific divestiture-related services have included advising both buy and sell-side clients in transactions for physical and contractual electric generation resources. Sell-side services have included: development and implementation of key aspects of asset divestiture programs such as marketing, offering memorandum development, development of transaction terms and conditions, bid process management, bid evaluation, negations, and regulatory approval process. Buy-side services have included comprehensive asset screening, selection, valuation and due diligence reviews. Both buy and sell-side services have included the use of sophisticated asset valuation techniques, and the development and delivery of fairness opinions.

Specific corporate finance experience while a Vice President with Bay State Gas included: negotiation, placement and closing of both private and public long-term debt, preferred and common equity; structured and project financing; corporate cash management; financial analysis, planning and forecasting; and various aspects of investor relations.

Regulatory Analysis and Ratemaking

On behalf of electric, natural gas and combination utilities throughout North America, provided services relating to energy industry restructuring including merchant function exit, residual energy supply obligations, and stranded cost assessment and recovery. Specific services provided include: performing strategic review and development of merchant function exit strategies including analysis of provider of last

resort obligations in both electric and gas markets; and developing value optimizing strategies for physical generation assets.

Energy Market Assessment

Retained by numerous leading energy companies and financial institutions nationwide to manage or provide assessments of regional energy markets throughout the U.S. and Canada. Such assessments have included development of electric and natural gas price forecasts, analysis of generation project entry and exit scenarios, assessment of natural gas and electric transmission infrastructure, market structure and regulatory situation analysis, and assessment of competitive position. Market assessment engagements typically have been used as integral elements of business unit or asset-specific strategic plans or valuation analyses.

Resource Procurement, Contracting and Analysis

Assisted various clients in evaluating alternatives for acquiring fuel and power supplies, including the development and negotiation of energy contracts and tolling agreements. Assignments also have included developing generation resource optimization strategies. Provided advice and analyses of transition service power supply contracts in the context of both physical and contractual generation resource divestiture transactions.

Business Strategy and Operations

Retained by numerous leading North American energy companies and financial institutions nationwide to provide services relating to the development of strategic plans and planning processes for both regulated and non-regulated enterprises. Specific services provided include: developing and implementing electric generation strategies and business process redesign initiatives; developing market entry strategies for retail and wholesale businesses including assessment of asset-based marketing and trading strategies; and facilitating executive level strategic planning retreats. As Vice President, of Bay State was responsible for the company's strategic planning and business development processes, played an integral role in developing the company's non-regulated marketing affiliate, EnergyUSA, and managed the company's non-regulated investments, partnerships and strategic alliances.

PROFESSIONAL HISTORY

Sussex Economic Advisors, LLC (2012 – Present)
Managing Partner

Concentric Energy Advisors, Inc. (2002 – 2012)
President

Navigant Consulting, Inc. (1997 – 2001)
Managing Director (2000 – 2001)
Director (1998 – 2000)
Vice President, REED Consulting Group (1997 – 1998)

Bay State Gas Company (now Columbia Gas Company of Massachusetts) (1987 – 1997)
Vice President and Assistant Treasurer

Boston College (1986 – 1987)
Financial Analyst

General Telephone Company of the South (1984 – 1986)
Revenue Requirements Analyst

EDUCATION

M.B.A., University of Massachusetts at Amherst, 1984
B.S., University of Delaware, 1982

DESIGNATIONS AND PROFESSIONAL AFFILIATIONS

Chartered Financial Analyst, 1991
Association for Investment Management and Research
Boston Security Analyst Society

PUBLICATIONS/PRESENTATIONS

Has made numerous presentations throughout the United States and Canada on several topics, including:

- Generation Asset Valuation and the Use of Real Options
- Retail and Wholesale Market Entry Strategies
- The Use Strategic Alliances in Restructured Energy Markets
- Gas Supply and Pipeline Infrastructure in the Northeast Energy Markets
- Nuclear Asset Valuation and the Divestiture Process

AVAILABLE UPON REQUEST

Extensive client and project listings, and specific references.

SPONSOR	DATE	CASE/APPLICANT	DOCKET NO.	SUBJECT
Arizona Corporation Commission				
Southwest Gas Corporation	11/10	Southwest Gas Corporation	Docket No. G-01551A-10-0458	Return on Equity
Arkansas Public Service Commission				
CenterPoint Energy Resources Corp. d/b/a CenterPoint Energy Arkansas Gas	01/07	CenterPoint Energy Resources Corp. d/b/a CenterPoint Energy Arkansas Gas	Docket No. 06-161-U	Return on Equity
California Public Utilities Commission				
Southwest Gas Corporation	12/12	Southwest Gas Corporation	Docket No. A-12-12-024	Return on Equity
Colorado Public Utilities Commission				
Xcel Energy, Inc.	12/12	Public Service Company of Colorado	Docket No. 12AL-1268G	Return on Equity (gas)
Xcel Energy, Inc.	11/11	Public Service Company of Colorado	Docket No. 11AL-947E	Return on Equity (electric)
Xcel Energy, Inc.	12/10	Public Service Company of Colorado	Docket No. 10AL-963G	Return on Equity (electric)
Atmos Energy Corporation	07/09	Atmos Energy Colorado-Kansas Division	Docket No. 09AL-507G	Return on Equity (gas)
Xcel Energy, Inc.	12/06	Public Service Company of Colorado	Docket No. 06S-656G	Return on Equity (gas)
Xcel Energy, Inc.	04/06	Public Service Company of Colorado	Docket No. 06S-234EG	Return on Equity (electric)
Xcel Energy, Inc.	08/05	Public Service Company of Colorado	Docket No. 05S-369ST	Return on Equity (steam)
Xcel Energy, Inc.	05/05	Public Service Company of Colorado	Docket No. 05S-246G	Return on Equity (gas)
Connecticut Public Utilities Regulatory Authority				
Connecticut Light and Power Company	06/14	Connecticut Light and Power Company	Docket No. 14-05--06	Return on Equity

SPONSOR	DATE	CASE/APPLICANT	DOCKET NO.	SUBJECT
Southern Connecticut Gas Company	09/08	Southern Connecticut Gas Company	Docket No. 08-08-17	Return on Equity
Southern Connecticut Gas Company	12/07	Southern Connecticut Gas Company	Docket No. 05-03-17PH02	Return on Equity
Connecticut Natural Gas Corporation	12/07	Connecticut Natural Gas Corporation	Docket No. 06-03-04PH02	Return on Equity
Delaware Public Service Commission				
Delmarva Power & Light Company	03/13	Delmarva Power & Light Company	Case No. 13-115	Return on Equity
Delmarva Power & Light Company	12/12	Delmarva Power & Light Company	Case No. 12-546	Return on Equity
Delmarva Power & Light Company	03/12	Delmarva Power & Light Company	Case No. 11-528	Return on Equity
District of Columbia Public Service Commission				
Potomac Electric Power Company	03/13	Potomac Electric Power Company	Formal Case No. FC1103-2013-E	Return on Equity
Potomac Electric Power Company	07/11	Potomac Electric Power Company	Formal Case No. FC1087	Return on Equity
Federal Energy Regulatory Commission				
Public Service Company of New Mexico	12/12	Public Service Company of New Mexico	Docket No. ER13-685-000	Return on Equity
Public Service Company of New Mexico	10/10	Public Service Company of New Mexico	Docket No. ER11-1915-000	Return on Equity
Portland Natural Gas Transmission System	05/10	Portland Natural Gas Transmission System	Docket No. RP10-729-000	Return on Equity
Florida Gas Transmission Company, LLC	10/09	Florida Gas Transmission Company, LLC	Docket No. RP10-21-000	Return on Equity
Maritimes and Northeast Pipeline, LLC	07/09	Maritimes and Northeast Pipeline, LLC	Docket No. RP09-809-000	Return on Equity
Spectra Energy	02/08	Saltville Gas Storage	Docket No. RP08-257-000	Return on Equity

SPONSOR	DATE	CASE/APPLICANT	DOCKET NO.	SUBJECT
Panhandle Energy Pipelines	08/07	Panhandle Energy Pipelines	Docket No. PL07-2-000	Response to draft policy statement regarding inclusion of MLPs in proxy groups for determination of gas pipeline ROEs
Southwest Gas Storage Company	08/07	Southwest Gas Storage Company	Docket No. RP07-541-000	Return on Equity
Southwest Gas Storage Company	06/07	Southwest Gas Storage Company	Docket No. RP07-34-000	Return on Equity
Sea Robin Pipeline LLC	06/07	Sea Robin Pipeline LLC	Docket No. RP07-513-000	Return on Equity
Transwestern Pipeline Company	09/06	Transwestern Pipeline Company	Docket No. RP06-614-000	Return on Equity
GPU International and Aquila	11/00	GPU International	Docket No. EC01-24-000	Market Power Study
Florida Public Service Commission				
Tampa Electric Company	04/13	Tampa Electric Company	Docket No. 130040-EI	Return on Equity
Georgia Public Service Commission				
Atlanta Gas Light Company	05/10	Atlanta Gas Light Company	Docket No. 31647-U	Return on Equity
Hawaii Public Utilities Commission				
Hawaiian Electric Light Company	08/12	Hawaiian Electric Light Company	Docket No. 2012-0099	Return on Equity
Illinois Commerce Commission				
Liberty Utilities (Midstates Natural Gas) Corp. d/b/a Liberty Utilities	03/14	Liberty Utilities (Midstates Natural Gas) Corp. d/b/a Liberty Utilities	Docket No. 14-0371	Return on Equity
Ameren Illinois Company d/b/a Ameren Illinois	01/13	Ameren Illinois Company d/b/a Ameren Illinois	Docket No. 13-0192	Return on Equity
Ameren Illinois Company d/b/a Ameren Illinois	02/11	Ameren Illinois Company d/b/a Ameren Illinois	Docket No. 11-0279	Return on Equity (electric)
Ameren Illinois Company d/b/a Ameren Illinois	02/11	Ameren Illinois Company d/b/a Ameren Illinois	Docket No. 11-0282	Return on Equity (gas)

SPONSOR	DATE	CASE/APPLICANT	DOCKET NO.	SUBJECT
Indiana Utility Regulatory Commission				
Northern Indiana Public Service Company	05/09	Northern Indiana Public Service Company	Cause No. 43894	
Maine Public Utilities Commission				
Central Maine Power Company	06/11	Central Maine Power Company	Docket No. 2010-327	Response to Bench Analysis provided by Commission Staff relating to the Company's credit and collections processes
Maryland Public Service Commission				
Potomac Electric Power Company	12/13	Potomac Electric Power Company	Case No. 9336	Return on Equity
Delmarva Power & Light Company	03/13	Delmarva Power & Light Company	Case No. 9317	Return on Equity
Potomac Electric Power Company	11/12	Potomac Electric Power Company	Case No. 9311	Return on Equity
Potomac Electric Power Company	12/11	Potomac Electric Power Company	Case No. 9286	Return on Equity
Delmarva Power & Light Company	12/11	Delmarva Power & Light Company	Case No. 9285	Return on Equity
Delmarva Power & Light Company	12/10	Delmarva Power & Light Company	Case No. 9249	Return on Equity
Massachusetts Department of Public Utilities				
Unitil Corporation	07/13	Fitchburg Gas and Electric Light Company	DPU 13-90	Return on Equity
Bay State Gas Company d/b/a Columbia Gas of Massachusetts	04/12	Bay State Gas Company d/b/a Columbia Gas of Massachusetts	DPU 12-25	Capital Cost Recovery
National Grid	08/09	Massachusetts Electric Company d/b/a National Grid	DPU 09-39	Revenue Decoupling and Return on Equity
National Grid	08/09	Massachusetts Electric Company and Nantucket Electric Company d/b/a National Grid	DPU 09-38	Return on Equity – Solar Generation

SPONSOR	DATE	CASE/APPLICANT	DOCKET NO.	SUBJECT
Bay State Gas Company	04/09	Bay State Gas Company	DPU 09-30	Return on Equity
NSTAR Electric	09/04	NSTAR Electric	DTE 04-85	Divestiture of Power Purchase Agreement
NSTAR Electric	08/04	NSTAR Electric	DTE 04-78	Divestiture of Power Purchase Agreement
NSTAR Electric	07/04	NSTAR Electric	DTE 04-68	Divestiture of Power Purchase Agreement
NSTAR Electric	07/04	NSTAR Electric	DTE 04-61	Divestiture of Power Purchase Agreement
NSTAR Electric	06/04	NSTAR Electric	DTE 04-60	Divestiture of Power Purchase Agreement
Unitil Corporation	01/04	Fitchburg Gas and Electric	DTE 03-52	Integrated Resource Plan; Gas Demand Forecast
Bay State Gas Company	01/93	Bay State Gas Company	DPU 93-14	Divestiture of Shelf Registration
Bay State Gas Company	01/91	Bay State Gas Company	DPU 91-25	Divestiture of Shelf Registration
Minnesota Public Utilities Commission				
Xcel Energy, Inc.	11/13	Northern States Power Company	Docket No. E002/GR-13-868	Return on Equity
CenterPoint Energy Resources Corp. d/b/a CenterPoint Energy Minnesota Gas	08/13	CenterPoint Energy Resources Corp. d/b/a CenterPoint Energy Minnesota Gas	Docket No. G-008/GR-13-316	Return on Equity
Xcel Energy, Inc.	11/12	Northern States Power Company	Docket No. E002/GR-12-961	Return on Equity
Otter Tail Power Corporation	04/10	Otter Tail Power Company	Docket No. E-017/GR-10-239	Return on Equity
Minnesota Power a division of ALLETE, Inc.	11/09	Minnesota Power	Docket No. E-015/GR-09-1151	Return on Equity

SPONSOR	DATE	CASE/APPLICANT	DOCKET NO.	SUBJECT
CenterPoint Energy Resources Corp. d/b/a CenterPoint Energy Minnesota Gas	11/08	CenterPoint Energy Minnesota Gas	Docket No. G-008/GR-08-1075	Return on Equity
Otter Tail Power Corporation	10/07	Otter Tail Power Company	Docket No. E-017/GR-07-1178	Return on Equity
Xcel Energy, Inc.	11/05	Northern States Power Company - Minnesota	Docket No. E-002/GR-05-1428	Return on Equity (electric)
Xcel Energy, Inc.	09/04	Northern States Power Company - Minnesota	Docket No. G-002/GR-04-1511	Return on Equity (gas)
CenterPoint Energy Resources Corp.		CenterPoint Energy Minnesota Gas	Docket No. E008/GR-13-316	
Mississippi Public Service Commission				
CenterPoint Energy Resources, Corp. d/b/a CenterPoint Energy Entex and CenterPoint Energy Mississippi Gas	07/09	CenterPoint Energy Mississippi Gas	Docket No. 09-UN-334	Return on Equity
Missouri Public Service Commission				
Union Electric Company d/b/a Ameren Missouri	06/14	Union Electric Company d/b/a Ameren Missouri	Case No. ER-2014-0224	Return on Equity (electric)
Liberty Utilities (Midstates Natural Gas) Corp. d/b/a Liberty Utilities	02/14	Liberty Utilities (Midstates Natural Gas) Corp. d/b/a Liberty Utilities	Case No. GR-2014-0152	Return on Equity
Laclede Gas Company	12/12	Laclede Gas Company	Case No. GR-2013-0171	Return on Equity
Union Electric Company d/b/a Ameren Missouri	02/12	Union Electric Company d/b/a Ameren Missouri	Case No. ER-2012-0166	Return on Equity (electric)
Union Electric Company d/b/a AmerenUE	09/10	Union Electric Company d/b/a AmerenUE	Case No. ER-2011-0028	Return on Equity (electric)
Union Electric Company d/b/a AmerenUE	06/10	Union Electric Company d/b/a AmerenUE	Case No. GR-2010-0363	Return on Equity (gas)

SPONSOR	DATE	CASE/APPLICANT	DOCKET NO.	SUBJECT
Montana Public Service Commission				
Northwestern Corporation	09/12	Northwestern Corporation d/b/a Northwestern Energy	Docket No. D2012.9.94	Return on Equity (gas)
Nevada Public Utilities Commission				
Southwest Gas Corporation	04/12	Southwest Gas Corporation	Docket No. 12-04005	Return on Equity (gas)
Nevada Power Company	06/11	Nevada Power Company	Docket No. 11-06006	Return on Equity (electric)
New Hampshire Public Utilities Commission				
Liberty Utilities d/b/a Granite State Electric Company	03/13	Liberty Utilities d/b/a Granite State Electric Company	Docket No. DE 13-063	Return on Equity
EnergyNorth Natural Gas d/b/a National Grid NH	02/10	EnergyNorth Natural Gas d/b/a National Grid NH	Docket No. DG 10-017	Return on Equity
Unitil Energy Systems, Inc. ("Unitil"), EnergyNorth Natural Gas, Inc. d/b/a National Grid NH, Granite State Electric Company d/b/a National Grid, and Northern Utilities, Inc. – New Hampshire Division	08/08	Unitil Energy Systems, Inc. ("Unitil"), EnergyNorth Natural Gas, Inc. d/b/a National Grid NH, Granite State Electric Company d/b/a National Grid, and Northern Utilities, Inc. – New Hampshire Division	Docket No. DG 07-072	Carrying Charge Rate on Cash Working Capital
New Jersey Board of Public Utilities				
Pepco Holdings, Inc.	04/14	Atlantic City Electric Company	Docket No. ER14030245	Return on Equity
Orange and Rockland Utilities	11/13	Rockland Electric Company	Docket No. ER13111135	Return on Equity
Atlantic City Electric Company	12/12	Atlantic City Electric Company	Docket No. ER12121071	Return on Equity
Atlantic City Electric Company	08/11	Atlantic City Electric Company	Docket No. ER11080469	Return on Equity
Pepco Holdings, Inc.	09/06	Atlantic City Electric Company	Docket No. EM06090638	Divestiture and Valuation of Electric Generating Assets
Pepco Holdings, Inc.	12/05	Atlantic City Electric Company	Docket No. EM05121058	Market Value of Electric Generation Assets; Auction

SPONSOR	DATE	CASE/APPLICANT	DOCKET NO.	SUBJECT
Conectiv	06/03	Atlantic City Electric Company	Docket No. EO03020091	Market Value of Electric Generation Assets; Auction Process
New Mexico Public Regulation Commission				
Southwestern Public Service Company	02/11	Southwestern Public Service Company	Case No. 10-00395-UT	Return on Equity (electric)
Public Service Company of New Mexico	06/10	Public Service Company of New Mexico	Case No. 10-00086-UT	Return on Equity (electric)
Public Service Company of New Mexico	09/08	Public Service Company of New Mexico	Case No. 08-00273-UT	Return on Equity (electric)
Xcel Energy, Inc.	07/07	Southwestern Public Service Company	Case No. 07-00319-UT	Return on Equity (electric)
New York State Public Service Commission				
Consolidated Edison Company of New York, Inc.	01/13	Consolidated Edison Company of New York, Inc.	Case No. 13-E-0030	Return on Equity (electric)
Niagara Mohawk Corporation d/b/a National Grid for Electric Service	04/12	Niagara Mohawk Corporation d/b/a National Grid for Electric Service	Case No. 12-E-0201	Return on Equity (electric)
Niagara Mohawk Corporation d/b/a National Grid for Gas Service	04/12	Niagara Mohawk Corporation d/b/a National Grid for Gas Service	Case No. 12-G-0202	Return on Equity (gas)
Orange and Rockland Utilities, Inc.	07/11	Orange and Rockland Utilities, Inc.	Case No. 11-E-0408	Return on Equity (electric)
Orange and Rockland Utilities, Inc.	07/10	Orange and Rockland Utilities, Inc.	Case No. 10-E-0362	Return on Equity (electric)
Consolidated Edison Company of New York, Inc.	11/09	Consolidated Edison Company of New York, Inc.	Case No. 09-G-0795	Return on Equity (gas)
Consolidated Edison Company of New York, Inc.	11/09	Consolidated Edison Company of New York, Inc.	Case No. 09-S-0794	Return on Equity (steam)

SPONSOR	DATE	CASE/APPLICANT	DOCKET NO.	SUBJECT
Niagara Mohawk Power Corporation	07/01	Niagara Mohawk Power Corporation	Case No. 01-E-1046	Power Purchase and Sale Agreement; Standard Offer Service Agreement
North Carolina Utilities Commission				
Duke Energy Carolinas, LLC	02/13	Duke Energy Carolinas, LLC	Docket No. E-7, Sub 1026	Return on Equity
Carolina Power & Light Company d/b/a Progress Energy Carolinas, Inc.	10/12	Carolina Power & Light Company d/b/a Progress Energy Carolinas, Inc.	Docket No. E-2, Sub 1023	Return on Equity
Virginia Electric and Power Company d/b/a Dominion North Carolina Power	03/12	Virginia Electric and Power Company d/b/a Dominion North Carolina Power	Docket No. E-22, Sub 479	Return on Equity (electric)
Duke Energy Carolinas, LLC	07/11	Duke Energy Carolinas, LLC	Docket No. E-7, Sub 989	Return on Equity (electric)
North Dakota Public Service Commission				
Otter Tail Power Company	11/08	Otter Tail Power Company	Docket No. 08-862	Return on Equity (electric)
Oklahoma Corporation Commission				
Oklahoma Gas & Electric Company	07/11	Oklahoma Gas & Electric Company	Cause No. PUD201100087	Return on Equity
CenterPoint Energy Resources Corp., d/b/a CenterPoint Energy Oklahoma Gas	03/09	CenterPoint Energy Oklahoma Gas	Cause No. PUD200900055	Return on Equity
Pennsylvania Public Utility Commission				
Pike County Light & Power Company	05/14	Pike County Light & Power Company	Docket No. R-2013-2397237	Return on Equity (electric & gas)

SPONSOR	DATE	CASE/APPLICANT	DOCKET NO.	SUBJECT
Veolia Energy Philadelphia, Inc.	12/13	Veolia Energy Philadelphia, Inc.	Docket No. R-2013-2386293	Return on Equity (steam)
Rhode Island Public Utilities Commission				
The Narragansett Electric Company d/b/a National Grid	04/12	The Narragansett Electric Company d/b/a National Grid	Docket No. 4323	Return on Equity (electric & gas)
National Grid RI – Gas	08/08	National Grid RI – Gas	Docket No. 3943	Revenue Decoupling and Return on Equity
South Carolina Public Service Commission				
Duke Energy Carolinas, LLC	03/13	Duke Energy Carolinas, LLC	Docket No. 2013-59-E	Return on Equity
South Carolina Electric & Gas	06/12	South Carolina Electric & Gas	Docket No. 2012-218-E	Return on Equity
Duke Energy Carolinas, LLC	08/11	Duke Energy Carolinas, LLC	Docket No. 2011-271-E	Return on Equity
South Carolina Electric & Gas	03/10	South Carolina Electric & Gas	Docket No. 2009-489-E	Return on Equity
South Dakota Public Utilities Commission				
Otter Tail Power Company	08/10	Otter Tail Power Company	Docket No. EL10-011	Return on Equity (electric)
Northern States Power Company	06/09	South Dakota Division of Northern States Power	Docket No. EL09-009	Return on Equity (electric)
Otter Tail Power Company	10/08	Otter Tail Power Company	Docket No. EL08-030	Return on Equity (electric)
Texas Public Utility Commission				
Sharyland Utilities, L.P.	05/13	Sharyland Utilities, L.P.	Docket No. 41474	Return on Equity
Wind Energy Texas Transmission, LLC	08/12	Wind Energy Texas Transmission, LLC	Docket No. 40606	Return on Equity
Southwestern Electric Power Company	07/12	Southwestern Electric Power Company	Docket No. 40443	Return on Equity
Oncor Electric Delivery Company, LLC	01/11	Oncor Electric Delivery Company, LLC	Docket No. 38929	Return on Equity
Texas-New Mexico Power Company	08/10	Texas-New Mexico Power Company	Docket No. 38480	Return on Equity (electric)

SPONSOR	DATE	CASE/APPLICANT	DOCKET NO.	SUBJECT
CenterPoint Energy Houston Electric LLC	06/10	CenterPoint Energy Houston Electric LLC	Docket No. 38339	Return on Equity
Xcel Energy, Inc.	05/10	Southwestern Public Service Company	Docket No. 38147	Return on Equity (electric)
Texas-New Mexico Power Company	08/08	Texas-New Mexico Power Company	Docket No. 36025	Return on Equity (electric)
Xcel Energy, Inc.	05/06	Southwestern Public Service Company	Docket No. 32766	Return on Equity (electric)
Texas Railroad Commission				
CenterPoint Energy Resources Corp. d/b/a CenterPoint Energy Entex and CenterPoint Energy Texas Gas	07/12	CenterPoint Energy Resources Corp. d/b/a CenterPoint Energy Entex and CenterPoint Energy Texas Gas	GUD 10182	Return on Equity
Atmos Energy Corporation – West Texas Division	06/12	Atmos Energy Corporation – West Texas Division	GUD 10175	Return on Equity
Atmos Energy Corporation – Mid-Texas Division	06/12	Atmos Energy Corporation – Mid-Texas Division	GUD 10171	Return on Equity
CenterPoint Energy Resources Corp. d/b/a CenterPoint Energy Entex and CenterPoint Energy Texas Gas	12/10	CenterPoint Energy Resources Corp. d/b/a CenterPoint Energy Entex and CenterPoint Energy Texas Gas	GUD 10038	Return on Equity
Atmos Pipeline - Texas	09/10	Atmos Pipeline - Texas	GUD 10000	Return on Equity
CenterPoint Energy Resources Corp. d/b/a CenterPoint Energy Entex and CenterPoint Energy Texas Gas	07/09	CenterPoint Energy Resources Corp. d/b/a CenterPoint Energy Entex and CenterPoint Energy Texas Gas	GUD 9902	Return on Equity

SPONSOR	DATE	CASE/APPLICANT	DOCKET NO.	SUBJECT
CenterPoint Energy Resources Corp. d/b/a CenterPoint Energy Texas Gas	03/08	CenterPoint Energy Resources Corp. d/b/a CenterPoint Energy Texas Gas	GUD 9791	Return on Equity
Utah Public Service Commission				
Questar Gas Company	12/07	Questar Gas Company	Docket No. 07-057-13	Return on Equity
Vermont Public Service Board				
Central Vermont Public Service Corporation; Green Mountain Power	02/12	Central Vermont Public Service Corporation; Green Mountain Power	Docket No. 7770	Merger Policy
Central Vermont Public Service Corporation	12/10	Central Vermont Public Service Corporation	Docket No. 7627	Return on Equity (electric)
Green Mountain Power	04/06	Green Mountain Power	Docket Nos. 7175 and 7176	Return on Equity (electric)
Vermont Gas Systems, Inc.	12/05	Vermont Gas Systems	Docket Nos. 7109 and 7160	Return on Equity (gas)
Virginia State Corporation Commission				
Virginia Electric and Power Company	03/13	Virginia Electric and Power Company	Case No. PUE-2013-00020	Return on Equity
Virginia Natural Gas, Inc.	02/11	Virginia Natural Gas, Inc.	Case No. PUE-2010-00142	Capital Structure
Columbia Gas Of Virginia, Inc.	06/06	Columbia Gas Of Virginia, Inc.	Case No. PUE-2005-00098	Merger Synergies
Dominion Resources	10/01	Virginia Electric and Power Company	Case No. PUE000584	Corporate Structure and Electric Generation Strategy

Constant Growth Discounted Cash Flow Model - Combination Proxy Group
30 Day Average Stock Price

Company	Ticker	[1] Annualized Dividend	[2] Average Stock Price	[3] Dividend Yield	[4] Expected Dividend Yield	[5] Zacks Earnings Growth	[6] First Call Earnings Growth	[7] Value Line Earnings Growth	[9] Average Earnings Growth	[10] Low ROE	[11] Mean ROE	[12] High ROE
Alliant Energy Corporation	LNT	$2.04	$55.37	3.68%	3.79%	5.50%	5.40%	6.00%	5.63%	9.18%	9.42%	9.79%
Black Hills Corporation	BKH	$1.56	$57.15	2.73%	2.84%	4.00%	7.00%	13.00%	8.00%	6.78%	10.84%	15.91%
CMS Energy Corporation	CMS	$1.08	$28.83	3.75%	3.86%	6.00%	6.24%	6.50%	6.25%	9.86%	10.11%	10.37%
DTE Energy Company	DTE	$2.62	$72.84	3.60%	3.70%	6.20%	5.21%	5.00%	5.47%	8.69%	9.17%	9.91%
SCANA Corporation	SCG	$2.10	$50.42	4.17%	4.26%	4.50%	4.60%	5.00%	4.70%	8.76%	8.96%	9.27%
TECO Energy, Inc.	TE	$0.88	$16.94	5.20%	5.26%	5.00%	0.17%	2.00%	2.39%	5.37%	7.65%	10.33%
Vectren Corporation	VVC	$1.44	$38.47	3.74%	3.85%	4.70%	4.50%	8.50%	5.90%	8.33%	9.75%	12.40%
Mean				3.84%	3.94%	5.13%	4.73%	6.57%	5.48%	8.14%	9.41%	11.14%
Median				3.74%	3.85%	5.00%	5.21%	6.00%	5.63%	8.69%	9.42%	10.33%
									Flotation Cost Adjustment	0.14%	0.14%	0.14%
									Proxy Group Mean - Including Flotation Costs	8.28%	9.55%	11.28%
									Proxy Group Median - Including Flotation Costs	8.83%	9.56%	10.46%

Notes:
[1] Source: Bloomberg Professional
[2] Source: Bloomberg Professional, equals indicated number of trading day average as of April 15, 2014
[3] Equals [1] / [2]
[4] Equals [3] x (1 + 0.5 x [8])
[5] Source: Zacks
[6] Source: Yahoo! Finance
[7] Source: Value Line
[8] Equals Average([5], [6], [7])
[9] Equals [3] x (1 + 0.5 x Minimum([5], [6], [7])) + Minimum([5], [6], [7])
[10] Equals [4] + [8]
[11] Equals [3] x (1 + 0.5 x Maximum([5], [6], [7])) + Maximum([5], [6], [7])

Constant Growth Discounted Cash Flow Model - Combination Proxy Group
90 Day Average Stock Price

Company	Ticker	[1] Annualized Dividend	[2] Average Stock Price	[3] Dividend Yield	[4] Expected Dividend Yield	[5] Zacks Earnings Growth	[6] First Call Earnings Growth	[7] Value Line Earnings Growth	[9] Average Earnings Growth	[10] Low ROE	[11] Mean ROE	[12] High ROE
Alliant Energy Corporation	LNT	$2.04	$53.06	3.84%	3.95%	5.50%	5.40%	6.00%	5.63%	9.35%	9.59%	9.96%
Black Hills Corporation	BKH	$1.56	$54.72	2.85%	2.96%	4.00%	7.00%	13.00%	8.00%	6.91%	10.96%	16.04%
CMS Energy Corporation	CMS	$1.08	$27.68	3.90%	4.02%	6.00%	6.24%	6.50%	6.25%	10.02%	10.27%	10.53%
DTE Energy Company	DTE	$2.62	$69.33	3.78%	3.88%	6.20%	5.21%	5.00%	5.47%	8.87%	9.35%	10.10%
SCANA Corporation	SCG	$2.10	$48.30	4.35%	4.45%	4.50%	4.60%	5.00%	4.70%	8.95%	9.15%	9.46%
TECO Energy, Inc.	TE	$0.88	$16.85	5.22%	5.28%	5.00%	0.17%	2.00%	2.39%	5.40%	7.67%	10.35%
Vectren Corporation	VVC	$1.44	$36.84	3.91%	4.02%	4.70%	4.50%	8.50%	5.90%	8.50%	9.92%	12.58%
Mean				3.98%	4.08%	5.13%	4.73%	6.57%	5.48%	8.28%	9.56%	11.29%
Median				3.90%	4.02%	5.00%	5.21%	6.00%	5.63%	8.87%	9.59%	10.35%
									Flotation Cost Adjustment	0.14%	0.14%	0.14%
									Proxy Group Mean - Including Flotation Costs	8.42%	9.70%	11.42%
									Proxy Group Median - Including Flotation Costs	9.01%	9.72%	10.49%

Notes:
[1] Source: Bloomberg Professional
[2] Source: Bloomberg Professional, equals indicated number of trading day average as of April 15, 2014
[3] Equals [1] / [2]
[4] Equals [3] x (1 + 0.5 x [8])
[5] Source: Zacks
[6] Source: Yahoo! Finance
[7] Source: Value Line
[8] Equals Average([5], [6], [7])
[9] Equals [3] x (1 + 0.5 x Minimum([5], [6], [7])) + Minimum([5], [6], [7])
[10] Equals [4] + [8]
[11] Equals [3] x (1 + 0.5 x Maximum([5], [6], [7])) + Maximum([5], [6], [7])

Constant Growth Discounted Cash Flow Model - Combination Proxy Group
180 Day Average Stock Price

Company	Ticker	[1] Annualized Dividend	[2] Average Stock Price	[3] Dividend Yield	[4] Expected Dividend Yield	[5] Zacks Earnings Growth	[6] First Call Earnings Growth	[7] Value Line Earnings Growth	[9] Average Earnings Growth	[10] Low ROE	[11] Mean ROE	[12] High ROE
Alliant Energy Corporation	LNT	$2.04	$52.11	3.92%	4.03%	5.50%	5.40%	6.00%	5.63%	9.42%	9.66%	10.03%
Black Hills Corporation	BKH	$1.56	$52.52	2.97%	3.09%	4.00%	7.00%	13.00%	8.00%	7.03%	11.09%	16.16%
CMS Energy Corporation	CMS	$1.08	$27.33	3.95%	4.07%	6.00%	6.24%	6.50%	6.25%	10.07%	10.32%	10.58%
DTE Energy Company	DTE	$2.62	$68.58	3.82%	3.93%	6.20%	5.21%	5.00%	5.47%	8.92%	9.40%	10.14%
SCANA Corporation	SCG	$2.10	$47.93	4.38%	4.48%	4.50%	4.60%	5.00%	4.70%	8.98%	9.18%	9.49%
TECO Energy, Inc.	TE	$0.88	$16.93	5.20%	5.26%	5.00%	0.17%	2.00%	2.39%	5.37%	7.65%	10.33%
Vectren Corporation	VVC	$1.44	$35.51	4.05%	4.17%	4.70%	4.50%	8.50%	5.90%	8.65%	10.07%	12.73%
Mean				4.04%	4.15%	5.13%	4.73%	6.57%	5.48%	8.35%	9.62%	11.35%
Median				3.95%	4.07%	5.00%	5.21%	6.00%	5.63%	8.92%	9.66%	10.33%
									Flotation Cost Adjustment	0.14%	0.14%	0.14%
									Proxy Group Mean - Including Flotation Costs	8.49%	9.76%	11.49%
									Proxy Group Median - Including Flotation Costs	9.05%	9.80%	10.47%

Notes:
[1] Source: Bloomberg Professional
[2] Source: Bloomberg Professional, equals indicated number of trading day average as of April 15, 2014
[3] Equals [1] / [2]
[4] Equals [3] x (1 + 0.5 x [8])
[5] Source: Zacks
[6] Source: Yahoo! Finance
[7] Source: Value Line
[8] Equals Average([5], [6], [7])
[9] Equals [3] x (1 + 0.5 x Minimum([5], [6], [7])) + Minimum([5], [6], [7])
[10] Equals [4] + [8]
[11] Equals [3] x (1 + 0.5 x Maximum([5], [6], [7])) + Maximum([5], [6], [7])

Constant Growth Discounted Cash Flow Model - Electric Proxy Group
30 Day Average Stock Price

Company	Ticker	[1] Annualized Dividend	[2] Average Stock Price	[3] Dividend Yield	[4] Expected Dividend Yield	[5] Zacks Earnings Growth	[6] First Call Earnings Growth	[7] Value Line Earnings Growth	[9] Average Earnings Growth	[10] Low ROE	[11] Mean ROE	[12] High ROE
American Electric Power Company, Inc.	AEP	$2.00	$50.06	3.99%	4.08%	4.30%	4.23%	4.50%	4.34%	8.31%	8.42%	8.58%
Cleco Corp.	CNL	$1.45	$49.74	2.92%	3.01%	8.00%	8.00%	4.50%	6.83%	7.48%	9.85%	11.03%
Duke Energy Corporation	DUK	$3.12	$70.52	4.42%	4.51%	3.90%	3.92%	4.00%	3.94%	8.41%	8.45%	8.51%
Empire District Electric Company	EDE	$1.02	$23.98	4.25%	4.32%	3.00%	3.00%	4.00%	3.33%	7.32%	7.66%	8.34%
Great Plains Energy Inc.	GXP	$0.92	$26.49	3.47%	3.57%	5.20%	5.17%	6.00%	5.46%	8.73%	9.02%	9.58%
Hawaiian Electric Industries, Inc.	HE	$1.24	$24.77	5.01%	5.12%	6.00%	4.20%	3.50%	4.57%	8.59%	9.69%	11.16%
IDACORP, Inc.	IDA	$1.72	$55.09	3.12%	3.17%	4.00%	4.00%	2.00%	3.33%	5.15%	6.51%	7.18%
NextEra Energy, Inc.	NEE	$2.90	$94.11	3.08%	3.17%	6.10%	6.48%	4.50%	5.69%	7.65%	8.86%	9.66%
Otter Tail Corporation	OTTR	$1.21	$30.39	3.98%	4.19%	NA	6.00%	15.00%	10.50%	10.10%	14.69%	19.28%
Pinnacle West Capital Corporation	PNW	$2.27	$54.61	4.16%	4.24%	4.60%	4.13%	4.00%	4.24%	8.24%	8.49%	8.85%
PNM Resources, Inc.	PNM	$0.74	$26.78	2.76%	2.89%	7.60%	8.20%	12.00%	9.27%	10.47%	12.16%	14.93%
Portland General Electric Company	POR	$1.10	$32.09	3.43%	3.55%	6.60%	10.89%	3.50%	7.00%	6.99%	10.54%	14.50%
Southern Company	SO	$2.03	$43.39	4.68%	4.76%	3.70%	3.55%	3.50%	3.58%	8.26%	8.35%	8.47%
Westar Energy, Inc.	WR	$1.40	$34.64	4.04%	4.13%	4.30%	2.80%	6.00%	4.37%	6.90%	8.50%	10.16%
Mean				3.81%	3.91%	5.18%	5.33%	5.50%	5.46%	8.04%	9.37%	10.73%
Median				3.99%	4.11%	4.60%	4.22%	4.25%	4.47%	8.25%	8.68%	9.62%
									Flotation Cost Adjustment	0.14%	0.14%	0.14%
									Proxy Group Mean - Including Flotation Costs	8.18%	9.51%	10.87%
									Proxy Group Median - Including Flotation Costs	8.39%	8.82%	9.76%

Notes:
[1] Source: Bloomberg Professional
[2] Source: Bloomberg Professional, equals indicated number of trading day average as of April 15, 2014
[3] Equals [1] / [2]
[4] Equals [3] x (1 + 0.5 x [8])
[5] Source: Zacks
[6] Source: Yahoo! Finance
[7] Source: Value Line
[8] Equals Average([5], [6], [7])
[9] Equals [3] x (1 + 0.5 x Minimum([5], [6], [7])) + Minimum([5], [6], [7])
[10] Equals [4] + [8]
[11] Equals [3] x (1 + 0.5 x Maximum([5], [6], [7])) + Maximum([5], [6], [7])

Constant Growth Discounted Cash Flow Model - Electric Proxy Group
90 Day Average Stock Price

Company	Ticker	[1] Annualized Dividend	[2] Average Stock Price	[3] Dividend Yield	[4] Expected Dividend Yield	[5] Zacks Earnings Growth	[6] First Call Earnings Growth	[7] Value Line Earnings Growth	[9] Average Earnings Growth	[10] Low ROE	[11] Mean ROE	[12] High ROE
American Electric Power Company, Inc.	AEP	$2.00	$48.45	4.13%	4.22%	4.30%	4.23%	4.50%	4.34%	8.45%	8.56%	8.72%
Cleco Corp.	CNL	$1.45	$48.20	3.01%	3.11%	8.00%	8.00%	4.50%	6.83%	7.58%	9.94%	11.13%
Duke Energy Corporation	DUK	$3.12	$69.79	4.47%	4.56%	3.90%	3.92%	4.00%	3.94%	8.46%	8.50%	8.56%
Empire District Electric Company	EDE	$1.02	$23.23	4.39%	4.46%	3.00%	3.00%	4.00%	3.33%	7.46%	7.80%	8.48%
Great Plains Energy Inc.	GXP	$0.92	$25.25	3.64%	3.74%	5.20%	5.17%	6.00%	5.46%	8.91%	9.20%	9.75%
Hawaiian Electric Industries, Inc.	HE	$1.24	$25.45	4.87%	4.98%	6.00%	4.20%	3.50%	4.57%	8.46%	9.55%	11.02%
IDACORP, Inc.	IDA	$1.72	$53.48	3.22%	3.27%	4.00%	4.00%	2.00%	3.33%	5.25%	6.60%	7.28%
NextEra Energy, Inc.	NEE	$2.90	$89.87	3.23%	3.32%	6.10%	6.48%	4.50%	5.69%	7.80%	9.01%	9.81%
Otter Tail Corporation	OTTR	$1.21	$29.45	4.11%	4.32%	NA	6.00%	15.00%	10.50%	10.23%	14.82%	19.42%
Pinnacle West Capital Corporation	PNW	$2.27	$53.65	4.23%	4.32%	4.60%	4.13%	4.00%	4.24%	8.32%	8.56%	8.93%
PNM Resources, Inc.	PNM	$0.74	$25.19	2.94%	3.07%	7.60%	8.20%	12.00%	9.27%	10.65%	12.34%	15.11%
Portland General Electric Company	POR	$1.10	$30.80	3.57%	3.70%	6.60%	10.89%	3.50%	7.00%	7.13%	10.69%	14.66%
Southern Company	SO	$2.03	$41.96	4.84%	4.92%	3.70%	3.55%	3.50%	3.58%	8.42%	8.51%	8.63%
Westar Energy, Inc.	WR	$1.40	$33.44	4.19%	4.28%	4.30%	2.80%	6.00%	4.37%	7.05%	8.64%	10.31%
Mean				3.92%	4.02%	5.18%	5.33%	5.50%	5.46%	8.15%	9.48%	10.84%
Median				4.12%	4.25%	4.60%	4.22%	4.25%	4.47%	8.37%	8.83%	9.78%
									Flotation Cost Adjustment	0.14%	0.14%	0.14%
									Proxy Group Mean - Including Flotation Costs	8.29%	9.62%	10.98%
									Proxy Group Median - Including Flotation Costs	8.51%	8.97%	9.92%

Notes:
[1] Source: Bloomberg Professional
[2] Source: Bloomberg Professional, equals indicated number of trading day average as of April 15, 2014
[3] Equals [1] / [2]
[4] Equals [3] x (1 + 0.5 x [8])
[5] Source: Zacks
[6] Source: Yahoo! Finance
[7] Source: Value Line
[8] Equals Average([5], [6], [7])
[9] Equals [3] x (1 + 0.5 x Minimum([5], [6], [7])) + Minimum([5], [6], [7])
[10] Equals [4] + [8]
[11] Equals [3] x (1 + 0.5 x Maximum([5], [6], [7])) + Maximum([5], [6], [7])

Constant Growth Discounted Cash Flow Model - Electric Proxy Group
180 Day Average Stock Price

Company	Ticker	[1] Annualized Dividend	[2] Average Stock Price	[3] Dividend Yield	[4] Expected Dividend Yield	[5] Zacks Earnings Growth	[6] First Call Earnings Growth	[7] Value Line Earnings Growth	[9] Average Earnings Growth	[10] Low ROE	[11] Mean ROE	[12] High ROE
American Electric Power Company, Inc.	AEP	$2.00	$46.69	4.28%	4.38%	4.30%	4.23%	4.50%	4.34%	8.60%	8.72%	8.88%
Cleco Corp.	CNL	$1.45	$47.08	3.08%	3.19%	8.00%	8.00%	4.50%	6.83%	7.65%	10.02%	11.20%
Duke Energy Corporation	DUK	$3.12	$69.39	4.50%	4.58%	3.90%	3.92%	4.00%	3.94%	8.48%	8.52%	8.59%
Empire District Electric Company	EDE	$1.02	$22.71	4.49%	4.57%	3.00%	3.00%	4.00%	3.33%	7.56%	7.90%	8.58%
Great Plains Energy Inc.	GXP	$0.92	$24.16	3.81%	3.91%	5.20%	5.17%	6.00%	5.46%	9.08%	9.37%	9.92%
Hawaiian Electric Industries, Inc.	HE	$1.24	$25.58	4.85%	4.96%	6.00%	4.20%	3.50%	4.57%	8.43%	9.52%	10.99%
IDACORP, Inc.	IDA	$1.72	$51.73	3.32%	3.38%	4.00%	4.00%	2.00%	3.33%	5.36%	6.71%	7.39%
NextEra Energy, Inc.	NEE	$2.90	$86.64	3.35%	3.44%	6.10%	6.48%	4.50%	5.69%	7.92%	9.14%	9.94%
Otter Tail Corporation	OTTR	$1.21	$29.04	4.17%	4.39%	NA	6.00%	15.00%	10.50%	10.29%	14.89%	19.48%
Pinnacle West Capital Corporation	PNW	$2.27	$54.52	4.16%	4.25%	4.60%	4.13%	4.00%	4.24%	8.25%	8.50%	8.86%
PNM Resources, Inc.	PNM	$0.74	$24.08	3.07%	3.22%	7.60%	8.20%	12.00%	9.27%	10.79%	12.48%	15.26%
Portland General Electric Company	POR	$1.10	$29.98	3.67%	3.80%	6.60%	10.89%	3.50%	7.00%	7.23%	10.79%	14.76%
Southern Company	SO	$2.03	$41.92	4.84%	4.93%	3.70%	3.55%	3.50%	3.58%	8.43%	8.51%	8.63%
Westar Energy, Inc.	WR	$1.40	$32.49	4.31%	4.40%	4.30%	2.80%	6.00%	4.37%	7.17%	8.77%	10.44%
Mean				3.99%	4.10%	5.18%	5.33%	5.50%	5.46%	8.23%	9.56%	10.92%
Median				4.17%	4.31%	4.60%	4.22%	4.25%	4.47%	8.34%	8.95%	9.93%
									Flotation Cost Adjustment	0.14%	0.14%	0.14%
									Proxy Group Mean - Including Flotation Costs	8.37%	9.70%	11.06%
									Proxy Group Median - Including Flotation Costs	8.48%	9.09%	10.07%

Notes:
[1] Source: Bloomberg Professional
[2] Source: Bloomberg Professional, equals indicated number of trading day average as of April 15, 2014
[3] Equals [1] / [2]
[4] Equals [3] x (1 + 0.5 x [8])
[5] Source: Zacks
[6] Source: Yahoo! Finance
[7] Source: Value Line
[8] Equals Average([5], [6], [7])
[9] Equals [3] x (1 + 0.5 x Minimum([5], [6], [7])) + Minimum([5], [6], [7])
[10] Equals [4] + [8]
[11] Equals [3] x (1 + 0.5 x Maximum([5], [6], [7])) + Maximum([5], [6], [7])

Constant Growth Discounted Cash Flow Model - Combined Proxy Group
30 Day Average Stock Price

Company	Ticker	[1] Annualized Dividend	[2] Average Stock Price	[3] Dividend Yield	[4] Expected Dividend Yield	[5] Zacks Earnings Growth	[6] First Call Earnings Growth	[7] Value Line Earnings Growth	[9] Average Earnings Growth	[10] Low ROE	[11] Mean ROE	[12] High ROE
American Electric Power Company, Inc.	AEP	$2.00	$50.06	3.99%	4.08%	4.30%	4.23%	4.50%	4.34%	8.31%	8.42%	8.58%
Cleco Corp.	CNL	$1.45	$49.74	2.92%	3.01%	8.00%	8.00%	4.50%	6.83%	7.48%	9.85%	11.03%
Duke Energy Corporation	DUK	$3.12	$70.52	4.42%	4.51%	3.90%	3.92%	4.00%	3.94%	8.41%	8.45%	8.51%
Empire District Electric Company	EDE	$1.02	$23.98	4.25%	4.32%	3.00%	3.00%	4.00%	3.33%	7.32%	7.66%	8.34%
Great Plains Energy Inc.	GXP	$0.92	$26.49	3.47%	3.57%	5.20%	5.17%	6.00%	5.46%	8.73%	9.02%	9.58%
Hawaiian Electric Industries, Inc.	HE	$1.24	$24.77	5.01%	5.12%	6.00%	4.20%	3.50%	4.57%	8.59%	9.69%	11.16%
IDACORP, Inc.	IDA	$1.72	$55.09	3.12%	3.17%	4.00%	4.00%	2.00%	3.33%	5.15%	6.51%	7.18%
NextEra Energy, Inc.	NEE	$2.90	$94.11	3.08%	3.17%	6.10%	6.48%	4.50%	5.69%	7.65%	8.86%	9.66%
Otter Tail Corporation	OTTR	$1.21	$30.39	3.98%	4.19%	NA	6.00%	15.00%	10.50%	10.10%	14.69%	19.28%
Pinnacle West Capital Corporation	PNW	$2.27	$54.61	4.16%	4.24%	4.60%	4.13%	4.00%	4.24%	8.24%	8.49%	8.85%
PNM Resources, Inc.	PNM	$0.74	$26.78	2.76%	2.89%	7.60%	8.20%	12.00%	9.27%	10.47%	12.16%	14.93%
Portland General Electric Company	POR	$1.10	$32.09	3.43%	3.55%	6.60%	10.89%	3.50%	7.00%	6.99%	10.54%	14.50%
Southern Company	SO	$2.03	$43.39	4.68%	4.76%	3.70%	3.55%	3.50%	3.58%	8.26%	8.35%	8.47%
Westar Energy, Inc.	WR	$1.40	$34.64	4.04%	4.13%	4.30%	2.80%	6.00%	4.37%	6.90%	8.50%	10.16%
Alliant Energy Corporation	LNT	$2.04	$55.37	3.68%	3.79%	5.50%	5.40%	6.00%	5.63%	9.18%	9.42%	9.79%
Black Hills Corporation	BKH	$1.56	$57.15	2.73%	2.84%	4.00%	7.00%	13.00%	8.00%	6.78%	10.84%	15.91%
CMS Energy Corporation	CMS	$1.08	$28.83	3.75%	3.86%	6.00%	6.24%	6.50%	6.25%	9.86%	10.11%	10.37%
DTE Energy Company	DTE	$2.62	$72.84	3.60%	3.70%	6.20%	5.21%	5.00%	5.47%	8.69%	9.17%	9.91%
SCANA Corporation	SCG	$2.10	$50.42	4.17%	4.26%	4.50%	4.60%	5.00%	4.70%	8.76%	8.96%	9.27%
TECO Energy, Inc.	TE	$0.88	$16.94	5.20%	5.26%	5.00%	0.17%	2.00%	2.39%	5.37%	7.65%	10.33%
Vectren Corporation	VVC	$1.44	$38.47	3.74%	3.85%	4.70%	4.50%	8.50%	5.90%	8.33%	9.75%	12.40%
Mean				3.82%	3.92%	5.16%	5.13%	5.86%	5.47%	8.07%	9.39%	10.87%
Median				3.75%	3.86%	4.85%	4.60%	4.50%	5.46%	8.31%	9.02%	9.91%
									Flotation Cost Adjustment	0.14%	0.14%	0.14%
									Proxy Group Mean - Including Flotation Costs	8.21%	9.52%	11.01%
									Proxy Group Median - Including Flotation Costs	8.45%	9.16%	10.05%

Notes:
[1] Source: Bloomberg Professional
[2] Source: Bloomberg Professional, equals indicated number of trading day average as of April 15, 2014
[3] Equals [1] / [2]
[4] Equals [3] x (1 + 0.5 x [8])
[5] Source: Zacks
[6] Source: Yahoo! Finance
[7] Source: Value Line
[8] Equals Average([5], [6], [7])
[9] Equals [3] x (1 + 0.5 x Minimum([5], [6], [7])) + Minimum([5], [6], [7])
[10] Equals [4] + [8]
[11] Equals [3] x (1 + 0.5 x Maximum([5], [6], [7])) + Maximum([5], [6], [7])

Constant Growth Discounted Cash Flow Model - Combined Proxy Group
90 Day Average Stock Price

Company	Ticker	[1] Annualized Dividend	[2] Average Stock Price	[3] Dividend Yield	[4] Expected Dividend Yield	[5] Zacks Earnings Growth	[6] First Call Earnings Growth	[7] Value Line Earnings Growth	[9] Average Earnings Growth	[10] Low ROE	[11] Mean ROE	[12] High ROE
American Electric Power Company, Inc.	AEP	$2.00	$48.45	4.13%	4.22%	4.30%	4.23%	4.50%	4.34%	8.45%	8.56%	8.72%
Cleco Corp.	CNL	$1.45	$48.20	3.01%	3.11%	8.00%	8.00%	4.50%	6.83%	7.58%	9.94%	11.13%
Duke Energy Corporation	DUK	$3.12	$69.79	4.47%	4.56%	3.90%	3.92%	4.00%	3.94%	8.46%	8.50%	8.56%
Empire District Electric Company	EDE	$1.02	$23.23	4.39%	4.46%	3.00%	3.00%	4.00%	3.33%	7.46%	7.80%	8.48%
Great Plains Energy Inc.	GXP	$0.92	$25.25	3.64%	3.74%	5.20%	5.17%	6.00%	5.46%	8.91%	9.20%	9.75%
Hawaiian Electric Industries, Inc.	HE	$1.24	$25.45	4.87%	4.98%	6.00%	4.20%	3.50%	4.57%	8.46%	9.55%	11.02%
IDACORP, Inc.	IDA	$1.72	$53.48	3.22%	3.27%	4.00%	4.00%	2.00%	3.33%	5.25%	6.60%	7.28%
NextEra Energy, Inc.	NEE	$2.90	$89.87	3.23%	3.32%	6.10%	6.48%	4.50%	5.69%	7.80%	9.01%	9.81%
Otter Tail Corporation	OTTR	$1.21	$29.45	4.11%	4.32%	NA	6.00%	15.00%	10.50%	10.23%	14.82%	19.42%
Pinnacle West Capital Corporation	PNW	$2.27	$53.65	4.23%	4.32%	4.60%	4.13%	4.00%	4.24%	8.32%	8.56%	8.93%
PNM Resources, Inc.	PNM	$0.74	$25.19	2.94%	3.07%	7.60%	8.20%	12.00%	9.27%	10.65%	12.34%	15.11%
Portland General Electric Company	POR	$1.10	$30.80	3.57%	3.70%	6.60%	10.89%	3.50%	7.00%	7.13%	10.69%	14.66%
Southern Company	SO	$2.03	$41.96	4.84%	4.92%	3.70%	3.55%	3.50%	3.58%	8.42%	8.51%	8.63%
Westar Energy, Inc.	WR	$1.40	$33.44	4.19%	4.28%	4.30%	2.80%	6.00%	4.37%	7.05%	8.64%	10.31%
Alliant Energy Corporation	LNT	$2.04	$53.06	3.84%	3.95%	5.50%	5.40%	6.00%	5.63%	9.35%	9.59%	9.96%
Black Hills Corporation	BKH	$1.56	$54.72	2.85%	2.96%	4.00%	7.00%	13.00%	8.00%	6.91%	10.96%	16.04%
CMS Energy Corporation	CMS	$1.08	$27.68	3.90%	4.02%	6.00%	6.24%	6.50%	6.25%	10.02%	10.27%	10.53%
DTE Energy Company	DTE	$2.62	$69.33	3.78%	3.88%	6.20%	5.21%	5.00%	5.47%	8.87%	9.35%	10.10%
SCANA Corporation	SCG	$2.10	$48.30	4.35%	4.45%	4.50%	4.60%	5.00%	4.70%	8.95%	9.15%	9.46%
TECO Energy, Inc.	TE	$0.88	$16.85	5.22%	5.28%	5.00%	0.17%	2.00%	2.39%	5.40%	7.67%	10.35%
Vectren Corporation	VVC	$1.44	$36.84	3.91%	4.02%	4.70%	4.50%	8.50%	5.90%	8.50%	9.92%	12.58%
Mean				3.94%	4.04%	5.16%	5.13%	5.86%	5.47%	8.20%	9.51%	10.99%
Median				3.91%	4.02%	4.85%	4.60%	4.50%	5.46%	8.45%	9.20%	10.10%
									Flotation Cost Adjustment	0.14%	0.14%	0.14%
									Proxy Group Mean - Including Flotation Costs	8.34%	9.65%	11.13%
									Proxy Group Median - Including Flotation Costs	8.58%	9.34%	10.23%

Notes:
[1] Source: Bloomberg Professional
[2] Source: Bloomberg Professional, equals indicated number of trading day average as of April 15, 2014
[3] Equals [1] / [2]
[4] Equals [3] x (1 + 0.5 x [8])
[5] Source: Zacks
[6] Source: Yahoo! Finance
[7] Source: Value Line
[8] Equals Average([5], [6], [7])
[9] Equals [3] x (1 + 0.5 x Minimum([5], [6], [7])) + Minimum([5], [6], [7])
[10] Equals [4] + [8]
[11] Equals [3] x (1 + 0.5 x Maximum([5], [6], [7])) + Maximum([5], [6], [7])

Constant Growth Discounted Cash Flow Model - Combined Proxy Group
180 Day Average Stock Price

Company	Ticker	[1] Annualized Dividend	[2] Average Stock Price	[3] Dividend Yield	[4] Expected Dividend Yield	[5] Zacks Earnings Growth	[6] First Call Earnings Growth	[7] Value Line Earnings Growth	[9] Average Earnings Growth	[10] Low ROE	[11] Mean ROE	[12] High ROE
American Electric Power Company, Inc.	AEP	$2.00	$46.69	4.28%	4.38%	4.30%	4.23%	4.50%	4.34%	8.60%	8.72%	8.88%
Cleco Corp.	CNL	$1.45	$47.08	3.08%	3.19%	8.00%	8.00%	4.50%	6.83%	7.65%	10.02%	11.20%
Duke Energy Corporation	DUK	$3.12	$69.39	4.50%	4.58%	3.90%	3.92%	4.00%	3.94%	8.48%	8.52%	8.59%
Empire District Electric Company	EDE	$1.02	$22.71	4.49%	4.57%	3.00%	3.00%	4.00%	3.33%	7.56%	7.90%	8.58%
Great Plains Energy Inc.	GXP	$0.92	$24.16	3.81%	3.91%	5.20%	5.17%	6.00%	5.46%	9.08%	9.37%	9.92%
Hawaiian Electric Industries, Inc.	HE	$1.24	$25.58	4.85%	4.96%	6.00%	4.20%	3.50%	4.57%	8.43%	9.52%	10.99%
IDACORP, Inc.	IDA	$1.72	$51.73	3.32%	3.38%	4.00%	4.00%	2.00%	3.33%	5.36%	6.71%	7.39%
NextEra Energy, Inc.	NEE	$2.90	$86.64	3.35%	3.44%	6.10%	6.48%	4.50%	5.69%	7.92%	9.14%	9.94%
Otter Tail Corporation	OTTR	$1.21	$29.04	4.17%	4.39%	NA	6.00%	15.00%	10.50%	10.29%	14.89%	19.48%
Pinnacle West Capital Corporation	PNW	$2.27	$54.52	4.16%	4.25%	4.60%	4.13%	4.00%	4.24%	8.25%	8.50%	8.86%
PNM Resources, Inc.	PNM	$0.74	$24.08	3.07%	3.22%	7.60%	8.20%	12.00%	9.27%	10.79%	12.48%	15.26%
Portland General Electric Company	POR	$1.10	$29.98	3.67%	3.80%	6.60%	10.89%	3.50%	7.00%	7.23%	10.79%	14.76%
Southern Company	SO	$2.03	$41.92	4.84%	4.93%	3.70%	3.55%	3.50%	3.58%	8.43%	8.51%	8.63%
Westar Energy, Inc.	WR	$1.40	$32.49	4.31%	4.40%	4.30%	2.80%	6.00%	4.37%	7.17%	8.77%	10.44%
Alliant Energy Corporation	LNT	$2.04	$52.11	3.92%	4.03%	5.50%	5.40%	6.00%	5.63%	9.42%	9.66%	10.03%
Black Hills Corporation	BKH	$1.56	$52.52	2.97%	3.09%	4.00%	7.00%	13.00%	8.00%	7.03%	11.09%	16.16%
CMS Energy Corporation	CMS	$1.08	$27.33	3.95%	4.07%	6.00%	6.24%	6.50%	6.25%	10.07%	10.32%	10.58%
DTE Energy Company	DTE	$2.62	$68.58	3.82%	3.93%	6.20%	5.21%	5.00%	5.47%	8.92%	9.40%	10.14%
SCANA Corporation	SCG	$2.10	$47.93	4.38%	4.48%	4.50%	4.60%	5.00%	4.70%	8.98%	9.18%	9.49%
TECO Energy, Inc.	TE	$0.88	$16.93	5.20%	5.26%	5.00%	0.17%	2.00%	2.39%	5.37%	7.65%	10.33%
Vectren Corporation	VVC	$1.44	$35.51	4.05%	4.17%	4.70%	4.50%	8.50%	5.90%	8.65%	10.07%	12.73%
Mean				4.01%	4.12%	5.16%	5.13%	5.86%	5.47%	8.27%	9.58%	11.07%
Median				4.05%	4.17%	4.85%	4.60%	4.50%	5.46%	8.43%	9.37%	10.14%
									Flotation Cost Adjustment	0.14%	0.14%	0.14%
									Proxy Group Mean - Including Flotation Costs	8.41%	9.72%	11.20%
									Proxy Group Median - Including Flotation Costs	8.57%	9.51%	10.28%

Notes:
[1] Source: Bloomberg Professional
[2] Source: Bloomberg Professional, equals indicated number of trading day average as of April 15, 2014
[3] Equals [1] / [2]
[4] Equals [3] x (1 + 0.5 x [8])
[5] Source: Zacks
[6] Source: Yahoo! Finance
[7] Source: Value Line
[8] Equals Average([5], [6], [7])
[9] Equals [3] x (1 + 0.5 x Minimum([5], [6], [7])) + Minimum([5], [6], [7])
[10] Equals [4] + [8]
[11] Equals [3] x (1 + 0.5 x Maximum([5], [6], [7])) + Maximum([5], [6], [7])

Multi-Stage Growth Discounted Cash Flow Model - Combination Proxy Group
30 Day Average Stock Price
Average EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term		Payout Ratio		Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	Average	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
Alliant Energy Corporation	LNT	$55.37	5.50%	5.40%	6.00%	5.63%	5.70%	64.00%	58.00%	67.05%	($0.00)	9.95%	16.67	2.92
Black H lls Corporation	BKH	$57.15	4.00%	7.00%	13.00%	8.00%	5.70%	55.00%	54.00%	67.05%	($0.00)	8.84%	22.61	3.96
CMS Energy Corporation	CMS	$28.83	6.00%	6.24%	6.50%	6.25%	5.70%	60.00%	60.00%	67.05%	($0.00)	9.99%	16.52	2.90
DTE Energy Company	DTE	$72.84	6.20%	5.21%	5.00%	5.47%	5.70%	67.00%	61.00%	67.05%	($0.00)	9.81%	17.27	3.03
SCANA Corporation	SCG	$50.42	4.50%	4.60%	5.00%	4.70%	5.70%	59.00%	53.00%	67.05%	($0.00)	10.12%	16.03	2.81
TECO Energy, Inc.	TE	$16.94	5.00%	0.17%	2.00%	2.39%	5.70%	97.00%	71.00%	67.05%	($0.00)	10.09%	16.16	2.83
Vectren Corporation	VVC	$38.47	4.70%	4.50%	8.50%	5.90%	5.70%	86.00%	53.00%	67.05%	($0.00)	9.69%	17.78	3.12

	DCF Result	Flotation Cost	DCF Result - w/ Flotation Cost
Mean	9.79%	0.14%	9.92%
Max	10.12%	0.14%	10.26%
Min	8.84%	0.14%	8.98%

Projected Annual Earnings per Share

		[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]	[30]
Company	Ticker	2012	2013	2014	2015	2016	2017	2018	**2019**	2020	2021	2022	2023	**2024**	2025	2026	2027	2028
Alliant Energy Corporation	LNT	$3.05	$3.22	$3.40	$3.60	$3.80	$4.01	$4.24	$4.48	$4.73	$5.00	$5.28	$5.58	$5.90	$6.24	$6.59	$6.97	$7.37
Black H lls Corporation	BKH	$1.97	$2.13	$2.30	$2.48	$2.68	$2.89	$3.13	$3.36	$3.61	$3.85	$4.10	$4.35	$4.60	$4.87	$5.14	$5.44	$5.75
CMS Energy Corporation	CMS	$1.53	$1.63	$1.73	$1.84	$1.95	$2.07	$2.20	$2.34	$2.48	$2.63	$2.78	$2.94	$3.11	$3.29	$3.47	$3.67	$3.88
DTE Energy Company	DTE	$3.88	$4.09	$4.32	$4.55	$4.80	$5.06	$5.34	$5.64	$5.95	$6.28	$6.63	$7.01	$7.41	$7.83	$8.28	$8.75	$9.25
SCANA Corporation	SCG	$3.15	$3.30	$3.45	$3.62	$3.79	$3.96	$4.15	$4.35	$4.57	$4.81	$5.07	$5.35	$5.65	$5.97	$6.32	$6.68	$7.06
TECO Energy, Inc.	TE	$1.14	$1.17	$1.20	$1.22	$1.25	$1.28	$1.31	$1.35	$1.40	$1.46	$1.52	$1.60	$1.69	$1.79	$1.89	$2.00	$2.11
Vectren Corporation	VVC	$1.94	$2.05	$2.18	$2.30	$2.44	$2.58	$2.74	$2.90	$3.07	$3.24	$3.43	$3.63	$3.83	$4.05	$4.28	$4.53	$4.79

Projected Annual Dividend Payout Ratio

			[31]	[32]	[33]	[34]	[35]	[36]	[37]	[38]	[39]	[40]	[41]	[42]	[43]	[44]	[45]	[46]
Company	Ticker		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Alliant Energy Corporation	LNT		64.00%	62.50%	61.00%	59.50%	58.00%	59.29%	60.58%	61.88%	63.17%	64.46%	65.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Black H lls Corporation	BKH		55.00%	54.75%	54.50%	54.25%	54.00%	55.86%	57.73%	59.59%	61.45%	63.32%	65.18%	67.05%	67.05%	67.05%	67.05%	67.05%
CMS Energy Corporation	CMS		60.00%	60.00%	60.00%	60.00%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
DTE Energy Company	DTE		67.00%	65.50%	64.00%	62.50%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
SCANA Corporation	SCG		59.00%	57.50%	56.00%	54.50%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%
TECO Energy, Inc.	TE		97.00%	90.50%	84.00%	77.50%	71.00%	70.44%	69.87%	69.31%	68.74%	68.18%	67.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Vectren Corporation	VVC		86.00%	77.75%	69.50%	61.25%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual Cash Flows

			[47]	[48]	[49]	[50]	[51]	[52]	[53]	[54]	[55]	[56]	[57]	[58]	[59]	[60]	[61]	[62]	[63]
Company	Ticker		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Terminal Value
Alliant Energy Corporation	LNT		$2.06	$2.13	$2.19	$2.26	$2.33	$2.51	$2.71	$2.93	$3.16	$3.40	$3.67	$3.96	$4.18	$4.42	$4.67	$4.94	$122.85
Black H lls Corporation	BKH		$1.17	$1.26	$1.35	$1.45	$1.56	$1.75	$1.94	$2.15	$2.37	$2.60	$2.84	$3.09	$3.26	$3.45	$3.64	$3.85	$129.93
CMS Energy Corporation	CMS		$0.98	$1.04	$1.10	$1.17	$1.24	$1.34	$1.45	$1.56	$1.68	$1.81	$1.94	$2.08	$2.20	$2.33	$2.46	$2.60	$64.13
DTE Energy Company	DTE		$2.74	$2.83	$2.91	$3.00	$3.09	$3.30	$3.53	$3.78	$4.05	$4.33	$4.64	$4.97	$5.25	$5.55	$5.87	$6.20	$159.74
SCANA Corporation	SCG		$1.95	$1.99	$2.02	$2.06	$2.10	$2.28	$2.48	$2.70	$2.93	$3.19	$3.48	$3.79	$4.01	$4.23	$4.48	$4.73	$113.15
TECO Energy, Inc.	TE		$1.13	$1.08	$1.03	$0.97	$0.91	$0.93	$0.94	$0.97	$1.00	$1.04	$1.08	$1.14	$1.20	$1.27	$1.34	$1.42	$34.15
Vectren Corporation	VVC		$1.77	$1.69	$1.60	$1.49	$1.37	$1.51	$1.65	$1.81	$1.98	$2.16	$2.36	$2.57	$2.72	$2.87	$3.04	$3.21	$85.14

Projected Annual Data
Investor Cash Flows

		[64]	[65]	[66]	[67]	[68]	[69]	[70]	[71]	[72]	[73]	[74]	[75]	[76]	[77]	[78]	[79]	[80]
Company	Ticker	Initial Outflow	4/15/14	12/31/14	6/30/15	6/30/16	6/30/17	6/30/18	6/30/19	6/30/20	6/30/21	6/30/22	6/30/23	6/30/24	6/30/25	6/30/26	6/30/27	6/30/28
Alliant Energy Corporation	LNT	($55.37)	$0.00	$1.51	$2.19	$2.26	$2.33	$2.51	$2.71	$2.93	$3.16	$3.40	$3.67	$3.96	$4.18	$4.42	$4.67	$127.79
Black H lls Corporation	BKH	($57.15)	$0.00	$0.87	$1.35	$1.45	$1.56	$1.75	$1.94	$2.15	$2.37	$2.60	$2.84	$3.09	$3.26	$3.45	$3.64	$133.78
CMS Energy Corporation	CMS	($28.83)	$0.00	$0.72	$1.10	$1.17	$1.24	$1.34	$1.45	$1.56	$1.68	$1.81	$1.94	$2.08	$2.20	$2.33	$2.46	$66.73
DTE Energy Company	DTE	($72.84)	$0.00	$2.01	$2.91	$3.00	$3.09	$3.30	$3.53	$3.78	$4.05	$4.33	$4.64	$4.97	$5.25	$5.55	$5.87	$165.94
SCANA Corporation	SCG	($50.42)	$0.00	$1.42	$2.02	$2.06	$2.10	$2.28	$2.48	$2.70	$2.93	$3.19	$3.48	$3.79	$4.01	$4.23	$4.48	$117.88
TECO Energy, Inc.	TE	($16.94)	$0.00	$0.82	$1.03	$0.97	$0.91	$0.93	$0.94	$0.97	$1.00	$1.04	$1.08	$1.14	$1.20	$1.27	$1.34	$35.56
Vectren Corporation	VVC	($38.47)	$0.00	$1.30	$1.60	$1.49	$1.37	$1.51	$1.65	$1.81	$1.98	$2.16	$2.36	$2.57	$2.72	$2.87	$3.04	$88.35

Multi-Stage Growth Discounted Cash Flow Model - Combination Proxy Group
30 Day Average Stock Price
Low EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term		Payout Ratio		Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	Low Growth	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
Alliant Energy Corporation	LNT	$55.37	5.50%	5.40%	6.00%	5.40%	5.70%	64.00%	58.00%	67.05%	($0.00)	9.88%	16.96	2.97
Black Hills Corporation	BKH	$57.15	4.00%	7.00%	13.00%	4.00%	5.70%	55.00%	54.00%	67.05%	($0.00)	8.03%	30.45	5.34
CMS Energy Corporation	CMS	$28.83	6.00%	6.24%	6.50%	6.00%	5.70%	60.00%	60.00%	67.05%	($0.00)	9.92%	16.82	2.95
DTE Energy Company	DTE	$72.84	6.20%	5.21%	5.00%	5.00%	5.70%	67.00%	61.00%	67.05%	($0.00)	9.67%	17.88	3.13
SCANA Corporation	SCG	$50.42	4.50%	4.60%	5.00%	4.50%	5.70%	59.00%	53.00%	67.05%	($0.00)	10.06%	16.27	2.85
TECO Energy, Inc.	TE	$16.94	5.00%	0.17%	2.00%	0.17%	5.70%	97.00%	71.00%	67.05%	$0.00	9.38%	19.26	3.38
Vectren Corporation	VVC	$38.47	4.70%	4.50%	8.50%	4.50%	5.70%	86.00%	53.00%	67.05%	($0.00)	9.30%	19.71	3.45

	DCF Result	Flotation Cost	DCF Result - w/ Flotation Cost
Mean	9.46%	0.14%	9.60%
Max	10.06%	0.14%	10.20%
Min	8.03%	0.14%	8.17%

Projected Annual Earnings per Share

		[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]	[30]
Company	Ticker	2012	2013	2014	2015	2016	2017	2018	**2019**	2020	2021	2022	2023	**2024**	2025	2026	2027	2028
Alliant Energy Corporation	LNT	$3.05	$3.21	$3.39	$3.57	$3.76	$3.97	$4.18	$4.41	$4.65	$4.91	$5.19	$5.48	$5.79	$6.12	$6.47	$6.84	$7.23
Black Hills Corporation	BKH	$1.97	$2.05	$2.13	$2.22	$2.30	$2.40	$2.49	$2.60	$2.72	$2.85	$3.00	$3.16	$3.34	$3.53	$3.73	$3.94	$4.17
CMS Energy Corporation	CMS	$1.53	$1.62	$1.72	$1.82	$1.93	$2.05	$2.17	$2.30	$2.44	$2.58	$2.73	$2.88	$3.05	$3.22	$3.41	$3.60	$3.81
DTE Energy Company	DTE	$3.88	$4.07	$4.28	$4.49	$4.72	$4.95	$5.20	$5.47	$5.75	$6.06	$6.39	$6.75	$7.13	$7.54	$7.97	$8.42	$8.91
SCANA Corporation	SCG	$3.15	$3.29	$3.44	$3.59	$3.76	$3.93	$4.10	$4.29	$4.51	$4.74	$4.99	$5.26	$5.56	$5.88	$6.21	$6.57	$6.94
TECO Energy, Inc.	TE	$1.14	$1.14	$1.14	$1.15	$1.15	$1.15	$1.15	$1.16	$1.19	$1.22	$1.27	$1.33	$1.41	$1.49	$1.57	$1.66	$1.76
Vectren Corporation	VVC	$1.94	$2.03	$2.12	$2.21	$2.31	$2.42	$2.53	$2.65	$2.77	$2.92	$3.07	$3.24	$3.42	$3.62	$3.83	$4.05	$4.28

Projected Annual Dividend Payout Ratio

			[31]	[32]	[33]	[34]	[35]	[36]	[37]	[38]	[39]	[40]	[41]	[42]	[43]	[44]	[45]	[46]
Company	Ticker		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Alliant Energy Corporation	LNT		64.00%	62.50%	61.00%	59.50%	58.00%	59.29%	60.58%	61.88%	63.17%	64.46%	65.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Black Hills Corporation	BKH		55.00%	54.75%	54.50%	54.25%	54.00%	55.86%	57.73%	59.59%	61.45%	63.32%	65.18%	67.05%	67.05%	67.05%	67.05%	67.05%
CMS Energy Corporation	CMS		60.00%	60.00%	60.00%	60.00%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
DTE Energy Company	DTE		67.00%	65.50%	64.00%	62.50%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
SCANA Corporation	SCG		59.00%	57.50%	56.00%	54.50%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%
TECO Energy, Inc.	TE		97.00%	90.50%	84.00%	77.50%	71.00%	70.44%	69.87%	69.31%	68.74%	68.18%	67.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Vectren Corporation	VVC		86.00%	77.75%	69.50%	61.25%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual Cash Flows

			[47]	[48]	[49]	[50]	[51]	[52]	[53]	[54]	[55]	[56]	[57]	[58]	[59]	[60]	[61]	[62]	[63]
Company	Ticker		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Terminal Value
Alliant Energy Corporation	LNT		$2.06	$2.12	$2.18	$2.24	$2.30	$2.48	$2.67	$2.88	$3.10	$3.34	$3.60	$3.88	$4.10	$4.34	$4.59	$4.85	$122.62
Black Hills Corporation	BKH		$1.13	$1.17	$1.21	$1.25	$1.29	$1.39	$1.50	$1.62	$1.75	$1.90	$2.06	$2.24	$2.37	$2.50	$2.64	$2.80	$126.94
CMS Energy Corporation	CMS		$0.97	$1.03	$1.09	$1.16	$1.23	$1.32	$1.43	$1.53	$1.65	$1.77	$1.90	$2.04	$2.16	$2.28	$2.41	$2.55	$64.01
DTE Energy Company	DTE		$2.73	$2.80	$2.87	$2.95	$3.02	$3.22	$3.43	$3.66	$3.91	$4.17	$4.47	$4.78	$5.06	$5.34	$5.65	$5.97	$159.20
SCANA Corporation	SCG		$1.94	$1.98	$2.01	$2.05	$2.08	$2.26	$2.45	$2.66	$2.89	$3.14	$3.42	$3.73	$3.94	$4.17	$4.40	$4.65	$112.95
TECO Energy, Inc.	TE		$1.11	$1.04	$0.96	$0.89	$0.82	$0.81	$0.81	$0.82	$0.84	$0.87	$0.90	$0.94	$1.00	$1.05	$1.11	$1.18	$33.81
Vectren Corporation	VVC		$1.74	$1.65	$1.54	$1.42	$1.28	$1.39	$1.51	$1.64	$1.78	$1.94	$2.11	$2.30	$2.43	$2.57	$2.71	$2.87	$84.27

Projected Annual Data Investor Cash Flows

		[64]	[65]	[66]	[67]	[68]	[69]	[70]	[71]	[72]	[73]	[74]	[75]	[76]	[77]	[78]	[79]	[80]
Company	Ticker	Initial Outflow	4/15/14	12/31/14	6/30/15	6/30/16	6/30/17	6/30/18	6/30/19	6/30/20	6/30/21	6/30/22	6/30/23	6/30/24	6/30/25	6/30/26	6/30/27	6/30/28
Alliant Energy Corporation	LNT	($55.37)	$0.00	$1.51	$2.18	$2.24	$2.30	$2.48	$2.67	$2.88	$3.10	$3.34	$3.60	$3.88	$4.10	$4.34	$4.59	$127.47
Black Hills Corporation	BKH	($57.15)	$0.00	$0.82	$1.21	$1.25	$1.29	$1.39	$1.50	$1.62	$1.75	$1.90	$2.06	$2.24	$2.37	$2.50	$2.64	$129.73
CMS Energy Corporation	CMS	($28.83)	$0.00	$0.71	$1.09	$1.16	$1.23	$1.32	$1.43	$1.53	$1.65	$1.77	$1.90	$2.04	$2.16	$2.28	$2.41	$66.56
DTE Energy Company	DTE	($72.84)	$0.00	$1.99	$2.87	$2.95	$3.02	$3.22	$3.43	$3.66	$3.91	$4.17	$4.47	$4.78	$5.06	$5.34	$5.65	$165.17
SCANA Corporation	SCG	($50.42)	$0.00	$1.41	$2.01	$2.05	$2.08	$2.26	$2.45	$2.66	$2.89	$3.14	$3.42	$3.73	$3.94	$4.17	$4.40	$117.61
TECO Energy, Inc.	TE	($16.94)	$0.00	$0.79	$0.96	$0.89	$0.82	$0.81	$0.81	$0.82	$0.84	$0.87	$0.90	$0.94	$1.00	$1.05	$1.11	$34.99
Vectren Corporation	VVC	($38.47)	$0.00	$1.27	$1.54	$1.42	$1.28	$1.39	$1.51	$1.64	$1.78	$1.94	$2.11	$2.30	$2.43	$2.57	$2.71	$87.13

Multi-Stage Growth Discounted Cash Flow Model - Combination Proxy Group
30 Day Average Stock Price
High EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term		Payout Ratio		Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	High Growth	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
Alliant Energy Corporation	LNT	$55.37	5.50%	5.40%	6.00%	6.00%	5.70%	64.00%	58.00%	67.05%	($0.00)	10.07%	16.24	2.85
Black Hills Corporation	BKH	$57.15	4.00%	7.00%	13.00%	13.00%	5.70%	55.00%	54.00%	67.05%	($0.00)	10.13%	16.01	2.81
CMS Energy Corporation	CMS	$28.83	6.00%	6.24%	6.50%	6.50%	5.70%	60.00%	60.00%	67.05%	($0.00)	10.07%	16.22	2.84
DTE Energy Company	DTE	$72.84	6.20%	5.21%	5.00%	6.20%	5.70%	67.00%	61.00%	67.05%	($0.00)	10.03%	16.38	2.87
SCANA Corporation	SCG	$50.42	4.50%	4.60%	5.00%	5.00%	5.70%	59.00%	53.00%	67.05%	($0.00)	10.22%	15.69	2.75
TECO Energy, Inc.	TE	$16.94	5.00%	0.17%	2.00%	5.00%	5.70%	97.00%	71.00%	67.05%	($0.00)	11.05%	13.26	2.32
Vectren Corporation	VVC	$38.47	4.70%	4.50%	8.50%	8.50%	5.70%	86.00%	53.00%	67.05%	($0.00)	10.50%	14.79	2.59

	DCF Result	Flotation Cost	DCF Result - w/ Flotation Cost
Mean	10.30%	0.14%	10.43%
Max	11.05%	0.14%	11.19%
Min	10.03%	0.14%	10.17%

Projected Annual Earnings per Share

		[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]	[30]
Company	Ticker	2012	2013	2014	2015	2016	2017	2018	**2019**	2020	2021	2022	2023	**2024**	2025	2026	2027	2028
Alliant Energy Corporation	LNT	$3.05	$3.23	$3.43	$3.63	$3.85	$4.08	$4.33	$4.58	$4.85	$5.14	$5.44	$5.75	$6.08	$6.42	$6.79	$7.18	$7.59
Black Hills Corporation	BKH	$1.97	$2.23	$2.52	$2.84	$3.21	$3.63	$4.10	$4.58	$5.07	$5.54	$5.99	$6.41	$6.77	$7.16	$7.57	$8.00	$8.46
CMS Energy Corporation	CMS	$1.53	$1.63	$1.74	$1.85	$1.97	$2.10	$2.23	$2.37	$2.52	$2.68	$2.84	$3.00	$3.17	$3.35	$3.55	$3.75	$3.96
DTE Energy Company	DTE	$3.88	$4.12	$4.38	$4.65	$4.94	$5.24	$5.57	$5.91	$6.26	$6.64	$7.03	$7.43	$7.86	$8.30	$8.78	$9.28	$9.81
SCANA Corporation	SCG	$3.15	$3.31	$3.47	$3.65	$3.83	$4.02	$4.22	$4.44	$4.67	$4.92	$5.19	$5.48	$5.79	$6.12	$6.47	$6.84	$7.23
TECO Energy, Inc.	TE	$1.14	$1.20	$1.26	$1.32	$1.39	$1.45	$1.53	$1.61	$1.69	$1.78	$1.88	$1.98	$2.10	$2.22	$2.34	$2.48	$2.62
Vectren Corporation	VVC	$1.94	$2.10	$2.28	$2.48	$2.69	$2.92	$3.17	$3.42	$3.68	$3.94	$4.20	$4.46	$4.71	$4.98	$5.27	$5.57	$5.89

Projected Annual Dividend Payout Ratio

			[31]	[32]	[33]	[34]	[35]	[36]	[37]	[38]	[39]	[40]	[41]	[42]	[43]	[44]	[45]	[46]
Company	Ticker		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Alliant Energy Corporation	LNT		64.00%	62.50%	61.00%	59.50%	58.00%	59.29%	60.58%	61.88%	63.17%	64.46%	65.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Black Hills Corporation	BKH		55.00%	54.75%	54.50%	54.25%	54.00%	55.86%	57.73%	59.59%	61.45%	63.32%	65.18%	67.05%	67.05%	67.05%	67.05%	67.05%
CMS Energy Corporation	CMS		60.00%	60.00%	60.00%	60.00%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
DTE Energy Company	DTE		67.00%	65.50%	64.00%	62.50%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
SCANA Corporation	SCG		59.00%	57.50%	56.00%	54.50%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%
TECO Energy, Inc.	TE		97.00%	90.50%	84.00%	77.50%	71.00%	70.44%	69.87%	69.31%	68.74%	68.18%	67.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Vectren Corporation	VVC		86.00%	77.75%	69.50%	61.25%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual Cash Flows

			[47]	[48]	[49]	[50]	[51]	[52]	[53]	[54]	[55]	[56]	[57]	[58]	[59]	[60]	[61]	[62]	[63]
Company	Ticker		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Terminal Value
Alliant Energy Corporation	LNT		$2.07	$2.14	$2.22	$2.29	$2.37	$2.57	$2.78	$3.00	$3.25	$3.50	$3.78	$4.07	$4.31	$4.55	$4.81	$5.09	$123.21
Black Hills Corporation	BKH		$1.22	$1.38	$1.55	$1.74	$1.96	$2.29	$2.65	$3.02	$3.41	$3.80	$4.18	$4.54	$4.80	$5.08	$5.36	$5.67	$135.40
CMS Energy Corporation	CMS		$0.98	$1.04	$1.11	$1.18	$1.26	$1.36	$1.47	$1.59	$1.71	$1.84	$1.98	$2.13	$2.25	$2.38	$2.51	$2.66	$64.26
DTE Energy Company	DTE		$2.76	$2.87	$2.97	$3.08	$3.20	$3.44	$3.71	$3.98	$4.28	$4.59	$4.92	$5.27	$5.57	$5.89	$6.22	$6.58	$160.62
SCANA Corporation	SCG		$1.95	$2.00	$2.04	$2.09	$2.13	$2.32	$2.53	$2.76	$3.00	$3.27	$3.56	$3.88	$4.10	$4.34	$4.59	$4.85	$113.45
TECO Energy, Inc.	TE		$1.16	$1.14	$1.11	$1.07	$1.03	$1.08	$1.12	$1.17	$1.22	$1.28	$1.34	$1.41	$1.49	$1.57	$1.66	$1.75	$34.70
Vectren Corporation	VVC		$1.81	$1.78	$1.72	$1.65	$1.55	$1.74	$1.95	$2.17	$2.40	$2.65	$2.90	$3.16	$3.34	$3.53	$3.73	$3.95	$87.06

Projected Annual Data Investor Cash Flows

		[64]	[65]	[66]	[67]	[68]	[69]	[70]	[71]	[72]	[73]	[74]	[75]	[76]	[77]	[78]	[79]	[80]
		Initial																
Company	Ticker	Outflow	4/15/14	12/31/14	6/30/15	6/30/16	6/30/17	6/30/18	6/30/19	6/30/20	6/30/21	6/30/22	6/30/23	6/30/24	6/30/25	6/30/26	6/30/27	6/30/28
Alliant Energy Corporation	LNT	($55.37)	$0.00	$1.52	$2.22	$2.29	$2.37	$2.57	$2.78	$3.00	$3.25	$3.50	$3.78	$4.07	$4.31	$4.55	$4.81	$128.30
Black Hills Corporation	BKH	($57.15)	$0.00	$0.93	$1.55	$1.74	$1.96	$2.29	$2.65	$3.02	$3.41	$3.80	$4.18	$4.54	$4.80	$5.08	$5.36	$141.07
CMS Energy Corporation	CMS	($28.83)	$0.00	$0.72	$1.11	$1.18	$1.26	$1.36	$1.47	$1.59	$1.71	$1.84	$1.98	$2.13	$2.25	$2.38	$2.51	$66.92
DTE Energy Company	DTE	($72.84)	$0.00	$2.03	$2.97	$3.08	$3.20	$3.44	$3.71	$3.98	$4.28	$4.59	$4.92	$5.27	$5.57	$5.89	$6.22	$167.19
SCANA Corporation	SCG	($50.42)	$0.00	$1.42	$2.04	$2.09	$2.13	$2.32	$2.53	$2.76	$3.00	$3.27	$3.56	$3.88	$4.10	$4.34	$4.59	$118.29
TECO Energy, Inc.	TE	($16.94)	$0.00	$0.85	$1.11	$1.07	$1.03	$1.08	$1.12	$1.17	$1.22	$1.28	$1.34	$1.41	$1.49	$1.57	$1.66	$36.45
Vectren Corporation	VVC	($38.47)	$0.00	$1.34	$1.72	$1.65	$1.55	$1.74	$1.95	$2.17	$2.40	$2.65	$2.90	$3.16	$3.34	$3.53	$3.73	$91.01

Multi-Stage Growth Discounted Cash Flow Model - Combination Proxy Group
90 Day Average Stock Price
Average EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term		Payout Ratio		Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	Average	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
Alliant Energy Corporation	LNT	$53.06	5.50%	5.40%	6.00%	5.63%	5.70%	64.00%	58.00%	67.05%	($0.00)	10.14%	15.98	2.80
Black Hills Corporation	BKH	$54.72	4.00%	7.00%	13.00%	8.00%	5.70%	55.00%	54.00%	67.05%	($0.00)	8.97%	21.68	3.80
CMS Energy Corporation	CMS	$27.68	6.00%	6.24%	6.50%	6.25%	5.70%	60.00%	60.00%	67.05%	($0.00)	10.17%	15.86	2.78
DTE Energy Company	DTE	$69.33	6.20%	5.21%	5.00%	5.47%	5.70%	67.00%	61.00%	67.05%	($0.00)	10.02%	16.43	2.88
SCANA Corporation	SCG	$48.30	4.50%	4.60%	5.00%	4.70%	5.70%	59.00%	53.00%	67.05%	($0.00)	10.32%	15.37	2.69
TECO Energy, Inc.	TE	$16.85	5.00%	0.17%	2.00%	2.39%	5.70%	97.00%	71.00%	67.05%	($0.00)	10.12%	16.07	2.82
Vectren Corporation	VVC	$36.84	4.70%	4.50%	8.50%	5.90%	5.70%	86.00%	53.00%	67.05%	($0.00)	9.87%	17.03	2.98

		DCF Result	Flotation Cost	DCF Result - w/ Flotation Cost
	Mean	9.94%	0.14%	10.08%
	Max	10.32%	0.14%	10.45%
	Min	8.97%	0.14%	9.11%

Projected Annual Earnings per Share

		[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]	[30]
Company	Ticker	2012	2013	2014	2015	2016	2017	2018	**2019**	2020	2021	2022	2023	**2024**	2025	2026	2027	2028
Alliant Energy Corporation	LNT	$3.05	$3.22	$3.40	$3.60	$3.80	$4.01	$4.24	$4.48	$4.73	$5.00	$5.28	$5.58	$5.90	$6.24	$6.59	$6.97	$7.37
Black Hills Corporation	BKH	$1.97	$2.13	$2.30	$2.48	$2.68	$2.89	$3.13	$3.36	$3.61	$3.85	$4.10	$4.35	$4.60	$4.87	$5.14	$5.44	$5.75
CMS Energy Corporation	CMS	$1.53	$1.63	$1.73	$1.84	$1.95	$2.07	$2.20	$2.34	$2.48	$2.63	$2.78	$2.94	$3.11	$3.29	$3.47	$3.67	$3.88
DTE Energy Company	DTE	$3.88	$4.09	$4.32	$4.55	$4.80	$5.06	$5.34	$5.64	$5.95	$6.28	$6.63	$7.01	$7.41	$7.83	$8.28	$8.75	$9.25
SCANA Corporation	SCG	$3.15	$3.30	$3.45	$3.62	$3.79	$3.96	$4.15	$4.35	$4.57	$4.81	$5.07	$5.35	$5.65	$5.97	$6.32	$6.68	$7.06
TECO Energy, Inc.	TE	$1.14	$1.17	$1.20	$1.22	$1.25	$1.28	$1.31	$1.35	$1.40	$1.46	$1.52	$1.60	$1.69	$1.79	$1.89	$2.00	$2.11
Vectren Corporation	VVC	$1.94	$2.05	$2.18	$2.30	$2.44	$2.58	$2.74	$2.90	$3.07	$3.24	$3.43	$3.63	$3.83	$4.05	$4.28	$4.53	$4.79

Projected Annual Dividend Payout Ratio

			[31]	[32]	[33]	[34]	[35]	[36]	[37]	[38]	[39]	[40]	[41]	[42]	[43]	[44]	[45]	[46]
Company	Ticker		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Alliant Energy Corporation	LNT		64.00%	62.50%	61.00%	59.50%	58.00%	59.29%	60.58%	61.88%	63.17%	64.46%	65.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Black Hills Corporation	BKH		55.00%	54.75%	54.50%	54.25%	54.00%	55.86%	57.73%	59.59%	61.45%	63.32%	65.18%	67.05%	67.05%	67.05%	67.05%	67.05%
CMS Energy Corporation	CMS		60.00%	60.00%	60.00%	60.00%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
DTE Energy Company	DTE		67.00%	65.50%	64.00%	62.50%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
SCANA Corporation	SCG		59.00%	57.50%	56.00%	54.50%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%
TECO Energy, Inc.	TE		97.00%	90.50%	84.00%	77.50%	71.00%	70.44%	69.87%	69.31%	68.74%	68.18%	67.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Vectren Corporation	VVC		86.00%	77.75%	69.50%	61.25%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual Cash Flows

			[47]	[48]	[49]	[50]	[51]	[52]	[53]	[54]	[55]	[56]	[57]	[58]	[59]	[60]	[61]	[62]	[63]
Company	Ticker		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Terminal Value
Alliant Energy Corporation	LNT		$2.06	$2.13	$2.19	$2.26	$2.33	$2.51	$2.71	$2.93	$3.16	$3.40	$3.67	$3.96	$4.18	$4.42	$4.67	$4.94	$117.73
Black Hills Corporation	BKH		$1.17	$1.26	$1.35	$1.45	$1.56	$1.75	$1.94	$2.15	$2.37	$2.60	$2.84	$3.09	$3.26	$3.45	$3.64	$3.85	$124.55
CMS Energy Corporation	CMS		$0.98	$1.04	$1.10	$1.17	$1.24	$1.34	$1.45	$1.56	$1.68	$1.81	$1.94	$2.08	$2.20	$2.33	$2.46	$2.60	$61.59
DTE Energy Company	DTE		$2.74	$2.83	$2.91	$3.00	$3.09	$3.30	$3.53	$3.78	$4.05	$4.33	$4.64	$4.97	$5.25	$5.55	$5.87	$6.20	$152.02
SCANA Corporation	SCG		$1.95	$1.99	$2.02	$2.06	$2.10	$2.28	$2.48	$2.70	$2.93	$3.19	$3.48	$3.79	$4.01	$4.23	$4.48	$4.73	$108.45
TECO Energy, Inc.	TE		$1.13	$1.08	$1.03	$0.97	$0.91	$0.93	$0.94	$0.97	$1.00	$1.04	$1.08	$1.14	$1.20	$1.27	$1.34	$1.42	$33.96
Vectren Corporation	VVC		$1.77	$1.69	$1.60	$1.49	$1.37	$1.51	$1.65	$1.81	$1.98	$2.16	$2.36	$2.57	$2.72	$2.87	$3.04	$3.21	$81.51

Projected Annual Data
Investor Cash Flows

		[64]	[65]	[66]	[67]	[68]	[69]	[70]	[71]	[72]	[73]	[74]	[75]	[76]	[77]	[78]	[79]	[80]
Company	Ticker	Initial Outflow	4/15/14	12/31/14	6/30/15	6/30/16	6/30/17	6/30/18	6/30/19	6/30/20	6/30/21	6/30/22	6/30/23	6/30/24	6/30/25	6/30/26	6/30/27	6/30/28
Alliant Energy Corporation	LNT	($53.06)	$0.00	$1.51	$2.19	$2.26	$2.33	$2.51	$2.71	$2.93	$3.16	$3.40	$3.67	$3.96	$4.18	$4.42	$4.67	$122.67
Black Hills Corporation	BKH	($54.72)	$0.00	$0.87	$1.35	$1.45	$1.56	$1.75	$1.94	$2.15	$2.37	$2.60	$2.84	$3.09	$3.26	$3.45	$3.64	$128.41
CMS Energy Corporation	CMS	($27.68)	$0.00	$0.72	$1.10	$1.17	$1.24	$1.34	$1.45	$1.56	$1.68	$1.81	$1.94	$2.08	$2.20	$2.33	$2.46	$64.19
DTE Energy Company	DTE	($69.33)	$0.00	$2.01	$2.91	$3.00	$3.09	$3.30	$3.53	$3.78	$4.05	$4.33	$4.64	$4.97	$5.25	$5.55	$5.87	$158.22
SCANA Corporation	SCG	($48.30)	$0.00	$1.42	$2.02	$2.06	$2.10	$2.28	$2.48	$2.70	$2.93	$3.19	$3.48	$3.79	$4.01	$4.23	$4.48	$113.18
TECO Energy, Inc.	TE	($16.85)	$0.00	$0.82	$1.03	$0.97	$0.91	$0.93	$0.94	$0.97	$1.00	$1.04	$1.08	$1.14	$1.20	$1.27	$1.34	$35.37
Vectren Corporation	VVC	($36.84)	$0.00	$1.30	$1.60	$1.49	$1.37	$1.51	$1.65	$1.81	$1.98	$2.16	$2.36	$2.57	$2.72	$2.87	$3.04	$84.72

Multi-Stage Growth Discounted Cash Flow Model - Combination Proxy Group
90 Day Average Stock Price
Low EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term		Payout Ratio		Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	Low Growth	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
Alliant Energy Corporation	LNT	$53.06	5.50%	5.40%	6.00%	5.40%	5.70%	64.00%	58.00%	67.05%	($0.00)	10.07%	16.25	2.85
Black Hills Corporation	BKH	$54.72	4.00%	7.00%	13.00%	4.00%	5.70%	55.00%	54.00%	67.05%	($0.00)	8.13%	29.16	5.11
CMS Energy Corporation	CMS	$27.68	6.00%	6.24%	6.50%	6.00%	5.70%	60.00%	60.00%	67.05%	($0.00)	10.09%	16.15	2.83
DTE Energy Company	DTE	$69.33	6.20%	5.21%	5.00%	5.00%	5.70%	67.00%	61.00%	67.05%	($0.00)	9.87%	17.01	2.98
SCANA Corporation	SCG	$48.30	4.50%	4.60%	5.00%	4.50%	5.70%	59.00%	53.00%	67.05%	($0.00)	10.25%	15.59	2.73
TECO Energy, Inc.	TE	$16.85	5.00%	0.17%	2.00%	0.17%	5.70%	97.00%	71.00%	67.05%	$0.00	9.41%	19.15	3.36
Vectren Corporation	VVC	$36.84	4.70%	4.50%	8.50%	4.50%	5.70%	86.00%	53.00%	67.05%	($0.00)	9.46%	18.86	3.31

	DCF Result	Flotation Cost	DCF Result - w/ Flotation Cost
Mean	9.61%	0.14%	9.75%
Max	10.25%	0.14%	10.39%
Min	8.13%	0.14%	8.27%

Projected Annual Earnings per Share

		[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]	[30]
Company	Ticker	2012	2013	2014	2015	2016	2017	2018	**2019**	2020	2021	2022	2023	**2024**	2025	2026	2027	2028
Alliant Energy Corporation	LNT	$3.05	$3.21	$3.39	$3.57	$3.76	$3.97	$4.18	$4.41	$4.65	$4.91	$5.19	$5.48	$5.79	$6.12	$6.47	$6.84	$7.23
Black Hills Corporation	BKH	$1.97	$2.05	$2.13	$2.22	$2.30	$2.40	$2.49	$2.60	$2.72	$2.85	$3.00	$3.16	$3.34	$3.53	$3.73	$3.94	$4.17
CMS Energy Corporation	CMS	$1.53	$1.62	$1.72	$1.82	$1.93	$2.05	$2.17	$2.30	$2.44	$2.58	$2.73	$2.88	$3.05	$3.22	$3.41	$3.60	$3.81
DTE Energy Company	DTE	$3.88	$4.07	$4.28	$4.49	$4.72	$4.95	$5.20	$5.47	$5.75	$6.06	$6.39	$6.75	$7.13	$7.54	$7.97	$8.42	$8.91
SCANA Corporation	SCG	$3.15	$3.29	$3.44	$3.59	$3.76	$3.93	$4.10	$4.29	$4.51	$4.74	$4.99	$5.26	$5.56	$5.88	$6.21	$6.57	$6.94
TECO Energy, Inc.	TE	$1.14	$1.14	$1.14	$1.15	$1.15	$1.15	$1.15	$1.16	$1.19	$1.22	$1.27	$1.33	$1.41	$1.49	$1.57	$1.66	$1.76
Vectren Corporation	VVC	$1.94	$2.03	$2.12	$2.21	$2.31	$2.42	$2.53	$2.65	$2.77	$2.92	$3.07	$3.24	$3.42	$3.62	$3.83	$4.05	$4.28

Projected Annual Dividend Payout Ratio

			[31]	[32]	[33]	[34]	[35]	[36]	[37]	[38]	[39]	[40]	[41]	[42]	[43]	[44]	[45]	[46]
Company	Ticker		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Alliant Energy Corporation	LNT		64.00%	62.50%	61.00%	59.50%	58.00%	59.29%	60.58%	61.88%	63.17%	64.46%	65.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Black Hills Corporation	BKH		55.00%	54.75%	54.50%	54.25%	54.00%	55.86%	57.73%	59.59%	61.45%	63.32%	65.18%	67.05%	67.05%	67.05%	67.05%	67.05%
CMS Energy Corporation	CMS		60.00%	60.00%	60.00%	60.00%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
DTE Energy Company	DTE		67.00%	65.50%	64.00%	62.50%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
SCANA Corporation	SCG		59.00%	57.50%	56.00%	54.50%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%
TECO Energy, Inc.	TE		97.00%	90.50%	84.00%	77.50%	71.00%	70.44%	69.87%	69.31%	68.74%	68.18%	67.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Vectren Corporation	VVC		86.00%	77.75%	69.50%	61.25%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual Cash Flows

			[47]	[48]	[49]	[50]	[51]	[52]	[53]	[54]	[55]	[56]	[57]	[58]	[59]	[60]	[61]	[62]	[63]
Company	Ticker		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Terminal Value
Alliant Energy Corporation	LNT		$2.06	$2.12	$2.18	$2.24	$2.30	$2.48	$2.67	$2.88	$3.10	$3.34	$3.60	$3.88	$4.10	$4.34	$4.59	$4.85	$117.51
Black Hills Corporation	BKH		$1.13	$1.17	$1.21	$1.25	$1.29	$1.39	$1.50	$1.62	$1.75	$1.90	$2.06	$2.24	$2.37	$2.50	$2.64	$2.80	$121.58
CMS Energy Corporation	CMS		$0.97	$1.03	$1.09	$1.16	$1.23	$1.32	$1.43	$1.53	$1.65	$1.77	$1.90	$2.04	$2.16	$2.28	$2.41	$2.55	$61.46
DTE Energy Company	DTE		$2.73	$2.80	$2.87	$2.95	$3.02	$3.22	$3.43	$3.66	$3.91	$4.17	$4.47	$4.78	$5.06	$5.34	$5.65	$5.97	$151.48
SCANA Corporation	SCG		$1.94	$1.98	$2.01	$2.05	$2.08	$2.26	$2.45	$2.66	$2.89	$3.14	$3.42	$3.73	$3.94	$4.17	$4.40	$4.65	$108.26
TECO Energy, Inc.	TE		$1.11	$1.04	$0.96	$0.89	$0.82	$0.81	$0.81	$0.82	$0.84	$0.87	$0.90	$0.94	$1.00	$1.05	$1.11	$1.18	$33.62
Vectren Corporation	VVC		$1.74	$1.65	$1.54	$1.42	$1.28	$1.39	$1.51	$1.64	$1.78	$1.94	$2.11	$2.30	$2.43	$2.57	$2.71	$2.87	$80.65

Projected Annual Data Investor Cash Flows

		[64]	[65]	[66]	[67]	[68]	[69]	[70]	[71]	[72]	[73]	[74]	[75]	[76]	[77]	[78]	[79]	[80]
Company	Ticker	Initial Outflow	4/15/14	12/31/14	6/30/15	6/30/16	6/30/17	6/30/18	6/30/19	6/30/20	6/30/21	6/30/22	6/30/23	6/30/24	6/30/25	6/30/26	6/30/27	6/30/28
Alliant Energy Corporation	LNT	($53.06)	$0.00	$1.51	$2.18	$2.24	$2.30	$2.48	$2.67	$2.88	$3.10	$3.34	$3.60	$3.88	$4.10	$4.34	$4.59	$122.36
Black Hills Corporation	BKH	($54.72)	$0.00	$0.82	$1.21	$1.25	$1.29	$1.39	$1.50	$1.62	$1.75	$1.90	$2.06	$2.24	$2.37	$2.50	$2.64	$124.37
CMS Energy Corporation	CMS	($27.68)	$0.00	$0.71	$1.09	$1.16	$1.23	$1.32	$1.43	$1.53	$1.65	$1.77	$1.90	$2.04	$2.16	$2.28	$2.41	$64.02
DTE Energy Company	DTE	($69.33)	$0.00	$1.99	$2.87	$2.95	$3.02	$3.22	$3.43	$3.66	$3.91	$4.17	$4.47	$4.78	$5.06	$5.34	$5.65	$157.45
SCANA Corporation	SCG	($48.30)	$0.00	$1.41	$2.01	$2.05	$2.08	$2.26	$2.45	$2.66	$2.89	$3.14	$3.42	$3.73	$3.94	$4.17	$4.40	$112.91
TECO Energy, Inc.	TE	($16.85)	$0.00	$0.79	$0.96	$0.89	$0.82	$0.81	$0.81	$0.82	$0.84	$0.87	$0.90	$0.94	$1.00	$1.05	$1.11	$34.80
Vectren Corporation	VVC	($36.84)	$0.00	$1.27	$1.54	$1.42	$1.28	$1.39	$1.51	$1.64	$1.78	$1.94	$2.11	$2.30	$2.43	$2.57	$2.71	$83.52

Multi-Stage Growth Discounted Cash Flow Model - Combination Proxy Group
90 Day Average Stock Price
High EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term		Payout Ratio		Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	High Growth	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
Alliant Energy Corporation	LNT	$53.06	5.50%	5.40%	6.00%	6.00%	5.70%	64.00%	58.00%	67.05%	($0.00)	10.26%	15.56	2.73
Black Hills Corporation	BKH	$54.72	4.00%	7.00%	13.00%	13.00%	5.70%	55.00%	54.00%	67.05%	($0.00)	10.32%	15.37	2.69
CMS Energy Corporation	CMS	$27.68	6.00%	6.24%	6.50%	6.50%	5.70%	60.00%	60.00%	67.05%	($0.00)	10.25%	15.58	2.73
DTE Energy Company	DTE	$69.33	6.20%	5.21%	5.00%	6.20%	5.70%	67.00%	61.00%	67.05%	($0.00)	10.25%	15.59	2.73
SCANA Corporation	SCG	$48.30	4.50%	4.60%	5.00%	5.00%	5.70%	59.00%	53.00%	67.05%	($0.00)	10.42%	15.04	2.64
TECO Energy, Inc.	TE	$16.85	5.00%	0.17%	2.00%	5.00%	5.70%	97.00%	71.00%	67.05%	($0.00)	11.08%	13.19	2.31
Vectren Corporation	VVC	$36.84	4.70%	4.50%	8.50%	8.50%	5.70%	86.00%	53.00%	67.05%	($0.00)	10.70%	14.17	2.48

	DCF Result	Flotation Cost	DCF Result - w/ Flotation Cost
Mean	10.47%	0.14%	10.61%
Max	11.08%	0.14%	11.22%
Min	10.25%	0.14%	10.39%

Projected Annual Earnings per Share		[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]	[30]
Company	Ticker	2012	2013	2014	2015	2016	2017	2018	**2019**	2020	2021	2022	2023	**2024**	2025	2026	2027	2028
Alliant Energy Corporation	LNT	$3.05	$3.23	$3.43	$3.63	$3.85	$4.08	$4.33	$4.58	$4.85	$5.14	$5.44	$5.75	$6.08	$6.42	$6.79	$7.18	$7.59
Black Hills Corporation	BKH	$1.97	$2.23	$2.52	$2.84	$3.21	$3.63	$4.10	$4.58	$5.07	$5.54	$5.99	$6.41	$6.77	$7.16	$7.57	$8.00	$8.46
CMS Energy Corporation	CMS	$1.53	$1.63	$1.74	$1.85	$1.97	$2.10	$2.23	$2.37	$2.52	$2.68	$2.84	$3.00	$3.17	$3.35	$3.55	$3.75	$3.96
DTE Energy Company	DTE	$3.88	$4.12	$4.38	$4.65	$4.94	$5.24	$5.57	$5.91	$6.26	$6.64	$7.03	$7.43	$7.86	$8.30	$8.78	$9.28	$9.81
SCANA Corporation	SCG	$3.15	$3.31	$3.47	$3.65	$3.83	$4.02	$4.22	$4.44	$4.67	$4.92	$5.19	$5.48	$5.79	$6.12	$6.47	$6.84	$7.23
TECO Energy, Inc.	TE	$1.14	$1.20	$1.26	$1.32	$1.39	$1.45	$1.53	$1.61	$1.69	$1.78	$1.88	$1.98	$2.10	$2.22	$2.34	$2.48	$2.62
Vectren Corporation	VVC	$1.94	$2.10	$2.28	$2.48	$2.69	$2.92	$3.17	$3.42	$3.68	$3.94	$4.20	$4.46	$4.71	$4.98	$5.27	$5.57	$5.89

Projected Annual Dividend Payout Ratio			[31]	[32]	[33]	[34]	[35]	[36]	[37]	[38]	[39]	[40]	[41]	[42]	[43]	[44]	[45]	[46]
Company	Ticker		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Alliant Energy Corporation	LNT		64.00%	62.50%	61.00%	59.50%	58.00%	59.29%	60.58%	61.88%	63.17%	64.46%	65.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Black Hills Corporation	BKH		55.00%	54.75%	54.50%	54.25%	54.00%	55.86%	57.73%	59.59%	61.45%	63.32%	65.18%	67.05%	67.05%	67.05%	67.05%	67.05%
CMS Energy Corporation	CMS		60.00%	60.00%	60.00%	60.00%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
DTE Energy Company	DTE		67.00%	65.50%	64.00%	62.50%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
SCANA Corporation	SCG		59.00%	57.50%	56.00%	54.50%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%
TECO Energy, Inc.	TE		97.00%	90.50%	84.00%	77.50%	71.00%	70.44%	69.87%	69.31%	68.74%	68.18%	67.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Vectren Corporation	VVC		86.00%	77.75%	69.50%	61.25%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual Cash Flows			[47]	[48]	[49]	[50]	[51]	[52]	[53]	[54]	[55]	[56]	[57]	[58]	[59]	[60]	[61]	[62]	[63]
Company	Ticker		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Terminal Value
Alliant Energy Corporation	LNT		$2.07	$2.14	$2.22	$2.29	$2.37	$2.57	$2.78	$3.00	$3.25	$3.50	$3.78	$4.07	$4.31	$4.55	$4.81	$5.09	$118.10
Black Hills Corporation	BKH		$1.22	$1.38	$1.55	$1.74	$1.96	$2.29	$2.65	$3.02	$3.41	$3.80	$4.18	$4.54	$4.80	$5.08	$5.36	$5.67	$129.98
CMS Energy Corporation	CMS		$0.98	$1.04	$1.11	$1.18	$1.26	$1.36	$1.47	$1.59	$1.71	$1.84	$1.98	$2.13	$2.25	$2.38	$2.51	$2.66	$61.72
DTE Energy Company	DTE		$2.76	$2.87	$2.97	$3.08	$3.20	$3.44	$3.71	$3.98	$4.28	$4.59	$4.92	$5.27	$5.57	$5.89	$6.22	$6.58	$152.89
SCANA Corporation	SCG		$1.95	$2.00	$2.04	$2.09	$2.13	$2.32	$2.53	$2.76	$3.00	$3.27	$3.56	$3.88	$4.10	$4.34	$4.59	$4.85	$108.75
TECO Energy, Inc.	TE		$1.16	$1.14	$1.11	$1.07	$1.03	$1.08	$1.12	$1.17	$1.22	$1.28	$1.34	$1.41	$1.49	$1.57	$1.66	$1.75	$34.51
Vectren Corporation	VVC		$1.81	$1.78	$1.72	$1.65	$1.55	$1.74	$1.95	$2.17	$2.40	$2.65	$2.90	$3.16	$3.34	$3.53	$3.73	$3.95	$83.43

Projected Annual Data Investor Cash Flows			[64]	[65]	[66]	[67]	[68]	[69]	[70]	[71]	[72]	[73]	[74]	[75]	[76]	[77]	[78]	[79]	[80]
Company	Ticker		Initial Outflow	4/15/14	12/31/14	6/30/15	6/30/16	6/30/17	6/30/18	6/30/19	6/30/20	6/30/21	6/30/22	6/30/23	6/30/24	6/30/25	6/30/26	6/30/27	6/30/28
Alliant Energy Corporation	LNT		($53.06)	$0.00	$1.52	$2.22	$2.29	$2.37	$2.57	$2.78	$3.00	$3.25	$3.50	$3.78	$4.07	$4.31	$4.55	$4.81	$123.18
Black Hills Corporation	BKH		($54.72)	$0.00	$0.93	$1.55	$1.74	$1.96	$2.29	$2.65	$3.02	$3.41	$3.80	$4.18	$4.54	$4.80	$5.08	$5.36	$135.65
CMS Energy Corporation	CMS		($27.68)	$0.00	$0.72	$1.11	$1.18	$1.26	$1.36	$1.47	$1.59	$1.71	$1.84	$1.98	$2.13	$2.25	$2.38	$2.51	$64.37
DTE Energy Company	DTE		($69.33)	$0.00	$2.03	$2.97	$3.08	$3.20	$3.44	$3.71	$3.98	$4.28	$4.59	$4.92	$5.27	$5.57	$5.89	$6.22	$159.47
SCANA Corporation	SCG		($48.30)	$0.00	$1.42	$2.04	$2.09	$2.13	$2.32	$2.53	$2.76	$3.00	$3.27	$3.56	$3.88	$4.10	$4.34	$4.59	$113.60
TECO Energy, Inc.	TE		($16.85)	$0.00	$0.85	$1.11	$1.07	$1.03	$1.08	$1.12	$1.17	$1.22	$1.28	$1.34	$1.41	$1.49	$1.57	$1.66	$36.26
Vectren Corporation	VVC		($36.84)	$0.00	$1.34	$1.72	$1.65	$1.55	$1.74	$1.95	$2.17	$2.40	$2.65	$2.90	$3.16	$3.34	$3.53	$3.73	$87.37

Multi-Stage Growth Discounted Cash Flow Model - Combination Proxy Group
180 Day Average Stock Price
Average EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term		Payout Ratio		Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	Average	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
Alliant Energy Corporation	LNT	$52.11	5.50%	5.40%	6.00%	5.63%	5.70%	64.00%	58.00%	67.05%	($0.00)	10.22%	15.70	2.75
Black Hills Corporation	BKH	$52.52	4.00%	7.00%	13.00%	8.00%	5.70%	55.00%	54.00%	67.05%	($0.00)	9.11%	20.83	3.65
CMS Energy Corporation	CMS	$27.33	6.00%	6.24%	6.50%	6.25%	5.70%	60.00%	60.00%	67.05%	($0.00)	10.23%	15.67	2.75
DTE Energy Company	DTE	$68.58	6.20%	5.21%	5.00%	5.47%	5.70%	67.00%	61.00%	67.05%	($0.00)	10.07%	16.25	2.85
SCANA Corporation	SCG	$47.93	4.50%	4.60%	5.00%	4.70%	5.70%	59.00%	53.00%	67.05%	($0.00)	10.35%	15.25	2.67
TECO Energy, Inc.	TE	$16.93	5.00%	0.17%	2.00%	2.39%	5.70%	97.00%	71.00%	67.05%	($0.00)	10.09%	16.15	2.83
Vectren Corporation	VVC	$35.51	4.70%	4.50%	8.50%	5.90%	5.70%	86.00%	53.00%	67.05%	($0.00)	10.02%	16.41	2.88

	DCF Result	Flotation Cost	DCF Result - w/ Flotation Cost
Mean	10.01%	0.14%	10.15%
Max	10.35%	0.14%	10.49%
Min	9.11%	0.14%	9.25%

Projected Annual Earnings per Share

		[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]	[30]
Company	Ticker	2012	2013	2014	2015	2016	2017	2018	**2019**	2020	2021	2022	2023	**2024**	2025	2026	2027	2028
Alliant Energy Corporation	LNT	$3.05	$3.22	$3.40	$3.60	$3.80	$4.01	$4.24	$4.48	$4.73	$5.00	$5.28	$5.58	$5.90	$6.24	$6.59	$6.97	$7.37
Black Hills Corporation	BKH	$1.97	$2.13	$2.30	$2.48	$2.68	$2.89	$3.13	$3.36	$3.61	$3.85	$4.10	$4.35	$4.60	$4.87	$5.14	$5.44	$5.75
CMS Energy Corporation	CMS	$1.53	$1.63	$1.73	$1.84	$1.95	$2.07	$2.20	$2.34	$2.48	$2.63	$2.78	$2.94	$3.11	$3.29	$3.47	$3.67	$3.88
DTE Energy Company	DTE	$3.88	$4.09	$4.32	$4.55	$4.80	$5.06	$5.34	$5.64	$5.95	$6.28	$6.63	$7.01	$7.41	$7.83	$8.28	$8.75	$9.25
SCANA Corporation	SCG	$3.15	$3.30	$3.45	$3.62	$3.79	$3.96	$4.15	$4.35	$4.57	$4.81	$5.07	$5.35	$5.65	$5.97	$6.32	$6.68	$7.06
TECO Energy, Inc.	TE	$1.14	$1.17	$1.20	$1.22	$1.25	$1.28	$1.31	$1.35	$1.40	$1.46	$1.52	$1.60	$1.69	$1.79	$1.89	$2.00	$2.11
Vectren Corporation	VVC	$1.94	$2.05	$2.18	$2.30	$2.44	$2.58	$2.74	$2.90	$3.07	$3.24	$3.43	$3.63	$3.83	$4.05	$4.28	$4.53	$4.79

Projected Annual Dividend Payout Ratio

			[31]	[32]	[33]	[34]	[35]	[36]	[37]	[38]	[39]	[40]	[41]	[42]	[43]	[44]	[45]	[46]
Company	Ticker		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Alliant Energy Corporation	LNT		64.00%	62.50%	61.00%	59.50%	58.00%	59.29%	60.58%	61.88%	63.17%	64.46%	65.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Black Hills Corporation	BKH		55.00%	54.75%	54.50%	54.25%	54.00%	55.86%	57.73%	59.59%	61.45%	63.32%	65.18%	67.05%	67.05%	67.05%	67.05%	67.05%
CMS Energy Corporation	CMS		60.00%	60.00%	60.00%	60.00%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
DTE Energy Company	DTE		67.00%	65.50%	64.00%	62.50%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
SCANA Corporation	SCG		59.00%	57.50%	56.00%	54.50%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%
TECO Energy, Inc.	TE		97.00%	90.50%	84.00%	77.50%	71.00%	70.44%	69.87%	69.31%	68.74%	68.18%	67.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Vectren Corporation	VVC		86.00%	77.75%	69.50%	61.25%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual Cash Flows

			[47]	[48]	[49]	[50]	[51]	[52]	[53]	[54]	[55]	[56]	[57]	[58]	[59]	[60]	[61]	[62]	[63]
Company	Ticker		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Terminal Value
Alliant Energy Corporation	LNT		$2.06	$2.13	$2.19	$2.26	$2.33	$2.51	$2.71	$2.93	$3.16	$3.40	$3.67	$3.96	$4.18	$4.42	$4.67	$4.94	$115.64
Black Hills Corporation	BKH		$1.17	$1.26	$1.35	$1.45	$1.56	$1.75	$1.94	$2.15	$2.37	$2.60	$2.84	$3.09	$3.26	$3.45	$3.64	$3.85	$119.68
CMS Energy Corporation	CMS		$0.98	$1.04	$1.10	$1.17	$1.24	$1.34	$1.45	$1.56	$1.68	$1.81	$1.94	$2.08	$2.20	$2.33	$2.46	$2.60	$60.82
DTE Energy Company	DTE		$2.74	$2.83	$2.91	$3.00	$3.09	$3.30	$3.53	$3.78	$4.05	$4.33	$4.64	$4.97	$5.25	$5.55	$5.87	$6.20	$150.34
SCANA Corporation	SCG		$1.95	$1.99	$2.02	$2.06	$2.10	$2.28	$2.48	$2.70	$2.93	$3.19	$3.48	$3.79	$4.01	$4.23	$4.48	$4.73	$107.64
TECO Energy, Inc.	TE		$1.13	$1.08	$1.03	$0.97	$0.91	$0.93	$0.94	$0.97	$1.00	$1.04	$1.08	$1.14	$1.20	$1.27	$1.34	$1.42	$34.13
Vectren Corporation	VVC		$1.77	$1.69	$1.60	$1.49	$1.37	$1.51	$1.65	$1.81	$1.98	$2.16	$2.36	$2.57	$2.72	$2.87	$3.04	$3.21	$78.59

Projected Annual Data Investor Cash Flows

		[64]	[65]	[66]	[67]	[68]	[69]	[70]	[71]	[72]	[73]	[74]	[75]	[76]	[77]	[78]	[79]	[80]
Company	Ticker	Initial Outflow	4/15/14	12/31/14	6/30/15	6/30/16	6/30/17	6/30/18	6/30/19	6/30/20	6/30/21	6/30/22	6/30/23	6/30/24	6/30/25	6/30/26	6/30/27	6/30/28
Alliant Energy Corporation	LNT	($52.11)	$0.00	$1.51	$2.19	$2.26	$2.33	$2.51	$2.71	$2.93	$3.16	$3.40	$3.67	$3.96	$4.18	$4.42	$4.67	$120.58
Black Hills Corporation	BKH	($52.52)	$0.00	$0.87	$1.35	$1.45	$1.56	$1.75	$1.94	$2.15	$2.37	$2.60	$2.84	$3.09	$3.26	$3.45	$3.64	$123.54
CMS Energy Corporation	CMS	($27.33)	$0.00	$0.72	$1.10	$1.17	$1.24	$1.34	$1.45	$1.56	$1.68	$1.81	$1.94	$2.08	$2.20	$2.33	$2.46	$63.42
DTE Energy Company	DTE	($68.58)	$0.00	$2.01	$2.91	$3.00	$3.09	$3.30	$3.53	$3.78	$4.05	$4.33	$4.64	$4.97	$5.25	$5.55	$5.87	$156.54
SCANA Corporation	SCG	($47.93)	$0.00	$1.42	$2.02	$2.06	$2.10	$2.28	$2.48	$2.70	$2.93	$3.19	$3.48	$3.79	$4.01	$4.23	$4.48	$112.37
TECO Energy, Inc.	TE	($16.93)	$0.00	$0.82	$1.03	$0.97	$0.91	$0.93	$0.94	$0.97	$1.00	$1.04	$1.08	$1.14	$1.20	$1.27	$1.34	$35.55
Vectren Corporation	VVC	($35.51)	$0.00	$1.30	$1.60	$1.49	$1.37	$1.51	$1.65	$1.81	$1.98	$2.16	$2.36	$2.57	$2.72	$2.87	$3.04	$81.80

Multi-Stage Growth Discounted Cash Flow Model - Combination Proxy Group
180 Day Average Stock Price
Low EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term	Payout Ratio			Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	Low Growth	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
Alliant Energy Corporation	LNT	$52.11	5.50%	5.40%	6.00%	5.40%	5.70%	64.00%	58.00%	67.05%	($0.00)	10.14%	15.96	2.80
Black Hills Corporation	BKH	$52.52	4.00%	7.00%	13.00%	4.00%	5.70%	55.00%	54.00%	67.05%	($0.00)	8.24%	28.00	4.91
CMS Energy Corporation	CMS	$27.33	6.00%	6.24%	6.50%	6.00%	5.70%	60.00%	60.00%	67.05%	($0.00)	10.15%	15.95	2.80
DTE Energy Company	DTE	$68.58	6.20%	5.21%	5.00%	5.00%	5.70%	67.00%	61.00%	67.05%	($0.00)	9.92%	16.82	2.95
SCANA Corporation	SCG	$47.93	4.50%	4.60%	5.00%	4.50%	5.70%	59.00%	53.00%	67.05%	($0.00)	10.28%	15.48	2.71
TECO Energy, Inc.	TE	$16.93	5.00%	0.17%	2.00%	0.17%	5.70%	97.00%	71.00%	67.05%	$0.00	9.39%	19.25	3.37
Vectren Corporation	VVC	$35.51	4.70%	4.50%	8.50%	4.50%	5.70%	86.00%	53.00%	67.05%	($0.00)	9.60%	18.18	3.19

	DCF Result	Flotation Cost	DCF Result - w/ Flotation Cost
Mean	9.67%	0.14%	9.81%
Max	10.28%	0.14%	10.42%
Min	8.24%	0.14%	8.37%

Projected Annual Earnings per Share

		[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]	[30]
Company	Ticker	2012	2013	2014	2015	2016	2017	2018	**2019**	2020	2021	2022	2023	**2024**	2025	2026	2027	2028
Alliant Energy Corporation	LNT	$3.05	$3.21	$3.39	$3.57	$3.76	$3.97	$4.18	$4.41	$4.65	$4.91	$5.19	$5.48	$5.79	$6.12	$6.47	$6.84	$7.23
Black Hills Corporation	BKH	$1.97	$2.05	$2.13	$2.22	$2.30	$2.40	$2.49	$2.60	$2.72	$2.85	$3.00	$3.16	$3.34	$3.53	$3.73	$3.94	$4.17
CMS Energy Corporation	CMS	$1.53	$1.62	$1.72	$1.82	$1.93	$2.05	$2.17	$2.30	$2.44	$2.58	$2.73	$2.88	$3.05	$3.22	$3.41	$3.60	$3.81
DTE Energy Company	DTE	$3.88	$4.07	$4.28	$4.49	$4.72	$4.95	$5.20	$5.47	$5.75	$6.06	$6.39	$6.75	$7.13	$7.54	$7.97	$8.42	$8.91
SCANA Corporation	SCG	$3.15	$3.29	$3.44	$3.59	$3.76	$3.93	$4.10	$4.29	$4.51	$4.74	$4.99	$5.26	$5.56	$5.88	$6.21	$6.57	$6.94
TECO Energy, Inc.	TE	$1.14	$1.14	$1.14	$1.15	$1.15	$1.15	$1.15	$1.16	$1.19	$1.22	$1.27	$1.33	$1.41	$1.49	$1.57	$1.66	$1.76
Vectren Corporation	VVC	$1.94	$2.03	$2.12	$2.21	$2.31	$2.42	$2.53	$2.65	$2.77	$2.92	$3.07	$3.24	$3.42	$3.62	$3.83	$4.05	$4.28

Projected Annual Dividend Payout Ratio

			[31]	[32]	[33]	[34]	[35]	[36]	[37]	[38]	[39]	[40]	[41]	[42]	[43]	[44]	[45]	[46]
Company	Ticker		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Alliant Energy Corporation	LNT		64.00%	62.50%	61.00%	59.50%	58.00%	59.29%	60.58%	61.88%	63.17%	64.46%	65.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Black Hills Corporation	BKH		55.00%	54.75%	54.50%	54.25%	54.00%	55.86%	57.73%	59.59%	61.45%	63.32%	65.18%	67.05%	67.05%	67.05%	67.05%	67.05%
CMS Energy Corporation	CMS		60.00%	60.00%	60.00%	60.00%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
DTE Energy Company	DTE		67.00%	65.50%	64.00%	62.50%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
SCANA Corporation	SCG		59.00%	57.50%	56.00%	54.50%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%
TECO Energy, Inc.	TE		97.00%	90.50%	84.00%	77.50%	71.00%	70.44%	69.87%	69.31%	68.74%	68.18%	67.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Vectren Corporation	VVC		86.00%	77.75%	69.50%	61.25%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual Cash Flows

			[47]	[48]	[49]	[50]	[51]	[52]	[53]	[54]	[55]	[56]	[57]	[58]	[59]	[60]	[61]	[62]	[63]
Company	Ticker		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Terminal Value
Alliant Energy Corporation	LNT		$2.06	$2.12	$2.18	$2.24	$2.30	$2.48	$2.67	$2.88	$3.10	$3.34	$3.60	$3.88	$4.10	$4.34	$4.59	$4.85	$115.41
Black Hills Corporation	BKH		$1.13	$1.17	$1.21	$1.25	$1.29	$1.39	$1.50	$1.62	$1.75	$1.90	$2.06	$2.24	$2.37	$2.50	$2.64	$2.80	$116.72
CMS Energy Corporation	CMS		$0.97	$1.03	$1.09	$1.16	$1.23	$1.32	$1.43	$1.53	$1.65	$1.77	$1.90	$2.04	$2.16	$2.28	$2.41	$2.55	$60.70
DTE Energy Company	DTE		$2.73	$2.80	$2.87	$2.95	$3.02	$3.22	$3.43	$3.66	$3.91	$4.17	$4.47	$4.78	$5.06	$5.34	$5.65	$5.97	$149.81
SCANA Corporation	SCG		$1.94	$1.98	$2.01	$2.05	$2.08	$2.26	$2.45	$2.66	$2.89	$3.14	$3.42	$3.73	$3.94	$4.17	$4.40	$4.65	$107.45
TECO Energy, Inc.	TE		$1.11	$1.04	$0.96	$0.89	$0.82	$0.81	$0.81	$0.82	$0.84	$0.87	$0.90	$0.94	$1.00	$1.05	$1.11	$1.18	$33.80
Vectren Corporation	VVC		$1.74	$1.65	$1.54	$1.42	$1.28	$1.39	$1.51	$1.64	$1.78	$1.94	$2.11	$2.30	$2.43	$2.57	$2.71	$2.87	$77.73

Projected Annual Data Investor Cash Flows

		[64]	[65]	[66]	[67]	[68]	[69]	[70]	[71]	[72]	[73]	[74]	[75]	[76]	[77]	[78]	[79]	[80]
Company	Ticker	Initial Outflow	4/15/14	12/31/14	6/30/15	6/30/16	6/30/17	6/30/18	6/30/19	6/30/20	6/30/21	6/30/22	6/30/23	6/30/24	6/30/25	6/30/26	6/30/27	6/30/28
Alliant Energy Corporation	LNT	($52.11)	$0.00	$1.51	$2.18	$2.24	$2.30	$2.48	$2.67	$2.88	$3.10	$3.34	$3.60	$3.88	$4.10	$4.34	$4.59	$120.26
Black Hills Corporation	BKH	($52.52)	$0.00	$0.82	$1.21	$1.25	$1.29	$1.39	$1.50	$1.62	$1.75	$1.90	$2.06	$2.24	$2.37	$2.50	$2.64	$119.51
CMS Energy Corporation	CMS	($27.33)	$0.00	$0.71	$1.09	$1.16	$1.23	$1.32	$1.43	$1.53	$1.65	$1.77	$1.90	$2.04	$2.16	$2.28	$2.41	$63.25
DTE Energy Company	DTE	($68.58)	$0.00	$1.99	$2.87	$2.95	$3.02	$3.22	$3.43	$3.66	$3.91	$4.17	$4.47	$4.78	$5.06	$5.34	$5.65	$155.78
SCANA Corporation	SCG	($47.93)	$0.00	$1.41	$2.01	$2.05	$2.08	$2.26	$2.45	$2.66	$2.89	$3.14	$3.42	$3.73	$3.94	$4.17	$4.40	$112.10
TECO Energy, Inc.	TE	($16.93)	$0.00	$0.79	$0.96	$0.89	$0.82	$0.81	$0.81	$0.82	$0.84	$0.87	$0.90	$0.94	$1.00	$1.05	$1.11	$34.98
Vectren Corporation	VVC	($35.51)	$0.00	$1.27	$1.54	$1.42	$1.28	$1.39	$1.51	$1.64	$1.78	$1.94	$2.11	$2.30	$2.43	$2.57	$2.71	$80.60

Multi-Stage Growth Discounted Cash Flow Model - Combination Proxy Group
180 Day Average Stock Price
High EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term		Payout Ratio		Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	High Growth	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
Alliant Energy Corporation	LNT	$52.11	5.50%	5.40%	6.00%	6.00%	5.70%	64.00%	58.00%	67.05%	($0.00)	10.34%	15.29	2.68
Black Hills Corporation	BKH	$52.52	4.00%	7.00%	13.00%	13.00%	5.70%	55.00%	54.00%	67.05%	($0.00)	10.50%	14.79	2.59
CMS Energy Corporation	CMS	$27.33	6.00%	6.24%	6.50%	6.50%	5.70%	60.00%	60.00%	67.05%	($0.00)	10.31%	15.38	2.70
DTE Energy Company	DTE	$68.58	6.20%	5.21%	5.00%	6.20%	5.70%	67.00%	61.00%	67.05%	($0.00)	10.30%	15.42	2.70
SCANA Corporation	SCG	$47.93	4.50%	4.60%	5.00%	5.00%	5.70%	59.00%	53.00%	67.05%	($0.00)	10.45%	14.93	2.62
TECO Energy, Inc.	TE	$16.93	5.00%	0.17%	2.00%	5.00%	5.70%	97.00%	71.00%	67.05%	($0.00)	11.05%	13.26	2.32
Vectren Corporation	VVC	$35.51	4.70%	4.50%	8.50%	8.50%	5.70%	86.00%	53.00%	67.05%	($0.00)	10.89%	13.67	2.40

	DCF Result	Flotation Cost	DCF Result - w/ Flotation Cost
Mean	10.55%	0.14%	10.69%
Max	11.05%	0.14%	11.19%
Min	10.30%	0.14%	10.44%

Projected Annual Earnings per Share

		[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]	[30]
Company	Ticker	2012	2013	2014	2015	2016	2017	2018	**2019**	2020	2021	2022	2023	**2024**	2025	2026	2027	2028
Alliant Energy Corporation	LNT	$3.05	$3.23	$3.43	$3.63	$3.85	$4.08	$4.33	$4.58	$4.85	$5.14	$5.44	$5.75	$6.08	$6.42	$6.79	$7.18	$7.59
Black Hills Corporation	BKH	$1.97	$2.23	$2.52	$2.84	$3.21	$3.63	$4.10	$4.58	$5.07	$5.54	$5.99	$6.41	$6.77	$7.16	$7.57	$8.00	$8.46
CMS Energy Corporation	CMS	$1.53	$1.63	$1.74	$1.85	$1.97	$2.10	$2.23	$2.37	$2.52	$2.68	$2.84	$3.00	$3.17	$3.35	$3.55	$3.75	$3.96
DTE Energy Company	DTE	$3.88	$4.12	$4.38	$4.65	$4.94	$5.24	$5.57	$5.91	$6.26	$6.64	$7.03	$7.43	$7.86	$8.30	$8.78	$9.28	$9.81
SCANA Corporation	SCG	$3.15	$3.31	$3.47	$3.65	$3.83	$4.02	$4.22	$4.44	$4.67	$4.92	$5.19	$5.48	$5.79	$6.12	$6.47	$6.84	$7.23
TECO Energy, Inc.	TE	$1.14	$1.20	$1.26	$1.32	$1.39	$1.45	$1.53	$1.61	$1.69	$1.78	$1.88	$1.98	$2.10	$2.22	$2.34	$2.48	$2.62
Vectren Corporation	VVC	$1.94	$2.10	$2.28	$2.48	$2.69	$2.92	$3.17	$3.42	$3.68	$3.94	$4.20	$4.46	$4.71	$4.98	$5.27	$5.57	$5.89

Projected Annual Dividend Payout Ratio

			[31]	[32]	[33]	[34]	[35]	[36]	[37]	[38]	[39]	[40]	[41]	[42]	[43]	[44]	[45]	[46]
Company	Ticker		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Alliant Energy Corporation	LNT		64.00%	62.50%	61.00%	59.50%	58.00%	59.29%	60.58%	61.88%	63.17%	64.46%	65.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Black Hills Corporation	BKH		55.00%	54.75%	54.50%	54.25%	54.00%	55.86%	57.73%	59.59%	61.45%	63.32%	65.18%	67.05%	67.05%	67.05%	67.05%	67.05%
CMS Energy Corporation	CMS		60.00%	60.00%	60.00%	60.00%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
DTE Energy Company	DTE		67.00%	65.50%	64.00%	62.50%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
SCANA Corporation	SCG		59.00%	57.50%	56.00%	54.50%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%
TECO Energy, Inc.	TE		97.00%	90.50%	84.00%	77.50%	71.00%	70.44%	69.87%	69.31%	68.74%	68.18%	67.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Vectren Corporation	VVC		86.00%	77.75%	69.50%	61.25%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual Cash Flows

			[47]	[48]	[49]	[50]	[51]	[52]	[53]	[54]	[55]	[56]	[57]	[58]	[59]	[60]	[61]	[62]	[63]
Company	Ticker		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Terminal Value
Alliant Energy Corporation	LNT		$2.07	$2.14	$2.22	$2.29	$2.37	$2.57	$2.78	$3.00	$3.25	$3.50	$3.78	$4.07	$4.31	$4.55	$4.81	$5.09	$116.00
Black Hills Corporation	BKH		$1.22	$1.38	$1.55	$1.74	$1.96	$2.29	$2.65	$3.02	$3.41	$3.80	$4.18	$4.54	$4.80	$5.08	$5.36	$5.67	$125.08
CMS Energy Corporation	CMS		$0.98	$1.04	$1.11	$1.18	$1.26	$1.36	$1.47	$1.59	$1.71	$1.84	$1.98	$2.13	$2.25	$2.38	$2.51	$2.66	$60.95
DTE Energy Company	DTE		$2.76	$2.87	$2.97	$3.08	$3.20	$3.44	$3.71	$3.98	$4.28	$4.59	$4.92	$5.27	$5.57	$5.89	$6.22	$6.58	$151.21
SCANA Corporation	SCG		$1.95	$2.00	$2.04	$2.09	$2.13	$2.32	$2.53	$2.76	$3.00	$3.27	$3.56	$3.88	$4.10	$4.34	$4.59	$4.85	$107.94
TECO Energy, Inc.	TE		$1.16	$1.14	$1.11	$1.07	$1.03	$1.08	$1.12	$1.17	$1.22	$1.28	$1.34	$1.41	$1.49	$1.57	$1.66	$1.75	$34.69
Vectren Corporation	VVC		$1.81	$1.78	$1.72	$1.65	$1.55	$1.74	$1.95	$2.17	$2.40	$2.65	$2.90	$3.16	$3.34	$3.53	$3.73	$3.95	$80.49

Projected Annual Data Investor Cash Flows

		[64]	[65]	[66]	[67]	[68]	[69]	[70]	[71]	[72]	[73]	[74]	[75]	[76]	[77]	[78]	[79]	[80]
		Initial																
Company	Ticker	Outflow	4/15/14	12/31/14	6/30/15	6/30/16	6/30/17	6/30/18	6/30/19	6/30/20	6/30/21	6/30/22	6/30/23	6/30/24	6/30/25	6/30/26	6/30/27	6/30/28
Alliant Energy Corporation	LNT	($52.11)	$0.00	$1.52	$2.22	$2.29	$2.37	$2.57	$2.78	$3.00	$3.25	$3.50	$3.78	$4.07	$4.31	$4.55	$4.81	$121.08
Black Hills Corporation	BKH	($52.52)	$0.00	$0.93	$1.55	$1.74	$1.96	$2.29	$2.65	$3.02	$3.41	$3.80	$4.18	$4.54	$4.80	$5.08	$5.36	$130.75
CMS Energy Corporation	CMS	($27.33)	$0.00	$0.72	$1.11	$1.18	$1.26	$1.36	$1.47	$1.59	$1.71	$1.84	$1.98	$2.13	$2.25	$2.38	$2.51	$63.61
DTE Energy Company	DTE	($68.58)	$0.00	$2.03	$2.97	$3.08	$3.20	$3.44	$3.71	$3.98	$4.28	$4.59	$4.92	$5.27	$5.57	$5.89	$6.22	$157.79
SCANA Corporation	SCG	($47.93)	$0.00	$1.42	$2.04	$2.09	$2.13	$2.32	$2.53	$2.76	$3.00	$3.27	$3.56	$3.88	$4.10	$4.34	$4.59	$112.79
TECO Energy, Inc.	TE	($16.93)	$0.00	$0.85	$1.11	$1.07	$1.03	$1.08	$1.12	$1.17	$1.22	$1.28	$1.34	$1.41	$1.49	$1.57	$1.66	$36.44
Vectren Corporation	VVC	($35.51)	$0.00	$1.34	$1.72	$1.65	$1.55	$1.74	$1.95	$2.17	$2.40	$2.65	$2.90	$3.16	$3.34	$3.53	$3.73	$84.43

Multi-Stage Growth Discounted Cash Flow Model - Electric Proxy Group
30 Day Average Stock Price
Average EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term	Payout Ratio			Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	Average	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
American Electric Power Company, Inc.	AEP	$50.06	4.30%	4.23%	4.50%	4.34%	5.70%	64.00%	63.00%	67.05%	($0.00)	9.94%	16.73	2.93
Cleco Corp.	CNL	$49.74	8.00%	8.00%	4.50%	6.83%	5.70%	54.00%	57.00%	67.05%	($0.00)	10.22%	15.69	2.75
Duke Energy Corporation	DUK	$70.52	3.90%	3.92%	4.00%	3.94%	5.70%	76.00%	63.00%	67.05%	($0.00)	9.36%	19.36	3.39
Empire District Electric Company	EDE	$23.98	3.00%	3.00%	4.00%	3.33%	5.70%	68.00%	64.00%	67.05%	($0.00)	9.35%	19.43	3.41
Great Plains Energy Inc.	GXP	$26.49	5.20%	5.17%	6.00%	5.46%	5.70%	55.00%	66.00%	67.05%	($0.00)	9.64%	18.01	3.16
Hawaiian Electric Industries, Inc.	HE	$24.77	6.00%	4.20%	3.50%	4.57%	5.70%	78.00%	74.00%	67.05%	($0.00)	10.87%	13.72	2.41
IDACORP, Inc.	IDA	$55.09	4.00%	4.00%	2.00%	3.33%	5.70%	45.00%	61.00%	67.05%	($0.00)	9.66%	17.94	3.14
NextEra Energy, Inc.	NEE	$94.11	6.10%	6.48%	4.50%	5.69%	5.70%	54.00%	59.00%	67.05%	($0.00)	9.44%	18.95	3.32
Otter Tail Corporation	OTTR	$30.39	NA	6.00%	15.00%	10.50%	5.70%	87.00%	59.00%	67.05%	($0.00)	9.56%	18.37	3.22
Pinnacle West Capital Corporation	PNW	$54.61	4.60%	4.13%	4.00%	4.24%	5.70%	62.00%	64.00%	67.05%	($0.00)	10.24%	15.62	2.74
PNM Resources, Inc.	PNM	$26.78	7.60%	8.20%	12.00%	9.27%	5.70%	50.00%	51.00%	67.05%	($0.00)	10.45%	14.94	2.62
Portland General Electric Company	POR	$32.09	6.60%	10.89%	3.50%	7.00%	5.70%	66.00%	56.00%	67.05%	($0.00)	10.64%	14.37	2.52
Southern Company	SO	$43.39	3.70%	3.55%	3.50%	3.58%	5.70%	75.00%	72.00%	67.05%	($0.00)	9.99%	16.52	2.90
Westar Energy, Inc.	WR	$34.64	4.30%	2.80%	6.00%	4.37%	5.70%	55.00%	60.00%	67.05%	($0.00)	10.06%	16.27	2.85

	DCF Result	Flotation Cost	DCF Result - w/ Flotation Cost
Mean	9.96%	0.14%	10.10%
Max	10.87%	0.14%	11.01%
Min	9.35%	0.14%	9.49%

Projected Annual
Earnings per Share

Company	Ticker	[14] 2012	[15] 2013	[16] 2014	[17] 2015	[18] 2016	[19] 2017	[20] 2018	[21] **2019**	[22] 2020	[23] 2021	[24] 2022	[25] 2023	[26] **2024**	[27] 2025	[28] 2026	[29] 2027	[30] 2028
American Electric Power Company, Inc.	AEP	$2.98	$3.11	$3.24	$3.39	$3.53	$3.69	$3.85	$4.02	$4.21	$4.43	$4.66	$4.91	$5.19	$5.49	$5.80	$6.14	$6.49
Cleco Corp.	CNL	$2.70	$2.88	$3.08	$3.29	$3.52	$3.76	$4.01	$4.28	$4.56	$4.84	$5.14	$5.44	$5.75	$6.08	$6.43	$6.79	$7.18
Duke Energy Corporation	DUK	$3.71	$3.86	$4.01	$4.17	$4.33	$4.50	$4.68	$4.88	$5.10	$5.34	$5.62	$5.92	$6.26	$6.61	$6.99	$7.39	$7.81
Empire District Electric Company	EDE	$1.32	$1.36	$1.41	$1.46	$1.50	$1.56	$1.61	$1.67	$1.74	$1.81	$1.90	$2.00	$2.12	$2.24	$2.37	$2.50	$2.65
Great Plains Energy Inc.	GXP	$1.35	$1.42	$1.50	$1.58	$1.67	$1.76	$1.86	$1.96	$2.07	$2.18	$2.31	$2.44	$2.58	$2.72	$2.88	$3.04	$3.21
Hawaiian Electric Industries, Inc.	HE	$1.68	$1.76	$1.84	$1.92	$2.01	$2.10	$2.20	$2.30	$2.41	$2.54	$2.67	$2.82	$2.98	$3.15	$3.33	$3.52	$3.72
IDACORP, Inc.	IDA	$3.37	$3.48	$3.60	$3.72	$3.84	$3.97	$4.10	$4.26	$4.43	$4.63	$4.86	$5.12	$5.41	$5.72	$6.04	$6.39	$6.75
NextEra Energy, Inc.	NEE	$4.56	$4.82	$5.09	$5.38	$5.69	$6.01	$6.36	$6.72	$7.10	$7.51	$7.93	$8.39	$8.87	$9.37	$9.91	$10.47	$11.07
Otter Tail Corporation	OTTR	$1.05	$1.16	$1.28	$1.42	$1.57	$1.73	$1.91	$2.10	$2.28	$2.47	$2.65	$2.82	$2.98	$3.15	$3.33	$3.52	$3.72
Pinnacle West Capital Corporation	PNW	$3.50	$3.65	$3.80	$3.96	$4.13	$4.31	$4.49	$4.69	$4.91	$5.16	$5.43	$5.72	$6.05	$6.40	$6.76	$7.15	$7.55
PNM Resources, Inc.	PNM	$1.31	$1.43	$1.56	$1.71	$1.87	$2.04	$2.23	$2.42	$2.62	$2.81	$3.01	$3.20	$3.38	$3.57	$3.78	$3.99	$4.22
Portland General Electric Company	POR	$1.87	$2.00	$2.14	$2.29	$2.45	$2.62	$2.81	$3.00	$3.19	$3.40	$3.60	$3.82	$4.04	$4.27	$4.51	$4.77	$5.04
Southern Company	SO	$2.67	$2.77	$2.86	$2.97	$3.07	$3.18	$3.30	$3.43	$3.57	$3.74	$3.93	$4.14	$4.37	$4.62	$4.89	$5.17	$5.46
Westar Energy, Inc.	WR	$2.15	$2.24	$2.34	$2.44	$2.55	$2.66	$2.78	$2.91	$3.05	$3.20	$3.37	$3.55	$3.75	$3.97	$4.20	$4.43	$4.69

Projected Annual
Dividend Payout Ratio

Company	Ticker	[31] 2013	[32] 2014	[33] 2015	[34] 2016	[35] 2017	[36] 2018	[37] 2019	[38] 2020	[39] 2021	[40] 2022	[41] 2023	[42] 2024	[43] 2025	[44] 2026	[45] 2027	[46] 2028
American Electric Power Company, Inc.	AEP	64.00%	63.75%	63.50%	63.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Cleco Corp.	CNL	54.00%	54.75%	55.50%	56.25%	57.00%	58.44%	59.87%	61.31%	62.74%	64.18%	65.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Duke Energy Corporation	DUK	76.00%	72.75%	69.50%	66.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Empire District Electric Company	EDE	68.00%	67.00%	66.00%	65.00%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Great Plains Energy Inc.	GXP	55.00%	57.75%	60.50%	63.25%	66.00%	66.15%	66.30%	66.45%	66.60%	66.75%	66.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Hawaiian Electric Industries, Inc.	HE	78.00%	77.00%	76.00%	75.00%	74.00%	73.01%	72.01%	71.02%	70.03%	69.03%	68.04%	67.05%	67.05%	67.05%	67.05%	67.05%
IDACORP, Inc.	IDA	45.00%	49.00%	53.00%	57.00%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
NextEra Energy, Inc.	NEE	54.00%	55.25%	56.50%	57.75%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Otter Tail Corporation	OTTR	87.00%	80.00%	73.00%	66.00%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Pinnacle West Capital Corporation	PNW	62.00%	62.50%	63.00%	63.50%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
PNM Resources, Inc.	PNM	50.00%	50.25%	50.50%	50.75%	51.00%	53.29%	55.58%	57.88%	60.17%	62.46%	64.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Portland General Electric Company	POR	66.00%	63.50%	61.00%	58.50%	56.00%	57.58%	59.16%	60.73%	62.31%	63.89%	65.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Southern Company	SO	75.00%	74.25%	73.50%	72.75%	72.00%	71.29%	70.58%	69.88%	69.17%	68.46%	67.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Westar Energy, Inc.	WR	55.00%	56.25%	57.50%	58.75%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual
Cash Flows

Company	Ticker	[47] 2013	[48] 2014	[49] 2015	[50] 2016	[51] 2017	[52] 2018	[53] 2019	[54] 2020	[55] 2021	[56] 2022	[57] 2023	[58] 2024	[59] 2025	[60] 2026	[61] 2027	[62] 2028	[63] Terminal Value
American Electric Power Company, Inc.	AEP	$1.99	$2.07	$2.15	$2.23	$2.32	$2.45	$2.58	$2.73	$2.89	$3.07	$3.27	$3.48	$3.68	$3.89	$4.11	$4.35	$108.48
Cleco Corp.	CNL	$1.56	$1.69	$1.83	$1.98	$2.14	$2.35	$2.56	$2.79	$3.04	$3.30	$3.57	$3.86	$4.08	$4.31	$4.55	$4.81	$112.67
Duke Energy Corporation	DUK	$2.93	$2.92	$2.90	$2.87	$2.84	$2.97	$3.13	$3.30	$3.49	$3.70	$3.93	$4.20	$4.43	$4.69	$4.96	$5.24	$151.28
Empire District Electric Company	EDE	$0.93	$0.94	$0.96	$0.98	$1.00	$1.04	$1.08	$1.13	$1.19	$1.26	$1.34	$1.42	$1.50	$1.59	$1.68	$1.77	$51.39
Great Plains Energy Inc.	GXP	$0.78	$0.87	$0.96	$1.06	$1.16	$1.23	$1.30	$1.37	$1.45	$1.54	$1.63	$1.73	$1.82	$1.93	$2.04	$2.16	$57.92
Hawaiian Electric Industries, Inc.	HE	$1.37	$1.41	$1.46	$1.51	$1.55	$1.60	$1.66	$1.71	$1.78	$1.85	$1.92	$2.00	$2.11	$2.23	$2.36	$2.50	$51.09
IDACORP, Inc.	IDA	$1.57	$1.76	$1.97	$2.19	$2.42	$2.54	$2.67	$2.82	$2.99	$3.17	$3.39	$3.63	$3.83	$4.05	$4.28	$4.53	$121.14
NextEra Energy, Inc.	NEE	$2.60	$2.81	$3.04	$3.29	$3.55	$3.82	$4.12	$4.43	$4.77	$5.14	$5.53	$5.94	$6.28	$6.64	$7.02	$7.42	$209.79
Otter Tail Corporation	OTTR	$1.01	$1.03	$1.03	$1.03	$1.02	$1.15	$1.29	$1.43	$1.57	$1.72	$1.86	$2.00	$2.11	$2.23	$2.36	$2.50	$68.39
Pinnacle West Capital Corporation	PNW	$2.26	$2.38	$2.50	$2.62	$2.76	$2.89	$3.04	$3.21	$3.39	$3.59	$3.81	$4.06	$4.29	$4.53	$4.79	$5.07	$117.97
PNM Resources, Inc.	PNM	$0.72	$0.79	$0.86	$0.95	$1.04	$1.19	$1.35	$1.52	$1.69	$1.88	$2.07	$2.27	$2.40	$2.53	$2.68	$2.83	$63.05
Portland General Electric Company	POR	$1.32	$1.36	$1.40	$1.43	$1.47	$1.62	$1.77	$1.94	$2.12	$2.30	$2.50	$2.71	$2.86	$3.02	$3.20	$3.38	$72.37
Southern Company	SO	$2.07	$2.13	$2.18	$2.24	$2.29	$2.35	$2.42	$2.50	$2.59	$2.69	$2.80	$2.93	$3.10	$3.28	$3.46	$3.66	$90.23
Westar Energy, Inc.	WR	$1.23	$1.32	$1.41	$1.50	$1.60	$1.70	$1.80	$1.92	$2.05	$2.19	$2.35	$2.52	$2.66	$2.81	$2.97	$3.14	$76.28

Projected Annual Data
Investor Cash Flows

Company	Ticker	[64] Initial Outflow	[65] 4/15/14	[66] 12/31/14	[67] 6/30/15	[68] 6/30/16	[69] 6/30/17	[70] 6/30/18	[71] 6/30/19	[72] 6/30/20	[73] 6/30/21	[74] 6/30/22	[75] 6/30/23	[76] 6/30/24	[77] 6/30/25	[78] 6/30/26	[79] 6/30/27	[80] 6/30/28
American Electric Power Company, Inc.	AEP	($50.06)	$0.00	$1.45	$2.15	$2.23	$2.32	$2.45	$2.58	$2.73	$2.89	$3.07	$3.27	$3.48	$3.68	$3.89	$4.11	$112.82
Cleco Corp.	CNL	($49.74)	$0.00	$1.15	$1.83	$1.98	$2.14	$2.35	$2.56	$2.79	$3.04	$3.30	$3.57	$3.86	$4.08	$4.31	$4.55	$117.48
Duke Energy Corporation	DUK	($70.52)	$0.00	$2.13	$2.90	$2.87	$2.84	$2.97	$3.13	$3.30	$3.49	$3.70	$3.93	$4.20	$4.43	$4.69	$4.96	$156.52
Empire District Electric Company	EDE	($23.98)	$0.00	$0.67	$0.96	$0.98	$1.00	$1.04	$1.08	$1.13	$1.19	$1.26	$1.34	$1.42	$1.50	$1.59	$1.68	$53.17
Great Plains Energy Inc.	GXP	($26.49)	$0.00	$0.57	$0.96	$1.06	$1.16	$1.23	$1.30	$1.37	$1.45	$1.54	$1.63	$1.73	$1.82	$1.93	$2.04	$60.07
Hawaiian Electric Industries, Inc.	HE	($24.77)	$0.00	$1.00	$1.46	$1.51	$1.55	$1.60	$1.66	$1.71	$1.78	$1.85	$1.92	$2.00	$2.11	$2.23	$2.36	$53.59
IDACORP, Inc.	IDA	($55.09)	$0.00	$1.13	$1.97	$2.19	$2.42	$2.54	$2.67	$2.82	$2.99	$3.17	$3.39	$3.63	$3.83	$4.05	$4.28	$125.66
NextEra Energy, Inc.	NEE	($94.11)	$0.00	$1.91	$3.04	$3.29	$3.55	$3.82	$4.12	$4.43	$4.77	$5.14	$5.53	$5.94	$6.28	$6.64	$7.02	$217.21
Otter Tail Corporation	OTTR	($30.39)	$0.00	$0.76	$1.03	$1.03	$1.02	$1.15	$1.29	$1.43	$1.57	$1.72	$1.86	$2.00	$2.11	$2.23	$2.36	$70.89
Pinnacle West Capital Corporation	PNW	($54.61)	$0.00	$1.65	$2.50	$2.62	$2.76	$2.89	$3.04	$3.21	$3.39	$3.59	$3.81	$4.06	$4.29	$4.53	$4.79	$123.04
PNM Resources, Inc.	PNM	($26.78)	$0.00	$0.53	$0.86	$0.95	$1.04	$1.19	$1.35	$1.52	$1.69	$1.88	$2.07	$2.27	$2.40	$2.53	$2.68	$65.88
Portland General Electric Company	POR	($32.09)	$0.00	$0.97	$1.40	$1.43	$1.47	$1.62	$1.77	$1.94	$2.12	$2.30	$2.50	$2.71	$2.86	$3.02	$3.20	$75.75
Southern Company	SO	($43.39)	$0.00	$1.50	$2.18	$2.24	$2.29	$2.35	$2.42	$2.50	$2.59	$2.69	$2.80	$2.93	$3.10	$3.28	$3.46	$93.89
Westar Energy, Inc.	WR	($34.64)	$0.00	$0.90	$1.41	$1.50	$1.60	$1.70	$1.80	$1.92	$2.05	$2.19	$2.35	$2.52	$2.66	$2.81	$2.97	$79.43

Multi-Stage Growth Discounted Cash Flow Model - Electric Proxy Group
30 Day Average Stock Price
Low EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term		Payout Ratio		Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	Low Growth	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
American Electric Power Company, Inc.	AEP	$50.06	4.30%	4.23%	4.50%	4.23%	5.70%	64.00%	63.00%	67.05%	($0.00)	9.91%	16.87	2.96
Cleco Corp.	CNL	$49.74	8.00%	8.00%	4.50%	4.50%	5.70%	54.00%	57.00%	67.05%	($0.00)	9.52%	18.58	3.26
Duke Energy Corporation	DUK	$70.52	3.90%	3.92%	4.00%	3.90%	5.70%	76.00%	63.00%	67.05%	($0.00)	9.35%	19.42	3.40
Empire District Electric Company	EDE	$23.98	3.00%	3.00%	4.00%	3.00%	5.70%	68.00%	64.00%	67.05%	($0.00)	9.26%	19.93	3.49
Great Plains Energy Inc.	GXP	$26.49	5.20%	5.17%	6.00%	5.17%	5.70%	55.00%	66.00%	67.05%	($0.00)	9.56%	18.40	3.23
Hawaiian Electric Industries, Inc.	HE	$24.77	6.00%	4.20%	3.50%	3.50%	5.70%	78.00%	74.00%	67.05%	($0.00)	10.47%	14.87	2.61
IDACORP, Inc.	IDA	$55.09	4.00%	4.00%	2.00%	2.00%	5.70%	45.00%	61.00%	67.05%	($0.00)	9.28%	19.85	3.48
NextEra Energy, Inc.	NEE	$94.11	6.10%	6.48%	4.50%	4.50%	5.70%	54.00%	59.00%	67.05%	($0.00)	9.13%	20.70	3.63
Otter Tail Corporation	OTTR	$30.39	NA	6.00%	15.00%	6.00%	5.70%	87.00%	59.00%	67.05%	($0.00)	8.49%	25.44	4.46
Pinnacle West Capital Corporation	PNW	$54.61	4.60%	4.13%	4.00%	4.00%	5.70%	62.00%	64.00%	67.05%	($0.00)	10.16%	15.90	2.79
PNM Resources, Inc.	PNM	$26.78	7.60%	8.20%	12.00%	7.60%	5.70%	50.00%	51.00%	67.05%	($0.00)	9.93%	16.76	2.94
Portland General Electric Company	POR	$32.09	6.60%	10.89%	3.50%	3.50%	5.70%	66.00%	56.00%	67.05%	($0.00)	9.53%	18.51	3.24
Southern Company	SO	$43.39	3.70%	3.55%	3.50%	3.50%	5.70%	75.00%	72.00%	67.05%	($0.00)	9.97%	16.63	2.91
Westar Energy, Inc.	WR	$34.64	4.30%	2.80%	6.00%	2.80%	5.70%	55.00%	60.00%	67.05%	($0.00)	9.58%	18.29	3.21

	DCF Result	Flotation Cost	DCF Result - w/ Flotation Cost
Mean	9.58%	0.14%	9.72%
Max	10.47%	0.14%	10.61%
Min	8.49%	0.14%	8.63%

Projected Annual
Earnings per Share

Company	Ticker	[14] 2012	[15] 2013	[16] 2014	[17] 2015	[18] 2016	[19] 2017	[20] 2018	[21] **2019**	[22] 2020	[23] 2021	[24] 2022	[25] 2023	[26] **2024**	[27] 2025	[28] 2026	[29] 2027	[30] 2028
American Electric Power Company, Inc.	AEP	$2.98	$3.11	$3.24	$3.37	$3.52	$3.67	$3.82	$3.99	$4.18	$4.39	$4.62	$4.87	$5.15	$5.44	$5.75	$6.08	$6.43
Cleco Corp.	CNL	$2.70	$2.82	$2.95	$3.08	$3.22	$3.36	$3.52	$3.68	$3.86	$4.06	$4.27	$4.51	$4.77	$5.04	$5.33	$5.63	$5.95
Duke Energy Corporation	DUK	$3.71	$3.85	$4.01	$4.16	$4.32	$4.49	$4.67	$4.86	$5.08	$5.33	$5.60	$5.90	$6.24	$6.59	$6.97	$7.37	$7.79
Empire District Electric Company	EDE	$1.32	$1.36	$1.40	$1.44	$1.49	$1.53	$1.58	$1.63	$1.69	$1.77	$1.85	$1.95	$2.06	$2.18	$2.30	$2.43	$2.57
Great Plains Energy Inc.	GXP	$1.35	$1.42	$1.49	$1.57	$1.65	$1.74	$1.83	$1.92	$2.03	$2.14	$2.25	$2.38	$2.52	$2.66	$2.81	$2.97	$3.14
Hawaiian Electric Industries, Inc.	HE	$1.68	$1.74	$1.80	$1.86	$1.93	$2.00	$2.07	$2.15	$2.24	$2.34	$2.45	$2.59	$2.73	$2.89	$3.05	$3.23	$3.41
IDACORP, Inc.	IDA	$3.37	$3.44	$3.51	$3.58	$3.65	$3.72	$3.80	$3.89	$4.02	$4.18	$4.36	$4.58	$4.85	$5.12	$5.41	$5.72	$6.05
NextEra Energy, Inc.	NEE	$4.56	$4.77	$4.98	$5.20	$5.44	$5.68	$5.94	$6.22	$6.52	$6.85	$7.22	$7.62	$8.05	$8.51	$8.99	$9.51	$10.05
Otter Tail Corporation	OTTR	$1.05	$1.11	$1.18	$1.25	$1.33	$1.41	$1.49	$1.58	$1.67	$1.77	$1.87	$1.98	$2.09	$2.21	$2.34	$2.47	$2.61
Pinnacle West Capital Corporation	PNW	$3.50	$3.64	$3.79	$3.94	$4.09	$4.26	$4.43	$4.62	$4.83	$5.06	$5.32	$5.61	$5.93	$6.27	$6.63	$7.01	$7.41
PNM Resources, Inc.	PNM	$1.31	$1.41	$1.52	$1.63	$1.76	$1.89	$2.03	$2.18	$2.33	$2.49	$2.65	$2.81	$2.97	$3.13	$3.31	$3.50	$3.70
Portland General Electric Company	POR	$1.87	$1.94	$2.00	$2.07	$2.15	$2.22	$2.30	$2.39	$2.49	$2.60	$2.73	$2.88	$3.04	$3.22	$3.40	$3.59	$3.80
Southern Company	SO	$2.67	$2.76	$2.86	$2.96	$3.06	$3.17	$3.28	$3.41	$3.55	$3.72	$3.90	$4.11	$4.34	$4.59	$4.85	$5.13	$5.42
Westar Energy, Inc.	WR	$2.15	$2.21	$2.27	$2.34	$2.40	$2.47	$2.54	$2.62	$2.72	$2.84	$2.97	$3.12	$3.30	$3.49	$3.69	$3.90	$4.12

Projected Annual
Dividend Payout Ratio

Company	Ticker	[31] 2013	[32] 2014	[33] 2015	[34] 2016	[35] 2017	[36] 2018	[37] 2019	[38] 2020	[39] 2021	[40] 2022	[41] 2023	[42] 2024	[43] 2025	[44] 2026	[45] 2027	[46] 2028
American Electric Power Company, Inc.	AEP	64.00%	63.75%	63.50%	63.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Cleco Corp.	CNL	54.00%	54.75%	55.50%	56.25%	57.00%	58.44%	59.87%	61.31%	62.74%	64.18%	65.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Duke Energy Corporation	DUK	76.00%	72.75%	69.50%	66.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Empire District Electric Company	EDE	68.00%	67.00%	66.00%	65.00%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Great Plains Energy Inc.	GXP	55.00%	57.75%	60.50%	63.25%	66.00%	66.15%	66.30%	66.45%	66.60%	66.75%	66.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Hawaiian Electric Industries, Inc.	HE	78.00%	77.00%	76.00%	75.00%	74.00%	73.01%	72.01%	71.02%	70.03%	69.03%	68.04%	67.05%	67.05%	67.05%	67.05%	67.05%
IDACORP, Inc.	IDA	45.00%	49.00%	53.00%	57.00%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
NextEra Energy, Inc.	NEE	54.00%	55.25%	56.50%	57.75%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Otter Tail Corporation	OTTR	87.00%	80.00%	73.00%	66.00%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Pinnacle West Capital Corporation	PNW	62.00%	62.50%	63.00%	63.50%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
PNM Resources, Inc.	PNM	50.00%	50.25%	50.50%	50.75%	51.00%	53.29%	55.58%	57.88%	60.17%	62.46%	64.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Portland General Electric Company	POR	66.00%	63.50%	61.00%	58.50%	56.00%	57.58%	59.16%	60.73%	62.31%	63.89%	65.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Southern Company	SO	75.00%	74.25%	73.50%	72.75%	72.00%	71.29%	70.58%	69.88%	69.17%	68.46%	67.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Westar Energy, Inc.	WR	55.00%	56.25%	57.50%	58.75%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual
Cash Flows

Company	Ticker	[47] 2013	[48] 2014	[49] 2015	[50] 2016	[51] 2017	[52] 2018	[53] 2019	[54] 2020	[55] 2021	[56] 2022	[57] 2023	[58] 2024	[59] 2025	[60] 2026	[61] 2027	[62] 2028	[63] Terminal Value
American Electric Power Company, Inc.	AEP	$1.99	$2.06	$2.14	$2.22	$2.31	$2.43	$2.56	$2.71	$2.87	$3.04	$3.24	$3.45	$3.65	$3.86	$4.08	$4.31	$108.39
Cleco Corp.	CNL	$1.52	$1.61	$1.71	$1.81	$1.92	$2.05	$2.20	$2.37	$2.55	$2.74	$2.96	$3.20	$3.38	$3.57	$3.77	$3.99	$110.57
Duke Energy Corporation	DUK	$2.93	$2.91	$2.89	$2.86	$2.83	$2.97	$3.12	$3.29	$3.48	$3.69	$3.92	$4.18	$4.42	$4.67	$4.94	$5.22	$151.25
Empire District Electric Company	EDE	$0.92	$0.94	$0.95	$0.97	$0.98	$1.02	$1.06	$1.11	$1.16	$1.23	$1.30	$1.38	$1.46	$1.54	$1.63	$1.73	$51.29
Great Plains Energy Inc.	GXP	$0.78	$0.86	$0.95	$1.04	$1.15	$1.21	$1.27	$1.35	$1.42	$1.50	$1.59	$1.69	$1.78	$1.89	$1.99	$2.11	$57.81
Hawaiian Electric Industries, Inc.	HE	$1.36	$1.39	$1.42	$1.45	$1.48	$1.51	$1.54	$1.59	$1.64	$1.69	$1.76	$1.83	$1.94	$2.05	$2.16	$2.29	$50.75
IDACORP, Inc.	IDA	$1.55	$1.72	$1.90	$2.08	$2.27	$2.35	$2.44	$2.56	$2.69	$2.85	$3.03	$3.25	$3.43	$3.63	$3.84	$4.06	$120.07
NextEra Energy, Inc.	NEE	$2.57	$2.75	$2.94	$3.14	$3.35	$3.57	$3.81	$4.07	$4.36	$4.67	$5.02	$5.40	$5.71	$6.03	$6.37	$6.74	$208.09
Otter Tail Corporation	OTTR	$0.97	$0.94	$0.91	$0.87	$0.83	$0.90	$0.97	$1.04	$1.13	$1.21	$1.30	$1.40	$1.48	$1.57	$1.66	$1.75	$66.47
Pinnacle West Capital Corporation	PNW	$2.26	$2.37	$2.48	$2.60	$2.73	$2.85	$3.00	$3.15	$3.33	$3.52	$3.74	$3.98	$4.20	$4.44	$4.70	$4.97	$117.76
PNM Resources, Inc.	PNM	$0.70	$0.76	$0.82	$0.89	$0.96	$1.08	$1.21	$1.35	$1.50	$1.65	$1.82	$1.99	$2.10	$2.22	$2.35	$2.48	$62.04
Portland General Electric Company	POR	$1.28	$1.27	$1.26	$1.26	$1.24	$1.32	$1.41	$1.51	$1.62	$1.75	$1.88	$2.04	$2.16	$2.28	$2.41	$2.55	$70.32
Southern Company	SO	$2.07	$2.12	$2.18	$2.23	$2.28	$2.34	$2.41	$2.48	$2.57	$2.67	$2.78	$2.91	$3.08	$3.25	$3.44	$3.64	$90.19
Westar Energy, Inc.	WR	$1.22	$1.28	$1.34	$1.41	$1.48	$1.55	$1.63	$1.71	$1.82	$1.93	$2.06	$2.21	$2.34	$2.47	$2.62	$2.76	$75.42

Projected Annual Data
Investor Cash Flows

Company	Ticker	[64] Initial Outflow	[65] 4/15/14	[66] 12/31/14	[67] 6/30/15	[68] 6/30/16	[69] 6/30/17	[70] 6/30/18	[71] 6/30/19	[72] 6/30/20	[73] 6/30/21	[74] 6/30/22	[75] 6/30/23	[76] 6/30/24	[77] 6/30/25	[78] 6/30/26	[79] 6/30/27	[80] 6/30/28
American Electric Power Company, Inc.	AEP	($50.06)	$0.00	$1.45	$2.14	$2.22	$2.31	$2.43	$2.56	$2.71	$2.87	$3.04	$3.24	$3.45	$3.65	$3.86	$4.08	$112.70
Cleco Corp.	CNL	($49.74)	$0.00	$1.11	$1.71	$1.81	$1.92	$2.05	$2.20	$2.37	$2.55	$2.74	$2.96	$3.20	$3.38	$3.57	$3.77	$114.56
Duke Energy Corporation	DUK	($70.52)	$0.00	$2.13	$2.89	$2.86	$2.83	$2.97	$3.12	$3.29	$3.48	$3.69	$3.92	$4.18	$4.42	$4.67	$4.94	$156.47
Empire District Electric Company	EDE	($23.98)	$0.00	$0.67	$0.95	$0.97	$0.98	$1.02	$1.06	$1.11	$1.16	$1.23	$1.30	$1.38	$1.46	$1.54	$1.63	$53.02
Great Plains Energy Inc.	GXP	($26.49)	$0.00	$0.57	$0.95	$1.04	$1.15	$1.21	$1.27	$1.35	$1.42	$1.50	$1.59	$1.69	$1.78	$1.89	$1.99	$59.91
Hawaiian Electric Industries, Inc.	HE	($24.77)	$0.00	$0.98	$1.42	$1.45	$1.48	$1.51	$1.54	$1.59	$1.64	$1.69	$1.76	$1.83	$1.94	$2.05	$2.16	$53.03
IDACORP, Inc.	IDA	($55.09)	$0.00	$1.11	$1.90	$2.08	$2.27	$2.35	$2.44	$2.56	$2.69	$2.85	$3.03	$3.25	$3.43	$3.63	$3.84	$124.13
NextEra Energy, Inc.	NEE	($94.11)	$0.00	$1.87	$2.94	$3.14	$3.35	$3.57	$3.81	$4.07	$4.36	$4.67	$5.02	$5.40	$5.71	$6.03	$6.37	$214.83
Otter Tail Corporation	OTTR	($30.39)	$0.00	$0.71	$0.91	$0.87	$0.83	$0.90	$0.97	$1.04	$1.13	$1.21	$1.30	$1.40	$1.48	$1.57	$1.66	$68.22
Pinnacle West Capital Corporation	PNW	($54.61)	$0.00	$1.64	$2.48	$2.60	$2.73	$2.85	$3.00	$3.15	$3.33	$3.52	$3.74	$3.98	$4.20	$4.44	$4.70	$122.73
PNM Resources, Inc.	PNM	($26.78)	$0.00	$0.52	$0.82	$0.89	$0.96	$1.08	$1.21	$1.35	$1.50	$1.65	$1.82	$1.99	$2.10	$2.22	$2.35	$64.52
Portland General Electric Company	POR	($32.09)	$0.00	$0.93	$1.26	$1.26	$1.24	$1.32	$1.41	$1.51	$1.62	$1.75	$1.88	$2.04	$2.16	$2.28	$2.41	$72.87
Southern Company	SO	($43.39)	$0.00	$1.50	$2.18	$2.23	$2.28	$2.34	$2.41	$2.48	$2.57	$2.67	$2.78	$2.91	$3.08	$3.25	$3.44	$93.83
Westar Energy, Inc.	WR	($34.64)	$0.00	$0.88	$1.34	$1.41	$1.48	$1.55	$1.63	$1.71	$1.82	$1.93	$2.06	$2.21	$2.34	$2.47	$2.62	$78.18

Multi-Stage Growth Discounted Cash Flow Model - Electric Proxy Group
30 Day Average Stock Price
High EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term		Payout Ratio		Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	High Growth	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
American Electric Power Company, Inc.	AEP	$50.06	4.30%	4.23%	4.50%	4.50%	5.70%	64.00%	63.00%	67.05%	($0.00)	9.99%	16.53	2.90
Cleco Corp.	CNL	$49.74	8.00%	8.00%	4.50%	8.00%	5.70%	54.00%	57.00%	67.05%	($0.00)	10.61%	14.46	2.54
Duke Energy Corporation	DUK	$70.52	3.90%	3.92%	4.00%	4.00%	5.70%	76.00%	63.00%	67.05%	($0.00)	9.38%	19.28	3.38
Empire District Electric Company	EDE	$23.98	3.00%	3.00%	4.00%	4.00%	5.70%	68.00%	64.00%	67.05%	($0.00)	9.54%	18.47	3.24
Great Plains Energy Inc.	GXP	$26.49	5.20%	5.17%	6.00%	6.00%	5.70%	55.00%	66.00%	67.05%	($0.00)	9.80%	17.31	3.03
Hawaiian Electric Industries, Inc.	HE	$24.77	6.00%	4.20%	3.50%	6.00%	5.70%	78.00%	74.00%	67.05%	($0.00)	11.44%	12.35	2.17
IDACORP, Inc.	IDA	$55.09	4.00%	4.00%	2.00%	4.00%	5.70%	45.00%	61.00%	67.05%	($0.00)	9.86%	17.07	2.99
NextEra Energy, Inc.	NEE	$94.11	6.10%	6.48%	4.50%	6.48%	5.70%	54.00%	59.00%	67.05%	($0.00)	9.66%	17.90	3.14
Otter Tail Corporation	OTTR	$30.39	NA	6.00%	15.00%	15.00%	5.70%	87.00%	59.00%	67.05%	($0.00)	10.92%	13.59	2.38
Pinnacle West Capital Corporation	PNW	$54.61	4.60%	4.13%	4.00%	4.60%	5.70%	62.00%	64.00%	67.05%	($0.00)	10.36%	15.21	2.67
PNM Resources, Inc.	PNM	$26.78	7.60%	8.20%	12.00%	12.00%	5.70%	50.00%	51.00%	67.05%	($0.00)	11.39%	12.47	2.19
Portland General Electric Company	POR	$32.09	6.60%	10.89%	3.50%	10.89%	5.70%	66.00%	56.00%	67.05%	($0.00)	12.12%	11.05	1.94
Southern Company	SO	$43.39	3.70%	3.55%	3.50%	3.70%	5.70%	75.00%	72.00%	67.05%	($0.00)	10.03%	16.38	2.87
Westar Energy, Inc.	WR	$34.64	4.30%	2.80%	6.00%	6.00%	5.70%	55.00%	60.00%	67.05%	($0.00)	10.61%	14.46	2.53

	DCF Result	Flotation Cost	DCF Result - w/ Flotation Cost
Mean	10.41%	0.14%	10.55%
Max	12.12%	0.14%	12.26%
Min	9.38%	0.14%	9.52%

Projected Annual
Earnings per Share

Company	Ticker	[14] 2012	[15] 2013	[16] 2014	[17] 2015	[18] 2016	[19] 2017	[20] 2018	[21] **2019**	[22] 2020	[23] 2021	[24] 2022	[25] 2023	[26] **2024**	[27] 2025	[28] 2026	[29] 2027	[30] 2028
American Electric Power Company, Inc.	AEP	$2.98	$3.11	$3.25	$3.40	$3.55	$3.71	$3.88	$4.06	$4.26	$4.48	$4.72	$4.98	$5.26	$5.56	$5.88	$6.21	$6.57
Cleco Corp.	CNL	$2.70	$2.92	$3.15	$3.40	$3.67	$3.97	$4.28	$4.61	$4.94	$5.28	$5.63	$5.97	$6.31	$6.67	$7.05	$7.45	$7.88
Duke Energy Corporation	DUK	$3.71	$3.86	$4.01	$4.17	$4.34	$4.51	$4.69	$4.90	$5.12	$5.37	$5.64	$5.95	$6.29	$6.65	$7.03	$7.43	$7.85
Empire District Electric Company	EDE	$1.32	$1.37	$1.43	$1.48	$1.54	$1.61	$1.67	$1.74	$1.82	$1.91	$2.01	$2.12	$2.24	$2.37	$2.50	$2.64	$2.79
Great Plains Energy Inc.	GXP	$1.35	$1.43	$1.52	$1.61	$1.70	$1.81	$1.92	$2.03	$2.15	$2.27	$2.41	$2.54	$2.69	$2.84	$3.01	$3.18	$3.36
Hawaiian Electric Industries, Inc.	HE	$1.68	$1.78	$1.89	$2.00	$2.12	$2.25	$2.38	$2.52	$2.67	$2.83	$2.99	$3.17	$3.35	$3.54	$3.74	$3.95	$4.18
IDACORP, Inc.	IDA	$3.37	$3.50	$3.64	$3.79	$3.94	$4.10	$4.26	$4.45	$4.65	$4.88	$5.13	$5.40	$5.71	$6.04	$6.38	$6.75	$7.13
NextEra Energy, Inc.	NEE	$4.56	$4.86	$5.17	$5.51	$5.86	$6.24	$6.65	$7.07	$7.51	$7.97	$8.44	$8.93	$9.44	$9.98	$10.55	$11.15	$11.79
Otter Tail Corporation	OTTR	$1.05	$1.21	$1.39	$1.60	$1.84	$2.11	$2.43	$2.76	$3.08	$3.40	$3.70	$3.97	$4.20	$4.44	$4.69	$4.96	$5.24
Pinnacle West Capital Corporation	PNW	$3.50	$3.66	$3.83	$4.01	$4.19	$4.38	$4.58	$4.80	$5.04	$5.30	$5.58	$5.89	$6.23	$6.58	$6.96	$7.36	$7.78
PNM Resources, Inc.	PNM	$1.31	$1.47	$1.64	$1.84	$2.06	$2.31	$2.59	$2.87	$3.15	$3.43	$3.70	$3.95	$4.18	$4.41	$4.66	$4.93	$5.21
Portland General Electric Company	POR	$1.87	$2.07	$2.30	$2.55	$2.83	$3.14	$3.48	$3.83	$4.18	$4.52	$4.86	$5.18	$5.47	$5.79	$6.12	$6.46	$6.83
Southern Company	SO	$2.67	$2.77	$2.87	$2.98	$3.09	$3.20	$3.32	$3.45	$3.61	$3.77	$3.96	$4.18	$4.42	$4.67	$4.93	$5.22	$5.51
Westar Energy, Inc.	WR	$2.15	$2.28	$2.42	$2.56	$2.71	$2.88	$3.05	$3.23	$3.42	$3.62	$3.83	$4.05	$4.28	$4.53	$4.79	$5.06	$5.35

Projected Annual
Dividend Payout Ratio

Company	Ticker	[31] 2013	[32] 2014	[33] 2015	[34] 2016	[35] 2017	[36] 2018	[37] 2019	[38] 2020	[39] 2021	[40] 2022	[41] 2023	[42] 2024	[43] 2025	[44] 2026	[45] 2027	[46] 2028
American Electric Power Company, Inc.	AEP	64.00%	63.75%	63.50%	63.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Cleco Corp.	CNL	54.00%	54.75%	55.50%	56.25%	57.00%	58.44%	59.87%	61.31%	62.74%	64.18%	65.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Duke Energy Corporation	DUK	76.00%	72.75%	69.50%	66.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Empire District Electric Company	EDE	68.00%	67.00%	66.00%	65.00%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Great Plains Energy Inc.	GXP	55.00%	57.75%	60.50%	63.25%	66.00%	66.15%	66.30%	66.45%	66.60%	66.75%	66.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Hawaiian Electric Industries, Inc.	HE	78.00%	77.00%	76.00%	75.00%	74.00%	73.01%	72.01%	71.02%	70.03%	69.03%	68.04%	67.05%	67.05%	67.05%	67.05%	67.05%
IDACORP, Inc.	IDA	45.00%	49.00%	53.00%	57.00%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
NextEra Energy, Inc.	NEE	54.00%	55.25%	56.50%	57.75%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Otter Tail Corporation	OTTR	87.00%	80.00%	73.00%	66.00%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Pinnacle West Capital Corporation	PNW	62.00%	62.50%	63.00%	63.50%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
PNM Resources, Inc.	PNM	50.00%	50.25%	50.50%	50.75%	51.00%	53.29%	55.58%	57.88%	60.17%	62.46%	64.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Portland General Electric Company	POR	66.00%	63.50%	61.00%	58.50%	56.00%	57.58%	59.16%	60.73%	62.31%	63.89%	65.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Southern Company	SO	75.00%	74.25%	73.50%	72.75%	72.00%	71.29%	70.58%	69.88%	69.17%	68.46%	67.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Westar Energy, Inc.	WR	55.00%	56.25%	57.50%	58.75%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual
Cash Flows

Company	Ticker	[47] 2013	[48] 2014	[49] 2015	[50] 2016	[51] 2017	[52] 2018	[53] 2019	[54] 2020	[55] 2021	[56] 2022	[57] 2023	[58] 2024	[59] 2025	[60] 2026	[61] 2027	[62] 2028	[63] Terminal Value
American Electric Power Company, Inc.	AEP	$1.99	$2.07	$2.16	$2.25	$2.34	$2.47	$2.61	$2.76	$2.93	$3.11	$3.31	$3.53	$3.73	$3.94	$4.17	$4.40	$108.59
Cleco Corp.	CNL	$1.57	$1.72	$1.89	$2.07	$2.26	$2.50	$2.76	$3.03	$3.31	$3.61	$3.92	$4.23	$4.47	$4.73	$5.00	$5.28	$113.89
Duke Energy Corporation	DUK	$2.93	$2.92	$2.90	$2.88	$2.84	$2.98	$3.14	$3.31	$3.51	$3.72	$3.95	$4.22	$4.46	$4.71	$4.98	$5.26	$151.34
Empire District Electric Company	EDE	$0.93	$0.96	$0.98	$1.00	$1.03	$1.08	$1.13	$1.19	$1.26	$1.33	$1.41	$1.50	$1.59	$1.68	$1.77	$1.87	$51.60
Great Plains Energy Inc.	GXP	$0.79	$0.88	$0.97	$1.08	$1.19	$1.27	$1.35	$1.43	$1.51	$1.61	$1.70	$1.80	$1.91	$2.02	$2.13	$2.25	$58.13
Hawaiian Electric Industries, Inc.	HE	$1.39	$1.45	$1.52	$1.59	$1.66	$1.74	$1.82	$1.90	$1.98	$2.07	$2.15	$2.24	$2.37	$2.51	$2.65	$2.80	$51.63
IDACORP, Inc.	IDA	$1.58	$1.79	$2.01	$2.25	$2.50	$2.64	$2.79	$2.96	$3.14	$3.35	$3.58	$3.83	$4.05	$4.28	$4.52	$4.78	$121.72
NextEra Energy, Inc.	NEE	$2.62	$2.86	$3.11	$3.39	$3.68	$4.00	$4.33	$4.69	$5.07	$5.46	$5.89	$6.33	$6.69	$7.07	$7.48	$7.90	$211.01
Otter Tail Corporation	OTTR	$1.05	$1.11	$1.17	$1.21	$1.25	$1.46	$1.69	$1.93	$2.16	$2.40	$2.62	$2.81	$2.97	$3.14	$3.32	$3.51	$71.22
Pinnacle West Capital Corporation	PNW	$2.27	$2.39	$2.52	$2.66	$2.80	$2.95	$3.12	$3.29	$3.49	$3.70	$3.93	$4.18	$4.41	$4.67	$4.93	$5.21	$118.29
PNM Resources, Inc.	PNM	$0.73	$0.83	$0.93	$1.05	$1.18	$1.38	$1.59	$1.82	$2.07	$2.31	$2.56	$2.80	$2.96	$3.13	$3.31	$3.49	$65.01
Portland General Electric Company	POR	$1.37	$1.46	$1.56	$1.65	$1.76	$2.00	$2.26	$2.54	$2.82	$3.10	$3.39	$3.67	$3.88	$4.10	$4.33	$4.58	$75.50
Southern Company	SO	$2.08	$2.13	$2.19	$2.25	$2.31	$2.37	$2.44	$2.52	$2.61	$2.71	$2.83	$2.96	$3.13	$3.31	$3.50	$3.70	$90.29
Westar Energy, Inc.	WR	$1.25	$1.36	$1.47	$1.59	$1.73	$1.86	$2.00	$2.16	$2.32	$2.49	$2.68	$2.87	$3.04	$3.21	$3.39	$3.59	$77.33

Projected Annual Data
Investor Cash Flows

Company	Ticker	[64] Initial Outflow	[65] 4/15/14	[66] 12/31/14	[67] 6/30/15	[68] 6/30/16	[69] 6/30/17	[70] 6/30/18	[71] 6/30/19	[72] 6/30/20	[73] 6/30/21	[74] 6/30/22	[75] 6/30/23	[76] 6/30/24	[77] 6/30/25	[78] 6/30/26	[79] 6/30/27	[80] 6/30/28
American Electric Power Company, Inc.	AEP	($50.06)	$0.00	$1.45	$2.16	$2.25	$2.34	$2.47	$2.61	$2.76	$2.93	$3.11	$3.31	$3.53	$3.73	$3.94	$4.17	$113.00
Cleco Corp.	CNL	($49.74)	$0.00	$1.17	$1.89	$2.07	$2.26	$2.50	$2.76	$3.03	$3.31	$3.61	$3.92	$4.23	$4.47	$4.73	$5.00	$119.17
Duke Energy Corporation	DUK	($70.52)	$0.00	$2.13	$2.90	$2.88	$2.84	$2.98	$3.14	$3.31	$3.51	$3.72	$3.95	$4.22	$4.46	$4.71	$4.98	$156.60
Empire District Electric Company	EDE	($23.98)	$0.00	$0.68	$0.98	$1.00	$1.03	$1.08	$1.13	$1.19	$1.26	$1.33	$1.41	$1.50	$1.59	$1.68	$1.77	$53.47
Great Plains Energy Inc.	GXP	($26.49)	$0.00	$0.58	$0.97	$1.08	$1.19	$1.27	$1.35	$1.43	$1.51	$1.61	$1.70	$1.80	$1.91	$2.02	$2.13	$60.38
Hawaiian Electric Industries, Inc.	HE	($24.77)	$0.00	$1.02	$1.52	$1.59	$1.66	$1.74	$1.82	$1.90	$1.98	$2.07	$2.15	$2.24	$2.37	$2.51	$2.65	$54.44
IDACORP, Inc.	IDA	($55.09)	$0.00	$1.15	$2.01	$2.25	$2.50	$2.64	$2.79	$2.96	$3.14	$3.35	$3.58	$3.83	$4.05	$4.28	$4.52	$126.50
NextEra Energy, Inc.	NEE	($94.11)	$0.00	$1.93	$3.11	$3.39	$3.68	$4.00	$4.33	$4.69	$5.07	$5.46	$5.89	$6.33	$6.69	$7.07	$7.48	$218.91
Otter Tail Corporation	OTTR	($30.39)	$0.00	$0.80	$1.17	$1.21	$1.25	$1.46	$1.69	$1.93	$2.16	$2.40	$2.62	$2.81	$2.97	$3.14	$3.32	$74.73
Pinnacle West Capital Corporation	PNW	($54.61)	$0.00	$1.65	$2.52	$2.66	$2.80	$2.95	$3.12	$3.29	$3.49	$3.70	$3.93	$4.18	$4.41	$4.67	$4.93	$123.51
PNM Resources, Inc.	PNM	($26.78)	$0.00	$0.55	$0.93	$1.05	$1.18	$1.38	$1.59	$1.82	$2.07	$2.31	$2.56	$2.80	$2.96	$3.13	$3.31	$68.50
Portland General Electric Company	POR	($32.09)	$0.00	$1.03	$1.56	$1.65	$1.76	$2.00	$2.26	$2.54	$2.82	$3.10	$3.39	$3.67	$3.88	$4.10	$4.33	$80.08
Southern Company	SO	($43.39)	$0.00	$1.51	$2.19	$2.25	$2.31	$2.37	$2.44	$2.52	$2.61	$2.71	$2.83	$2.96	$3.13	$3.31	$3.50	$93.99
Westar Energy, Inc.	WR	($34.64)	$0.00	$0.92	$1.47	$1.59	$1.73	$1.86	$2.00	$2.16	$2.32	$2.49	$2.68	$2.87	$3.04	$3.21	$3.39	$80.92

Multi-Stage Growth Discounted Cash Flow Model - Electric Proxy Group
90 Day Average Stock Price
Average EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term		Payout Ratio		Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	Average	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
American Electric Power Company, Inc.	AEP	$48.45	4.30%	4.23%	4.50%	4.34%	5.70%	64.00%	63.00%	67.05%	($0.00)	10.09%	16.18	2.84
Cleco Corp.	CNL	$48.20	8.00%	8.00%	4.50%	6.83%	5.70%	54.00%	57.00%	67.05%	($0.00)	10.36%	15.22	2.67
Duke Energy Corporation	DUK	$69.79	3.90%	3.92%	4.00%	3.94%	5.70%	76.00%	63.00%	67.05%	($0.00)	9.40%	19.16	3.36
Empire District Electric Company	EDE	$23.23	3.00%	3.00%	4.00%	3.33%	5.70%	68.00%	64.00%	67.05%	($0.00)	9.47%	18.81	3.30
Great Plains Energy Inc.	GXP	$25.25	5.20%	5.17%	6.00%	5.46%	5.70%	55.00%	66.00%	67.05%	($0.00)	9.83%	17.16	3.01
Hawaiian Electric Industries, Inc.	HE	$25.45	6.00%	4.20%	3.50%	4.57%	5.70%	78.00%	74.00%	67.05%	($0.00)	10.72%	14.12	2.48
IDACORP, Inc.	IDA	$53.48	4.00%	4.00%	2.00%	3.33%	5.70%	45.00%	61.00%	67.05%	($0.00)	9.77%	17.41	3.05
NextEra Energy, Inc.	NEE	$89.87	6.10%	6.48%	4.50%	5.69%	5.70%	54.00%	59.00%	67.05%	($0.00)	9.62%	18.11	3.17
Otter Tail Corporation	OTTR	$29.45	NA	6.00%	15.00%	10.50%	5.70%	87.00%	59.00%	67.05%	($0.00)	9.68%	17.82	3.12
Pinnacle West Capital Corporation	PNW	$53.65	4.60%	4.13%	4.00%	4.24%	5.70%	62.00%	64.00%	67.05%	($0.00)	10.33%	15.34	2.69
PNM Resources, Inc.	PNM	$25.19	7.60%	8.20%	12.00%	9.27%	5.70%	50.00%	51.00%	67.05%	($0.00)	10.73%	14.10	2.47
Portland General Electric Company	POR	$30.80	6.60%	10.89%	3.50%	7.00%	5.70%	66.00%	56.00%	67.05%	($0.00)	10.84%	13.80	2.42
Southern Company	SO	$41.96	3.70%	3.55%	3.50%	3.58%	5.70%	75.00%	72.00%	67.05%	($0.00)	10.15%	15.95	2.80
Westar Energy, Inc.	WR	$33.44	4.30%	2.80%	6.00%	4.37%	5.70%	55.00%	60.00%	67.05%	($0.00)	10.22%	15.71	2.75

	DCF Result	Flotation Cost	DCF Result - w/ Flotation Cost
Mean	10.09%	0.14%	10.23%
Max	10.84%	0.14%	10.98%
Min	9.40%	0.14%	9.54%

Projected Annual
Earnings per Share

Company	Ticker	[14] 2012	[15] 2013	[16] 2014	[17] 2015	[18] 2016	[19] 2017	[20] 2018	[21] **2019**	[22] 2020	[23] 2021	[24] 2022	[25] 2023	[26] **2024**	[27] 2025	[28] 2026	[29] 2027	[30] 2028
American Electric Power Company, Inc.	AEP	$2.98	$3.11	$3.24	$3.39	$3.53	$3.69	$3.85	$4.02	$4.21	$4.43	$4.66	$4.91	$5.19	$5.49	$5.80	$6.14	$6.49
Cleco Corp.	CNL	$2.70	$2.88	$3.08	$3.29	$3.52	$3.76	$4.01	$4.28	$4.56	$4.84	$5.14	$5.44	$5.75	$6.08	$6.43	$6.79	$7.18
Duke Energy Corporation	DUK	$3.71	$3.86	$4.01	$4.17	$4.33	$4.50	$4.68	$4.88	$5.10	$5.34	$5.62	$5.92	$6.26	$6.61	$6.99	$7.39	$7.81
Empire District Electric Company	EDE	$1.32	$1.36	$1.41	$1.46	$1.50	$1.56	$1.61	$1.67	$1.74	$1.81	$1.90	$2.00	$2.12	$2.24	$2.37	$2.50	$2.65
Great Plains Energy Inc.	GXP	$1.35	$1.42	$1.50	$1.58	$1.67	$1.76	$1.86	$1.96	$2.07	$2.18	$2.31	$2.44	$2.58	$2.72	$2.88	$3.04	$3.21
Hawaiian Electric Industries, Inc.	HE	$1.68	$1.76	$1.84	$1.92	$2.01	$2.10	$2.20	$2.30	$2.41	$2.54	$2.67	$2.82	$2.98	$3.15	$3.33	$3.52	$3.72
IDACORP, Inc.	IDA	$3.37	$3.48	$3.60	$3.72	$3.84	$3.97	$4.10	$4.26	$4.43	$4.63	$4.86	$5.12	$5.41	$5.72	$6.04	$6.39	$6.75
NextEra Energy, Inc.	NEE	$4.56	$4.82	$5.09	$5.38	$5.69	$6.01	$6.36	$6.72	$7.10	$7.51	$7.93	$8.39	$8.87	$9.37	$9.91	$10.47	$11.07
Otter Tail Corporation	OTTR	$1.05	$1.16	$1.28	$1.42	$1.57	$1.73	$1.91	$2.10	$2.28	$2.47	$2.65	$2.82	$2.98	$3.15	$3.33	$3.52	$3.72
Pinnacle West Capital Corporation	PNW	$3.50	$3.65	$3.80	$3.96	$4.13	$4.31	$4.49	$4.69	$4.91	$5.16	$5.43	$5.72	$6.05	$6.40	$6.76	$7.15	$7.55
PNM Resources, Inc.	PNM	$1.31	$1.43	$1.56	$1.71	$1.87	$2.04	$2.23	$2.42	$2.62	$2.81	$3.01	$3.20	$3.38	$3.57	$3.78	$3.99	$4.22
Portland General Electric Company	POR	$1.87	$2.00	$2.14	$2.29	$2.45	$2.62	$2.81	$3.00	$3.19	$3.40	$3.60	$3.82	$4.04	$4.27	$4.51	$4.77	$5.04
Southern Company	SO	$2.67	$2.77	$2.86	$2.97	$3.07	$3.18	$3.30	$3.43	$3.57	$3.74	$3.93	$4.14	$4.37	$4.62	$4.89	$5.17	$5.46
Westar Energy, Inc.	WR	$2.15	$2.24	$2.34	$2.44	$2.55	$2.66	$2.78	$2.91	$3.05	$3.20	$3.37	$3.55	$3.75	$3.97	$4.20	$4.43	$4.69

Projected Annual
Dividend Payout Ratio

Company	Ticker	[31] 2013	[32] 2014	[33] 2015	[34] 2016	[35] 2017	[36] 2018	[37] 2019	[38] 2020	[39] 2021	[40] 2022	[41] 2023	[42] 2024	[43] 2025	[44] 2026	[45] 2027	[46] 2028
American Electric Power Company, Inc.	AEP	64.00%	63.75%	63.50%	63.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Cleco Corp.	CNL	54.00%	54.75%	55.50%	56.25%	57.00%	58.44%	59.87%	61.31%	62.74%	64.18%	65.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Duke Energy Corporation	DUK	76.00%	72.75%	69.50%	66.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Empire District Electric Company	EDE	68.00%	67.00%	66.00%	65.00%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Great Plains Energy Inc.	GXP	55.00%	57.75%	60.50%	63.25%	66.00%	66.15%	66.30%	66.45%	66.60%	66.75%	66.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Hawaiian Electric Industries, Inc.	HE	78.00%	77.00%	76.00%	75.00%	74.00%	73.01%	72.01%	71.02%	70.03%	69.03%	68.04%	67.05%	67.05%	67.05%	67.05%	67.05%
IDACORP, Inc.	IDA	45.00%	49.00%	53.00%	57.00%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
NextEra Energy, Inc.	NEE	54.00%	55.25%	56.50%	57.75%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Otter Tail Corporation	OTTR	87.00%	80.00%	73.00%	66.00%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Pinnacle West Capital Corporation	PNW	62.00%	62.50%	63.00%	63.50%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
PNM Resources, Inc.	PNM	50.00%	50.25%	50.50%	50.75%	51.00%	53.29%	55.58%	57.88%	60.17%	62.46%	64.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Portland General Electric Company	POR	66.00%	63.50%	61.00%	58.50%	56.00%	57.58%	59.16%	60.73%	62.31%	63.89%	65.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Southern Company	SO	75.00%	74.25%	73.50%	72.75%	72.00%	71.29%	70.58%	69.88%	69.17%	68.46%	67.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Westar Energy, Inc.	WR	55.00%	56.25%	57.50%	58.75%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual
Cash Flows

Company	Ticker	[47] 2013	[48] 2014	[49] 2015	[50] 2016	[51] 2017	[52] 2018	[53] 2019	[54] 2020	[55] 2021	[56] 2022	[57] 2023	[58] 2024	[59] 2025	[60] 2026	[61] 2027	[62] 2028	[63] Terminal Value
American Electric Power Company, Inc.	AEP	$1.99	$2.07	$2.15	$2.23	$2.32	$2.45	$2.58	$2.73	$2.89	$3.07	$3.27	$3.48	$3.68	$3.89	$4.11	$4.35	$104.91
Cleco Corp.	CNL	$1.56	$1.69	$1.83	$1.98	$2.14	$2.35	$2.56	$2.79	$3.04	$3.30	$3.57	$3.86	$4.08	$4.31	$4.55	$4.81	$109.26
Duke Energy Corporation	DUK	$2.93	$2.92	$2.90	$2.87	$2.84	$2.97	$3.13	$3.30	$3.49	$3.70	$3.93	$4.20	$4.43	$4.69	$4.96	$5.24	$149.66
Empire District Electric Company	EDE	$0.93	$0.94	$0.96	$0.98	$1.00	$1.04	$1.08	$1.13	$1.19	$1.26	$1.34	$1.42	$1.50	$1.59	$1.68	$1.77	$49.75
Great Plains Energy Inc.	GXP	$0.78	$0.87	$0.96	$1.06	$1.16	$1.23	$1.30	$1.37	$1.45	$1.54	$1.63	$1.73	$1.82	$1.93	$2.04	$2.16	$55.18
Hawaiian Electric Industries, Inc.	HE	$1.37	$1.41	$1.46	$1.51	$1.55	$1.60	$1.66	$1.71	$1.78	$1.85	$1.92	$2.00	$2.11	$2.23	$2.36	$2.50	$52.57
IDACORP, Inc.	IDA	$1.57	$1.76	$1.97	$2.19	$2.42	$2.54	$2.67	$2.82	$2.99	$3.17	$3.39	$3.63	$3.83	$4.05	$4.28	$4.53	$117.58
NextEra Energy, Inc.	NEE	$2.60	$2.81	$3.04	$3.29	$3.55	$3.82	$4.12	$4.43	$4.77	$5.14	$5.53	$5.94	$6.28	$6.64	$7.02	$7.42	$200.41
Otter Tail Corporation	OTTR	$1.01	$1.03	$1.03	$1.03	$1.02	$1.15	$1.29	$1.43	$1.57	$1.72	$1.86	$2.00	$2.11	$2.23	$2.36	$2.50	$66.34
Pinnacle West Capital Corporation	PNW	$2.26	$2.38	$2.50	$2.62	$2.76	$2.89	$3.04	$3.21	$3.39	$3.59	$3.81	$4.06	$4.29	$4.53	$4.79	$5.07	$115.86
PNM Resources, Inc.	PNM	$0.72	$0.79	$0.86	$0.95	$1.04	$1.19	$1.35	$1.52	$1.69	$1.88	$2.07	$2.27	$2.40	$2.53	$2.68	$2.83	$59.52
Portland General Electric Company	POR	$1.32	$1.36	$1.40	$1.43	$1.47	$1.62	$1.77	$1.94	$2.12	$2.30	$2.50	$2.71	$2.86	$3.02	$3.20	$3.38	$69.51
Southern Company	SO	$2.07	$2.13	$2.18	$2.24	$2.29	$2.35	$2.42	$2.50	$2.59	$2.69	$2.80	$2.93	$3.10	$3.28	$3.46	$3.66	$87.10
Westar Energy, Inc.	WR	$1.23	$1.32	$1.41	$1.50	$1.60	$1.70	$1.80	$1.92	$2.05	$2.19	$2.35	$2.52	$2.66	$2.81	$2.97	$3.14	$73.64

Projected Annual Data
Investor Cash Flows

Company	Ticker	[64] Initial Outflow	[65] 4/15/14	[66] 12/31/14	[67] 6/30/15	[68] 6/30/16	[69] 6/30/17	[70] 6/30/18	[71] 6/30/19	[72] 6/30/20	[73] 6/30/21	[74] 6/30/22	[75] 6/30/23	[76] 6/30/24	[77] 6/30/25	[78] 6/30/26	[79] 6/30/27	[80] 6/30/28
American Electric Power Company, Inc.	AEP	($48.45)	$0.00	$1.45	$2.15	$2.23	$2.32	$2.45	$2.58	$2.73	$2.89	$3.07	$3.27	$3.48	$3.68	$3.89	$4.11	$109.26
Cleco Corp.	CNL	($48.20)	$0.00	$1.15	$1.83	$1.98	$2.14	$2.35	$2.56	$2.79	$3.04	$3.30	$3.57	$3.86	$4.08	$4.31	$4.55	$114.08
Duke Energy Corporation	DUK	($69.79)	$0.00	$2.13	$2.90	$2.87	$2.84	$2.97	$3.13	$3.30	$3.49	$3.70	$3.93	$4.20	$4.43	$4.69	$4.96	$154.90
Empire District Electric Company	EDE	($23.23)	$0.00	$0.67	$0.96	$0.98	$1.00	$1.04	$1.08	$1.13	$1.19	$1.26	$1.34	$1.42	$1.50	$1.59	$1.68	$51.53
Great Plains Energy Inc.	GXP	($25.25)	$0.00	$0.57	$0.96	$1.06	$1.16	$1.23	$1.30	$1.37	$1.45	$1.54	$1.63	$1.73	$1.82	$1.93	$2.04	$57.34
Hawaiian Electric Industries, Inc.	HE	($25.45)	$0.00	$1.00	$1.46	$1.51	$1.55	$1.60	$1.66	$1.71	$1.78	$1.85	$1.92	$2.00	$2.11	$2.23	$2.36	$55.06
IDACORP, Inc.	IDA	($53.48)	$0.00	$1.13	$1.97	$2.19	$2.42	$2.54	$2.67	$2.82	$2.99	$3.17	$3.39	$3.63	$3.83	$4.05	$4.28	$122.11
NextEra Energy, Inc.	NEE	($89.87)	$0.00	$1.91	$3.04	$3.29	$3.55	$3.82	$4.12	$4.43	$4.77	$5.14	$5.53	$5.94	$6.28	$6.64	$7.02	$207.84
Otter Tail Corporation	OTTR	($29.45)	$0.00	$0.76	$1.03	$1.03	$1.02	$1.15	$1.29	$1.43	$1.57	$1.72	$1.86	$2.00	$2.11	$2.23	$2.36	$68.83
Pinnacle West Capital Corporation	PNW	($53.65)	$0.00	$1.65	$2.50	$2.62	$2.76	$2.89	$3.04	$3.21	$3.39	$3.59	$3.81	$4.06	$4.29	$4.53	$4.79	$120.92
PNM Resources, Inc.	PNM	($25.19)	$0.00	$0.53	$0.86	$0.95	$1.04	$1.19	$1.35	$1.52	$1.69	$1.88	$2.07	$2.27	$2.40	$2.53	$2.68	$62.35
Portland General Electric Company	POR	($30.80)	$0.00	$0.97	$1.40	$1.43	$1.47	$1.62	$1.77	$1.94	$2.12	$2.30	$2.50	$2.71	$2.86	$3.02	$3.20	$72.89
Southern Company	SO	($41.96)	$0.00	$1.50	$2.18	$2.24	$2.29	$2.35	$2.42	$2.50	$2.59	$2.69	$2.80	$2.93	$3.10	$3.28	$3.46	$90.76
Westar Energy, Inc.	WR	($33.44)	$0.00	$0.90	$1.41	$1.50	$1.60	$1.70	$1.80	$1.92	$2.05	$2.19	$2.35	$2.52	$2.66	$2.81	$2.97	$76.78

Multi-Stage Growth Discounted Cash Flow Model - Electric Proxy Group
90 Day Average Stock Price
Low EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term	Payout Ratio			Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	Low Growth	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
American Electric Power Company, Inc.	AEP	$48.45	4.30%	4.23%	4.50%	4.23%	5.70%	64.00%	63.00%	67.05%	($0.00)	10.05%	16.31	2.86
Cleco Corp.	CNL	$48.20	8.00%	8.00%	4.50%	4.50%	5.70%	54.00%	57.00%	67.05%	($0.00)	9.64%	18.01	3.16
Duke Energy Corporation	DUK	$69.79	3.90%	3.92%	4.00%	3.90%	5.70%	76.00%	63.00%	67.05%	($0.00)	9.39%	19.21	3.37
Empire District Electric Company	EDE	$23.23	3.00%	3.00%	4.00%	3.00%	5.70%	68.00%	64.00%	67.05%	($0.00)	9.38%	19.29	3.38
Great Plains Energy Inc.	GXP	$25.25	5.20%	5.17%	6.00%	5.17%	5.70%	55.00%	66.00%	67.05%	($0.00)	9.75%	17.53	3.07
Hawaiian Electric Industries, Inc.	HE	$25.45	6.00%	4.20%	3.50%	3.50%	5.70%	78.00%	74.00%	67.05%	($0.00)	10.34%	15.30	2.68
IDACORP, Inc.	IDA	$53.48	4.00%	4.00%	2.00%	2.00%	5.70%	45.00%	61.00%	67.05%	($0.00)	9.38%	19.26	3.38
NextEra Energy, Inc.	NEE	$89.87	6.10%	6.48%	4.50%	4.50%	5.70%	54.00%	59.00%	67.05%	($0.00)	9.29%	19.77	3.47
Otter Tail Corporation	OTTR	$29.45	NA	6.00%	15.00%	6.00%	5.70%	87.00%	59.00%	67.05%	($0.00)	8.58%	24.66	4.32
Pinnacle West Capital Corporation	PNW	$53.65	4.60%	4.13%	4.00%	4.00%	5.70%	62.00%	64.00%	67.05%	($0.00)	10.24%	15.61	2.74
PNM Resources, Inc.	PNM	$25.19	7.60%	8.20%	12.00%	7.60%	5.70%	50.00%	51.00%	67.05%	($0.00)	10.19%	15.81	2.77
Portland General Electric Company	POR	$30.80	6.60%	10.89%	3.50%	3.50%	5.70%	66.00%	56.00%	67.05%	($0.00)	9.70%	17.76	3.11
Southern Company	SO	$41.96	3.70%	3.55%	3.50%	3.50%	5.70%	75.00%	72.00%	67.05%	($0.00)	10.12%	16.05	2.81
Westar Energy, Inc.	WR	$33.44	4.30%	2.80%	6.00%	2.80%	5.70%	55.00%	60.00%	67.05%	($0.00)	9.72%	17.65	3.09

	DCF Result	Flotation Cost	DCF Result - w/ Flotation Cost
Mean	9.70%	0.14%	9.84%
Max	10.34%	0.14%	10.47%
Min	8.58%	0.14%	8.72%

Projected Annual
Earnings per Share

Company	Ticker	[14] 2012	[15] 2013	[16] 2014	[17] 2015	[18] 2016	[19] 2017	[20] 2018	[21] **2019**	[22] 2020	[23] 2021	[24] 2022	[25] 2023	[26] **2024**	[27] 2025	[28] 2026	[29] 2027	[30] 2028
American Electric Power Company, Inc.	AEP	$2.98	$3.11	$3.24	$3.37	$3.52	$3.67	$3.82	$3.99	$4.18	$4.39	$4.62	$4.87	$5.15	$5.44	$5.75	$6.08	$6.43
Cleco Corp.	CNL	$2.70	$2.82	$2.95	$3.08	$3.22	$3.36	$3.52	$3.68	$3.86	$4.06	$4.27	$4.51	$4.77	$5.04	$5.33	$5.63	$5.95
Duke Energy Corporation	DUK	$3.71	$3.85	$4.01	$4.16	$4.32	$4.49	$4.67	$4.86	$5.08	$5.33	$5.60	$5.90	$6.24	$6.59	$6.97	$7.37	$7.79
Empire District Electric Company	EDE	$1.32	$1.36	$1.40	$1.44	$1.49	$1.53	$1.58	$1.63	$1.69	$1.77	$1.85	$1.95	$2.06	$2.18	$2.30	$2.43	$2.57
Great Plains Energy Inc.	GXP	$1.35	$1.42	$1.49	$1.57	$1.65	$1.74	$1.83	$1.92	$2.03	$2.14	$2.25	$2.38	$2.52	$2.66	$2.81	$2.97	$3.14
Hawaiian Electric Industries, Inc.	HE	$1.68	$1.74	$1.80	$1.86	$1.93	$2.00	$2.07	$2.15	$2.24	$2.34	$2.45	$2.59	$2.73	$2.89	$3.05	$3.23	$3.41
IDACORP, Inc.	IDA	$3.37	$3.44	$3.51	$3.58	$3.65	$3.72	$3.80	$3.89	$4.02	$4.18	$4.36	$4.58	$4.85	$5.12	$5.41	$5.72	$6.05
NextEra Energy, Inc.	NEE	$4.56	$4.77	$4.98	$5.20	$5.44	$5.68	$5.94	$6.22	$6.52	$6.85	$7.22	$7.62	$8.05	$8.51	$8.99	$9.51	$10.05
Otter Tail Corporation	OTTR	$1.05	$1.11	$1.18	$1.25	$1.33	$1.41	$1.49	$1.58	$1.67	$1.77	$1.87	$1.98	$2.09	$2.21	$2.34	$2.47	$2.61
Pinnacle West Capital Corporation	PNW	$3.50	$3.64	$3.79	$3.94	$4.09	$4.26	$4.43	$4.62	$4.83	$5.06	$5.32	$5.61	$5.93	$6.27	$6.63	$7.01	$7.41
PNM Resources, Inc.	PNM	$1.31	$1.41	$1.52	$1.63	$1.76	$1.89	$2.03	$2.18	$2.33	$2.49	$2.65	$2.81	$2.97	$3.13	$3.31	$3.50	$3.70
Portland General Electric Company	POR	$1.87	$1.94	$2.00	$2.07	$2.15	$2.22	$2.30	$2.39	$2.49	$2.60	$2.73	$2.88	$3.04	$3.22	$3.40	$3.59	$3.80
Southern Company	SO	$2.67	$2.76	$2.86	$2.96	$3.06	$3.17	$3.28	$3.41	$3.55	$3.72	$3.90	$4.11	$4.34	$4.59	$4.85	$5.13	$5.42
Westar Energy, Inc.	WR	$2.15	$2.21	$2.27	$2.34	$2.40	$2.47	$2.54	$2.62	$2.72	$2.84	$2.97	$3.12	$3.30	$3.49	$3.69	$3.90	$4.12

Projected Annual
Dividend Payout Ratio

Company	Ticker	[31] 2013	[32] 2014	[33] 2015	[34] 2016	[35] 2017	[36] 2018	[37] 2019	[38] 2020	[39] 2021	[40] 2022	[41] 2023	[42] 2024	[43] 2025	[44] 2026	[45] 2027	[46] 2028
American Electric Power Company, Inc.	AEP	64.00%	63.75%	63.50%	63.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Cleco Corp.	CNL	54.00%	54.75%	55.50%	56.25%	57.00%	58.44%	59.87%	61.31%	62.74%	64.18%	65.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Duke Energy Corporation	DUK	76.00%	72.75%	69.50%	66.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Empire District Electric Company	EDE	68.00%	67.00%	66.00%	65.00%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Great Plains Energy Inc.	GXP	55.00%	57.75%	60.50%	63.25%	66.00%	66.15%	66.30%	66.45%	66.60%	66.75%	66.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Hawaiian Electric Industries, Inc.	HE	78.00%	77.00%	76.00%	75.00%	74.00%	73.01%	72.01%	71.02%	70.03%	69.03%	68.04%	67.05%	67.05%	67.05%	67.05%	67.05%
IDACORP, Inc.	IDA	45.00%	49.00%	53.00%	57.00%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
NextEra Energy, Inc.	NEE	54.00%	55.25%	56.50%	57.75%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Otter Tail Corporation	OTTR	87.00%	80.00%	73.00%	66.00%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Pinnacle West Capital Corporation	PNW	62.00%	62.50%	63.00%	63.50%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
PNM Resources, Inc.	PNM	50.00%	50.25%	50.50%	50.75%	51.00%	53.29%	55.58%	57.88%	60.17%	62.46%	64.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Portland General Electric Company	POR	66.00%	63.50%	61.00%	58.50%	56.00%	57.58%	59.16%	60.73%	62.31%	63.89%	65.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Southern Company	SO	75.00%	74.25%	73.50%	72.75%	72.00%	71.29%	70.58%	69.88%	69.17%	68.46%	67.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Westar Energy, Inc.	WR	55.00%	56.25%	57.50%	58.75%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual
Cash Flows

Company	Ticker	[47] 2013	[48] 2014	[49] 2015	[50] 2016	[51] 2017	[52] 2018	[53] 2019	[54] 2020	[55] 2021	[56] 2022	[57] 2023	[58] 2024	[59] 2025	[60] 2026	[61] 2027	[62] 2028	[63] Terminal Value
American Electric Power Company, Inc.	AEP	$1.99	$2.06	$2.14	$2.22	$2.31	$2.43	$2.56	$2.71	$2.87	$3.04	$3.24	$3.45	$3.65	$3.86	$4.08	$4.31	$104.82
Cleco Corp.	CNL	$1.52	$1.61	$1.71	$1.81	$1.92	$2.05	$2.20	$2.37	$2.55	$2.74	$2.96	$3.20	$3.38	$3.57	$3.77	$3.99	$107.17
Duke Energy Corporation	DUK	$2.93	$2.91	$2.89	$2.86	$2.83	$2.97	$3.12	$3.29	$3.48	$3.69	$3.92	$4.18	$4.42	$4.67	$4.94	$5.22	$149.62
Empire District Electric Company	EDE	$0.92	$0.94	$0.95	$0.97	$0.98	$1.02	$1.06	$1.11	$1.16	$1.23	$1.30	$1.38	$1.46	$1.54	$1.63	$1.73	$49.66
Great Plains Energy Inc.	GXP	$0.78	$0.86	$0.95	$1.04	$1.15	$1.21	$1.27	$1.35	$1.42	$1.50	$1.59	$1.69	$1.78	$1.89	$1.99	$2.11	$55.07
Hawaiian Electric Industries, Inc.	HE	$1.36	$1.39	$1.42	$1.45	$1.48	$1.51	$1.54	$1.59	$1.64	$1.69	$1.76	$1.83	$1.94	$2.05	$2.16	$2.29	$52.22
IDACORP, Inc.	IDA	$1.55	$1.72	$1.90	$2.08	$2.27	$2.35	$2.44	$2.56	$2.69	$2.85	$3.03	$3.25	$3.43	$3.63	$3.84	$4.06	$116.52
NextEra Energy, Inc.	NEE	$2.57	$2.75	$2.94	$3.14	$3.35	$3.57	$3.81	$4.07	$4.36	$4.67	$5.02	$5.40	$5.71	$6.03	$6.37	$6.74	$198.73
Otter Tail Corporation	OTTR	$0.97	$0.94	$0.91	$0.87	$0.83	$0.90	$0.97	$1.04	$1.13	$1.21	$1.30	$1.40	$1.48	$1.57	$1.66	$1.75	$64.41
Pinnacle West Capital Corporation	PNW	$2.26	$2.37	$2.48	$2.60	$2.73	$2.85	$3.00	$3.15	$3.33	$3.52	$3.74	$3.98	$4.20	$4.44	$4.70	$4.97	$115.65
PNM Resources, Inc.	PNM	$0.70	$0.76	$0.82	$0.89	$0.96	$1.08	$1.21	$1.35	$1.50	$1.65	$1.82	$1.99	$2.10	$2.22	$2.35	$2.48	$58.51
Portland General Electric Company	POR	$1.28	$1.27	$1.26	$1.26	$1.24	$1.32	$1.41	$1.51	$1.62	$1.75	$1.88	$2.04	$2.16	$2.28	$2.41	$2.55	$67.47
Southern Company	SO	$2.07	$2.12	$2.18	$2.23	$2.28	$2.34	$2.41	$2.48	$2.57	$2.67	$2.78	$2.91	$3.08	$3.25	$3.44	$3.64	$87.05
Westar Energy, Inc.	WR	$1.22	$1.28	$1.34	$1.41	$1.48	$1.55	$1.63	$1.71	$1.82	$1.93	$2.06	$2.21	$2.34	$2.47	$2.62	$2.76	$72.78

Projected Annual Data
Investor Cash Flows

Company	Ticker	[64] Initial Outflow	[65] 4/15/14	[66] 12/31/14	[67] 6/30/15	[68] 6/30/16	[69] 6/30/17	[70] 6/30/18	[71] 6/30/19	[72] 6/30/20	[73] 6/30/21	[74] 6/30/22	[75] 6/30/23	[76] 6/30/24	[77] 6/30/25	[78] 6/30/26	[79] 6/30/27	[80] 6/30/28
American Electric Power Company, Inc.	AEP	($48.45)	$0.00	$1.45	$2.14	$2.22	$2.31	$2.43	$2.56	$2.71	$2.87	$3.04	$3.24	$3.45	$3.65	$3.86	$4.08	$109.13
Cleco Corp.	CNL	($48.20)	$0.00	$1.11	$1.71	$1.81	$1.92	$2.05	$2.20	$2.37	$2.55	$2.74	$2.96	$3.20	$3.38	$3.57	$3.77	$111.16
Duke Energy Corporation	DUK	($69.79)	$0.00	$2.13	$2.89	$2.86	$2.83	$2.97	$3.12	$3.29	$3.48	$3.69	$3.92	$4.18	$4.42	$4.67	$4.94	$154.85
Empire District Electric Company	EDE	($23.23)	$0.00	$0.67	$0.95	$0.97	$0.98	$1.02	$1.06	$1.11	$1.16	$1.23	$1.30	$1.38	$1.46	$1.54	$1.63	$51.38
Great Plains Energy Inc.	GXP	($25.25)	$0.00	$0.57	$0.95	$1.04	$1.15	$1.21	$1.27	$1.35	$1.42	$1.50	$1.59	$1.69	$1.78	$1.89	$1.99	$57.18
Hawaiian Electric Industries, Inc.	HE	($25.45)	$0.00	$0.98	$1.42	$1.45	$1.48	$1.51	$1.54	$1.59	$1.64	$1.69	$1.76	$1.83	$1.94	$2.05	$2.16	$54.51
IDACORP, Inc.	IDA	($53.48)	$0.00	$1.11	$1.90	$2.08	$2.27	$2.35	$2.44	$2.56	$2.69	$2.85	$3.03	$3.25	$3.43	$3.63	$3.84	$120.58
NextEra Energy, Inc.	NEE	($89.87)	$0.00	$1.87	$2.94	$3.14	$3.35	$3.57	$3.81	$4.07	$4.36	$4.67	$5.02	$5.40	$5.71	$6.03	$6.37	$205.47
Otter Tail Corporation	OTTR	($29.45)	$0.00	$0.71	$0.91	$0.87	$0.83	$0.90	$0.97	$1.04	$1.13	$1.21	$1.30	$1.40	$1.48	$1.57	$1.66	$66.16
Pinnacle West Capital Corporation	PNW	($53.65)	$0.00	$1.64	$2.48	$2.60	$2.73	$2.85	$3.00	$3.15	$3.33	$3.52	$3.74	$3.98	$4.20	$4.44	$4.70	$120.62
PNM Resources, Inc.	PNM	($25.19)	$0.00	$0.52	$0.82	$0.89	$0.96	$1.08	$1.21	$1.35	$1.50	$1.65	$1.82	$1.99	$2.10	$2.22	$2.35	$61.00
Portland General Electric Company	POR	($30.80)	$0.00	$0.93	$1.26	$1.26	$1.24	$1.32	$1.41	$1.51	$1.62	$1.75	$1.88	$2.04	$2.16	$2.28	$2.41	$70.01
Southern Company	SO	($41.96)	$0.00	$1.50	$2.18	$2.23	$2.28	$2.34	$2.41	$2.48	$2.57	$2.67	$2.78	$2.91	$3.08	$3.25	$3.44	$90.69
Westar Energy, Inc.	WR	($33.44)	$0.00	$0.88	$1.34	$1.41	$1.48	$1.55	$1.63	$1.71	$1.82	$1.93	$2.06	$2.21	$2.34	$2.47	$2.62	$75.54

Multi-Stage Growth Discounted Cash Flow Model - Electric Proxy Group
90 Day Average Stock Price
High EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term		Payout Ratio		Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	High Growth	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
American Electric Power Company, Inc.	AEP	$48.45	4.30%	4.23%	4.50%	4.50%	5.70%	64.00%	63.00%	67.05%	($0.00)	10.14%	15.99	2.80
Cleco Corp.	CNL	$48.20	8.00%	8.00%	4.50%	8.00%	5.70%	54.00%	57.00%	67.05%	($0.00)	10.76%	14.03	2.46
Duke Energy Corporation	DUK	$69.79	3.90%	3.92%	4.00%	4.00%	5.70%	76.00%	63.00%	67.05%	($0.00)	9.42%	19.07	3.34
Empire District Electric Company	EDE	$23.23	3.00%	3.00%	4.00%	4.00%	5.70%	68.00%	64.00%	67.05%	($0.00)	9.67%	17.89	3.14
Great Plains Energy Inc.	GXP	$25.25	5.20%	5.17%	6.00%	6.00%	5.70%	55.00%	66.00%	67.05%	($0.00)	10.00%	16.49	2.89
Hawaiian Electric Industries, Inc.	HE	$25.45	6.00%	4.20%	3.50%	6.00%	5.70%	78.00%	74.00%	67.05%	($0.00)	11.28%	12.71	2.23
IDACORP, Inc.	IDA	$53.48	4.00%	4.00%	2.00%	4.00%	5.70%	45.00%	61.00%	67.05%	($0.00)	9.98%	16.57	2.90
NextEra Energy, Inc.	NEE	$89.87	6.10%	6.48%	4.50%	6.48%	5.70%	54.00%	59.00%	67.05%	($0.00)	9.85%	17.10	3.00
Otter Tail Corporation	OTTR	$29.45	NA	6.00%	15.00%	15.00%	5.70%	87.00%	59.00%	67.05%	($0.00)	11.08%	13.19	2.31
Pinnacle West Capital Corporation	PNW	$53.65	4.60%	4.13%	4.00%	4.60%	5.70%	62.00%	64.00%	67.05%	($0.00)	10.45%	14.94	2.62
PNM Resources, Inc.	PNM	$25.19	7.60%	8.20%	12.00%	12.00%	5.70%	50.00%	51.00%	67.05%	($0.00)	11.72%	11.79	2.07
Portland General Electric Company	POR	$30.80	6.60%	10.89%	3.50%	10.89%	5.70%	66.00%	56.00%	67.05%	($0.00)	12.37%	10.63	1.86
Southern Company	SO	$41.96	3.70%	3.55%	3.50%	3.70%	5.70%	75.00%	72.00%	67.05%	($0.00)	10.19%	15.81	2.77
Westar Energy, Inc.	WR	$33.44	4.30%	2.80%	6.00%	6.00%	5.70%	55.00%	60.00%	67.05%	($0.00)	10.78%	13.96	2.45

	DCF Result	Flotation Cost	DCF Result - w/ Flotation Cost
Mean	10.55%	0.14%	10.69%
Max	12.37%	0.14%	12.51%
Min	9.42%	0.14%	9.56%

Projected Annual
Earnings per Share

Company	Ticker	[14] 2012	[15] 2013	[16] 2014	[17] 2015	[18] 2016	[19] 2017	[20] 2018	[21] **2019**	[22] 2020	[23] 2021	[24] 2022	[25] 2023	[26] **2024**	[27] 2025	[28] 2026	[29] 2027	[30] 2028
American Electric Power Company, Inc.	AEP	$2.98	$3.11	$3.25	$3.40	$3.55	$3.71	$3.88	$4.06	$4.26	$4.48	$4.72	$4.98	$5.26	$5.56	$5.88	$6.21	$6.57
Cleco Corp.	CNL	$2.70	$2.92	$3.15	$3.40	$3.67	$3.97	$4.28	$4.61	$4.94	$5.28	$5.63	$5.97	$6.31	$6.67	$7.05	$7.45	$7.88
Duke Energy Corporation	DUK	$3.71	$3.86	$4.01	$4.17	$4.34	$4.51	$4.69	$4.90	$5.12	$5.37	$5.64	$5.95	$6.29	$6.65	$7.03	$7.43	$7.85
Empire District Electric Company	EDE	$1.32	$1.37	$1.43	$1.48	$1.54	$1.61	$1.67	$1.74	$1.82	$1.91	$2.01	$2.12	$2.24	$2.37	$2.50	$2.64	$2.79
Great Plains Energy Inc.	GXP	$1.35	$1.43	$1.52	$1.61	$1.70	$1.81	$1.92	$2.03	$2.15	$2.27	$2.41	$2.54	$2.69	$2.84	$3.01	$3.18	$3.36
Hawaiian Electric Industries, Inc.	HE	$1.68	$1.78	$1.89	$2.00	$2.12	$2.25	$2.38	$2.52	$2.67	$2.83	$2.99	$3.17	$3.35	$3.54	$3.74	$3.95	$4.18
IDACORP, Inc.	IDA	$3.37	$3.50	$3.64	$3.79	$3.94	$4.10	$4.26	$4.45	$4.65	$4.88	$5.13	$5.40	$5.71	$6.04	$6.38	$6.75	$7.13
NextEra Energy, Inc.	NEE	$4.56	$4.86	$5.17	$5.51	$5.86	$6.24	$6.65	$7.07	$7.51	$7.97	$8.44	$8.93	$9.44	$9.98	$10.55	$11.15	$11.79
Otter Tail Corporation	OTTR	$1.05	$1.21	$1.39	$1.60	$1.84	$2.11	$2.43	$2.76	$3.08	$3.40	$3.70	$3.97	$4.20	$4.44	$4.69	$4.96	$5.24
Pinnacle West Capital Corporation	PNW	$3.50	$3.66	$3.83	$4.01	$4.19	$4.38	$4.58	$4.80	$5.04	$5.30	$5.58	$5.89	$6.23	$6.58	$6.96	$7.36	$7.78
PNM Resources, Inc.	PNM	$1.31	$1.47	$1.64	$1.84	$2.06	$2.31	$2.59	$2.87	$3.15	$3.43	$3.70	$3.95	$4.18	$4.41	$4.66	$4.93	$5.21
Portland General Electric Company	POR	$1.87	$2.07	$2.30	$2.55	$2.83	$3.14	$3.48	$3.83	$4.18	$4.52	$4.86	$5.18	$5.47	$5.79	$6.12	$6.46	$6.83
Southern Company	SO	$2.67	$2.77	$2.87	$2.98	$3.09	$3.20	$3.32	$3.45	$3.61	$3.77	$3.96	$4.18	$4.42	$4.67	$4.93	$5.22	$5.51
Westar Energy, Inc.	WR	$2.15	$2.28	$2.42	$2.56	$2.71	$2.88	$3.05	$3.23	$3.42	$3.62	$3.83	$4.05	$4.28	$4.53	$4.79	$5.06	$5.35

Projected Annual
Dividend Payout Ratio

Company	Ticker	[31] 2013	[32] 2014	[33] 2015	[34] 2016	[35] 2017	[36] 2018	[37] 2019	[38] 2020	[39] 2021	[40] 2022	[41] 2023	[42] 2024	[43] 2025	[44] 2026	[45] 2027	[46] 2028
American Electric Power Company, Inc.	AEP	64.00%	63.75%	63.50%	63.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Cleco Corp.	CNL	54.00%	54.75%	55.50%	56.25%	57.00%	58.44%	59.87%	61.31%	62.74%	64.18%	65.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Duke Energy Corporation	DUK	76.00%	72.75%	69.50%	66.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Empire District Electric Company	EDE	68.00%	67.00%	66.00%	65.00%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Great Plains Energy Inc.	GXP	55.00%	57.75%	60.50%	63.25%	66.00%	66.15%	66.30%	66.45%	66.60%	66.75%	66.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Hawaiian Electric Industries, Inc.	HE	78.00%	77.00%	76.00%	75.00%	74.00%	73.01%	72.01%	71.02%	70.03%	69.03%	68.04%	67.05%	67.05%	67.05%	67.05%	67.05%
IDACORP, Inc.	IDA	45.00%	49.00%	53.00%	57.00%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
NextEra Energy, Inc.	NEE	54.00%	55.25%	56.50%	57.75%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Otter Tail Corporation	OTTR	87.00%	80.00%	73.00%	66.00%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Pinnacle West Capital Corporation	PNW	62.00%	62.50%	63.00%	63.50%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
PNM Resources, Inc.	PNM	50.00%	50.25%	50.50%	50.75%	51.00%	53.29%	55.58%	57.88%	60.17%	62.46%	64.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Portland General Electric Company	POR	66.00%	63.50%	61.00%	58.50%	56.00%	57.58%	59.16%	60.73%	62.31%	63.89%	65.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Southern Company	SO	75.00%	74.25%	73.50%	72.75%	72.00%	71.29%	70.58%	69.88%	69.17%	68.46%	67.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Westar Energy, Inc.	WR	55.00%	56.25%	57.50%	58.75%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual
Cash Flows

Company	Ticker	[47] 2013	[48] 2014	[49] 2015	[50] 2016	[51] 2017	[52] 2018	[53] 2019	[54] 2020	[55] 2021	[56] 2022	[57] 2023	[58] 2024	[59] 2025	[60] 2026	[61] 2027	[62] 2028	[63] Terminal Value
American Electric Power Company, Inc.	AEP	$1.99	$2.07	$2.16	$2.25	$2.34	$2.47	$2.61	$2.76	$2.93	$3.11	$3.31	$3.53	$3.73	$3.94	$4.17	$4.40	$105.03
Cleco Corp.	CNL	$1.57	$1.72	$1.89	$2.07	$2.26	$2.50	$2.76	$3.03	$3.31	$3.61	$3.92	$4.23	$4.47	$4.73	$5.00	$5.28	$110.48
Duke Energy Corporation	DUK	$2.93	$2.92	$2.90	$2.88	$2.84	$2.98	$3.14	$3.31	$3.51	$3.72	$3.95	$4.22	$4.46	$4.71	$4.98	$5.26	$149.71
Empire District Electric Company	EDE	$0.93	$0.96	$0.98	$1.00	$1.03	$1.08	$1.13	$1.19	$1.26	$1.33	$1.41	$1.50	$1.59	$1.68	$1.77	$1.87	$49.96
Great Plains Energy Inc.	GXP	$0.79	$0.88	$0.97	$1.08	$1.19	$1.27	$1.35	$1.43	$1.51	$1.61	$1.70	$1.80	$1.91	$2.02	$2.13	$2.25	$55.39
Hawaiian Electric Industries, Inc.	HE	$1.39	$1.45	$1.52	$1.59	$1.66	$1.74	$1.82	$1.90	$1.98	$2.07	$2.15	$2.24	$2.37	$2.51	$2.65	$2.80	$53.11
IDACORP, Inc.	IDA	$1.58	$1.79	$2.01	$2.25	$2.50	$2.64	$2.79	$2.96	$3.14	$3.35	$3.58	$3.83	$4.05	$4.28	$4.52	$4.78	$118.17
NextEra Energy, Inc.	NEE	$2.62	$2.86	$3.11	$3.39	$3.68	$4.00	$4.33	$4.69	$5.07	$5.46	$5.89	$6.33	$6.69	$7.07	$7.48	$7.90	$201.63
Otter Tail Corporation	OTTR	$1.05	$1.11	$1.17	$1.21	$1.25	$1.46	$1.69	$1.93	$2.16	$2.40	$2.62	$2.81	$2.97	$3.14	$3.32	$3.51	$69.14
Pinnacle West Capital Corporation	PNW	$2.27	$2.39	$2.52	$2.66	$2.80	$2.95	$3.12	$3.29	$3.49	$3.70	$3.93	$4.18	$4.41	$4.67	$4.93	$5.21	$116.18
PNM Resources, Inc.	PNM	$0.73	$0.83	$0.93	$1.05	$1.18	$1.38	$1.59	$1.82	$2.07	$2.31	$2.56	$2.80	$2.96	$3.13	$3.31	$3.49	$61.45
Portland General Electric Company	POR	$1.37	$1.46	$1.56	$1.65	$1.76	$2.00	$2.26	$2.54	$2.82	$3.10	$3.39	$3.67	$3.88	$4.10	$4.33	$4.58	$72.61
Southern Company	SO	$2.08	$2.13	$2.19	$2.25	$2.31	$2.37	$2.44	$2.52	$2.61	$2.71	$2.83	$2.96	$3.13	$3.31	$3.50	$3.70	$87.16
Westar Energy, Inc.	WR	$1.25	$1.36	$1.47	$1.59	$1.73	$1.86	$2.00	$2.16	$2.32	$2.49	$2.68	$2.87	$3.04	$3.21	$3.39	$3.59	$74.68

Projected Annual Data
Investor Cash Flows

Company	Ticker	[64] Initial Outflow	[65] 4/15/14	[66] 12/31/14	[67] 6/30/15	[68] 6/30/16	[69] 6/30/17	[70] 6/30/18	[71] 6/30/19	[72] 6/30/20	[73] 6/30/21	[74] 6/30/22	[75] 6/30/23	[76] 6/30/24	[77] 6/30/25	[78] 6/30/26	[79] 6/30/27	[80] 6/30/28
American Electric Power Company, Inc.	AEP	($48.45)	$0.00	$1.45	$2.16	$2.25	$2.34	$2.47	$2.61	$2.76	$2.93	$3.11	$3.31	$3.53	$3.73	$3.94	$4.17	$109.43
Cleco Corp.	CNL	($48.20)	$0.00	$1.17	$1.89	$2.07	$2.26	$2.50	$2.76	$3.03	$3.31	$3.61	$3.92	$4.23	$4.47	$4.73	$5.00	$115.76
Duke Energy Corporation	DUK	($69.79)	$0.00	$2.13	$2.90	$2.88	$2.84	$2.98	$3.14	$3.31	$3.51	$3.72	$3.95	$4.22	$4.46	$4.71	$4.98	$154.98
Empire District Electric Company	EDE	($23.23)	$0.00	$0.68	$0.98	$1.00	$1.03	$1.08	$1.13	$1.19	$1.26	$1.33	$1.41	$1.50	$1.59	$1.68	$1.77	$51.83
Great Plains Energy Inc.	GXP	($25.25)	$0.00	$0.58	$0.97	$1.08	$1.19	$1.27	$1.35	$1.43	$1.51	$1.61	$1.70	$1.80	$1.91	$2.02	$2.13	$57.65
Hawaiian Electric Industries, Inc.	HE	($25.45)	$0.00	$1.02	$1.52	$1.59	$1.66	$1.74	$1.82	$1.90	$1.98	$2.07	$2.15	$2.24	$2.37	$2.51	$2.65	$55.91
IDACORP, Inc.	IDA	($53.48)	$0.00	$1.15	$2.01	$2.25	$2.50	$2.64	$2.79	$2.96	$3.14	$3.35	$3.58	$3.83	$4.05	$4.28	$4.52	$122.95
NextEra Energy, Inc.	NEE	($89.87)	$0.00	$1.93	$3.11	$3.39	$3.68	$4.00	$4.33	$4.69	$5.07	$5.46	$5.89	$6.33	$6.69	$7.07	$7.48	$209.54
Otter Tail Corporation	OTTR	($29.45)	$0.00	$0.80	$1.17	$1.21	$1.25	$1.46	$1.69	$1.93	$2.16	$2.40	$2.62	$2.81	$2.97	$3.14	$3.32	$72.65
Pinnacle West Capital Corporation	PNW	($53.65)	$0.00	$1.65	$2.52	$2.66	$2.80	$2.95	$3.12	$3.29	$3.49	$3.70	$3.93	$4.18	$4.41	$4.67	$4.93	$121.39
PNM Resources, Inc.	PNM	($25.19)	$0.00	$0.55	$0.93	$1.05	$1.18	$1.38	$1.59	$1.82	$2.07	$2.31	$2.56	$2.80	$2.96	$3.13	$3.31	$64.95
Portland General Electric Company	POR	($30.80)	$0.00	$1.03	$1.56	$1.65	$1.76	$2.00	$2.26	$2.54	$2.82	$3.10	$3.39	$3.67	$3.88	$4.10	$4.33	$77.19
Southern Company	SO	($41.96)	$0.00	$1.51	$2.19	$2.25	$2.31	$2.37	$2.44	$2.52	$2.61	$2.71	$2.83	$2.96	$3.13	$3.31	$3.50	$90.85
Westar Energy, Inc.	WR	($33.44)	$0.00	$0.92	$1.47	$1.59	$1.73	$1.86	$2.00	$2.16	$2.32	$2.49	$2.68	$2.87	$3.04	$3.21	$3.39	$78.26

Multi-Stage Growth Discounted Cash Flow Model - Electric Proxy Group
180 Day Average Stock Price
Average EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term		Payout Ratio		Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	Average	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
American Electric Power Company, Inc.	AEP	$46.69	4.30%	4.23%	4.50%	4.34%	5.70%	64.00%	63.00%	67.05%	($0.00)	10.25%	15.58	2.73
Cleco Corp.	CNL	$47.08	8.00%	8.00%	4.50%	6.83%	5.70%	54.00%	57.00%	67.05%	($0.00)	10.47%	14.87	2.61
Duke Energy Corporation	DUK	$69.39	3.90%	3.92%	4.00%	3.94%	5.70%	76.00%	63.00%	67.05%	($0.00)	9.43%	19.05	3.34
Empire District Electric Company	EDE	$22.71	3.00%	3.00%	4.00%	3.33%	5.70%	68.00%	64.00%	67.05%	($0.00)	9.56%	18.38	3.22
Great Plains Energy Inc.	GXP	$24.16	5.20%	5.17%	6.00%	5.46%	5.70%	55.00%	66.00%	67.05%	($0.00)	10.02%	16.42	2.88
Hawaiian Electric Industries, Inc.	HE	$25.58	6.00%	4.20%	3.50%	4.57%	5.70%	78.00%	74.00%	67.05%	($0.00)	10.70%	14.20	2.49
IDACORP, Inc.	IDA	$51.73	4.00%	4.00%	2.00%	3.33%	5.70%	45.00%	61.00%	67.05%	($0.00)	9.91%	16.84	2.95
NextEra Energy, Inc.	NEE	$86.64	6.10%	6.48%	4.50%	5.69%	5.70%	54.00%	59.00%	67.05%	($0.00)	9.76%	17.46	3.06
Otter Tail Corporation	OTTR	$29.04	NA	6.00%	15.00%	10.50%	5.70%	87.00%	59.00%	67.05%	($0.00)	9.74%	17.57	3.08
Pinnacle West Capital Corporation	PNW	$54.52	4.60%	4.13%	4.00%	4.24%	5.70%	62.00%	64.00%	67.05%	($0.00)	10.25%	15.59	2.73
PNM Resources, Inc.	PNM	$24.08	7.60%	8.20%	12.00%	9.27%	5.70%	50.00%	51.00%	67.05%	($0.00)	10.95%	13.51	2.37
Portland General Electric Company	POR	$29.98	6.60%	10.89%	3.50%	7.00%	5.70%	66.00%	56.00%	67.05%	($0.00)	10.98%	13.44	2.36
Southern Company	SO	$41.92	3.70%	3.55%	3.50%	3.58%	5.70%	75.00%	72.00%	67.05%	($0.00)	10.15%	15.93	2.79
Westar Energy, Inc.	WR	$32.49	4.30%	2.80%	6.00%	4.37%	5.70%	55.00%	60.00%	67.05%	($0.00)	10.35%	15.26	2.67

	DCF Result	Flotation Cost	DCF Result - w/ Flotation Cost
Mean	10.18%	0.14%	10.32%
Max	10.98%	0.14%	11.12%
Min	9.43%	0.14%	9.56%

Projected Annual Earnings per Share

Company	Ticker	[14] 2012	[15] 2013	[16] 2014	[17] 2015	[18] 2016	[19] 2017	[20] 2018	[21] **2019**	[22] 2020	[23] 2021	[24] 2022	[25] 2023	[26] **2024**	[27] 2025	[28] 2026	[29] 2027	[30] 2028
American Electric Power Company, Inc.	AEP	$2.98	$3.11	$3.24	$3.39	$3.53	$3.69	$3.85	$4.02	$4.21	$4.43	$4.66	$4.91	$5.19	$5.49	$5.80	$6.14	$6.49
Cleco Corp.	CNL	$2.70	$2.88	$3.08	$3.29	$3.52	$3.76	$4.01	$4.28	$4.56	$4.84	$5.14	$5.44	$5.75	$6.08	$6.43	$6.79	$7.18
Duke Energy Corporation	DUK	$3.71	$3.86	$4.01	$4.17	$4.33	$4.50	$4.68	$4.88	$5.10	$5.34	$5.62	$5.92	$6.26	$6.61	$6.99	$7.39	$7.81
Empire District Electric Company	EDE	$1.32	$1.36	$1.41	$1.46	$1.50	$1.56	$1.61	$1.67	$1.74	$1.81	$1.90	$2.00	$2.12	$2.24	$2.37	$2.50	$2.65
Great Plains Energy Inc.	GXP	$1.35	$1.42	$1.50	$1.58	$1.67	$1.76	$1.86	$1.96	$2.07	$2.18	$2.31	$2.44	$2.58	$2.72	$2.88	$3.04	$3.21
Hawaiian Electric Industries, Inc.	HE	$1.68	$1.76	$1.84	$1.92	$2.01	$2.10	$2.20	$2.30	$2.41	$2.54	$2.67	$2.82	$2.98	$3.15	$3.33	$3.52	$3.72
IDACORP, Inc.	IDA	$3.37	$3.48	$3.60	$3.72	$3.84	$3.97	$4.10	$4.26	$4.43	$4.63	$4.86	$5.12	$5.41	$5.72	$6.04	$6.39	$6.75
NextEra Energy, Inc.	NEE	$4.56	$4.82	$5.09	$5.38	$5.69	$6.01	$6.36	$6.72	$7.10	$7.51	$7.93	$8.39	$8.87	$9.37	$9.91	$10.47	$11.07
Otter Tail Corporation	OTTR	$1.05	$1.16	$1.28	$1.42	$1.57	$1.73	$1.91	$2.10	$2.28	$2.47	$2.65	$2.82	$2.98	$3.15	$3.33	$3.52	$3.72
Pinnacle West Capital Corporation	PNW	$3.50	$3.65	$3.80	$3.96	$4.13	$4.31	$4.49	$4.69	$4.91	$5.16	$5.43	$5.72	$6.05	$6.40	$6.76	$7.15	$7.55
PNM Resources, Inc.	PNM	$1.31	$1.43	$1.56	$1.71	$1.87	$2.04	$2.23	$2.42	$2.62	$2.81	$3.01	$3.20	$3.38	$3.57	$3.78	$3.99	$4.22
Portland General Electric Company	POR	$1.87	$2.00	$2.14	$2.29	$2.45	$2.62	$2.81	$3.00	$3.19	$3.40	$3.60	$3.82	$4.04	$4.27	$4.51	$4.77	$5.04
Southern Company	SO	$2.67	$2.77	$2.86	$2.97	$3.07	$3.18	$3.30	$3.43	$3.57	$3.74	$3.93	$4.14	$4.37	$4.62	$4.89	$5.17	$5.46
Westar Energy, Inc.	WR	$2.15	$2.24	$2.34	$2.44	$2.55	$2.66	$2.78	$2.91	$3.05	$3.20	$3.37	$3.55	$3.75	$3.97	$4.20	$4.43	$4.69

Projected Annual Dividend Payout Ratio

Company	Ticker	[31] 2013	[32] 2014	[33] 2015	[34] 2016	[35] 2017	[36] 2018	[37] 2019	[38] 2020	[39] 2021	[40] 2022	[41] 2023	[42] 2024	[43] 2025	[44] 2026	[45] 2027	[46] 2028
American Electric Power Company, Inc.	AEP	64.00%	63.75%	63.50%	63.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Cleco Corp.	CNL	54.00%	54.75%	55.50%	56.25%	57.00%	58.44%	59.87%	61.31%	62.74%	64.18%	65.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Duke Energy Corporation	DUK	76.00%	72.75%	69.50%	66.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Empire District Electric Company	EDE	68.00%	67.00%	66.00%	65.00%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Great Plains Energy Inc.	GXP	55.00%	57.75%	60.50%	63.25%	66.00%	66.15%	66.30%	66.45%	66.60%	66.75%	66.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Hawaiian Electric Industries, Inc.	HE	78.00%	77.00%	76.00%	75.00%	74.00%	73.01%	72.01%	71.02%	70.03%	69.03%	68.04%	67.05%	67.05%	67.05%	67.05%	67.05%
IDACORP, Inc.	IDA	45.00%	49.00%	53.00%	57.00%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
NextEra Energy, Inc.	NEE	54.00%	55.25%	56.50%	57.75%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Otter Tail Corporation	OTTR	87.00%	80.00%	73.00%	66.00%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Pinnacle West Capital Corporation	PNW	62.00%	62.50%	63.00%	63.50%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
PNM Resources, Inc.	PNM	50.00%	50.25%	50.50%	50.75%	51.00%	53.29%	55.58%	57.88%	60.17%	62.46%	64.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Portland General Electric Company	POR	66.00%	63.50%	61.00%	58.50%	56.00%	57.58%	59.16%	60.73%	62.31%	63.89%	65.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Southern Company	SO	75.00%	74.25%	73.50%	72.75%	72.00%	71.29%	70.58%	69.88%	69.17%	68.46%	67.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Westar Energy, Inc.	WR	55.00%	56.25%	57.50%	58.75%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual Cash Flows

Company	Ticker	[47] 2013	[48] 2014	[49] 2015	[50] 2016	[51] 2017	[52] 2018	[53] 2019	[54] 2020	[55] 2021	[56] 2022	[57] 2023	[58] 2024	[59] 2025	[60] 2026	[61] 2027	[62] 2028	[63] Terminal Value
American Electric Power Company, Inc.	AEP	$1.99	$2.07	$2.15	$2.23	$2.32	$2.45	$2.58	$2.73	$2.89	$3.07	$3.27	$3.48	$3.68	$3.89	$4.11	$4.35	$101.05
Cleco Corp.	CNL	$1.56	$1.69	$1.83	$1.98	$2.14	$2.35	$2.56	$2.79	$3.04	$3.30	$3.57	$3.86	$4.08	$4.31	$4.55	$4.81	$106.77
Duke Energy Corporation	DUK	$2.93	$2.92	$2.90	$2.87	$2.84	$2.97	$3.13	$3.30	$3.49	$3.70	$3.93	$4.20	$4.43	$4.69	$4.96	$5.24	$148.80
Empire District Electric Company	EDE	$0.93	$0.94	$0.96	$0.98	$1.00	$1.04	$1.08	$1.13	$1.19	$1.26	$1.34	$1.42	$1.50	$1.59	$1.68	$1.77	$48.60
Great Plains Energy Inc.	GXP	$0.78	$0.87	$0.96	$1.06	$1.16	$1.23	$1.30	$1.37	$1.45	$1.54	$1.63	$1.73	$1.82	$1.93	$2.04	$2.16	$52.78
Hawaiian Electric Industries, Inc.	HE	$1.37	$1.41	$1.46	$1.51	$1.55	$1.60	$1.66	$1.71	$1.78	$1.85	$1.92	$2.00	$2.11	$2.23	$2.36	$2.50	$52.86
IDACORP, Inc.	IDA	$1.57	$1.76	$1.97	$2.19	$2.42	$2.54	$2.67	$2.82	$2.99	$3.17	$3.39	$3.63	$3.83	$4.05	$4.28	$4.53	$113.73
NextEra Energy, Inc.	NEE	$2.60	$2.81	$3.04	$3.29	$3.55	$3.82	$4.12	$4.43	$4.77	$5.14	$5.53	$5.94	$6.28	$6.64	$7.02	$7.42	$193.28
Otter Tail Corporation	OTTR	$1.01	$1.03	$1.03	$1.03	$1.02	$1.15	$1.29	$1.43	$1.57	$1.72	$1.86	$2.00	$2.11	$2.23	$2.36	$2.50	$65.42
Pinnacle West Capital Corporation	PNW	$2.26	$2.38	$2.50	$2.62	$2.76	$2.89	$3.04	$3.21	$3.39	$3.59	$3.81	$4.06	$4.29	$4.53	$4.79	$5.07	$117.76
PNM Resources, Inc.	PNM	$0.72	$0.79	$0.86	$0.95	$1.04	$1.19	$1.35	$1.52	$1.69	$1.88	$2.07	$2.27	$2.40	$2.53	$2.68	$2.83	$57.02
Portland General Electric Company	POR	$1.32	$1.36	$1.40	$1.43	$1.47	$1.62	$1.77	$1.94	$2.12	$2.30	$2.50	$2.71	$2.86	$3.02	$3.20	$3.38	$67.70
Southern Company	SO	$2.07	$2.13	$2.18	$2.24	$2.29	$2.35	$2.42	$2.50	$2.59	$2.69	$2.80	$2.93	$3.10	$3.28	$3.46	$3.66	$87.01
Westar Energy, Inc.	WR	$1.23	$1.32	$1.41	$1.50	$1.60	$1.70	$1.80	$1.92	$2.05	$2.19	$2.35	$2.52	$2.66	$2.81	$2.97	$3.14	$71.53

Projected Annual Data
Investor Cash Flows

Company	Ticker	[64] Initial Outflow	[65] 4/15/14	[66] 12/31/14	[67] 6/30/15	[68] 6/30/16	[69] 6/30/17	[70] 6/30/18	[71] 6/30/19	[72] 6/30/20	[73] 6/30/21	[74] 6/30/22	[75] 6/30/23	[76] 6/30/24	[77] 6/30/25	[78] 6/30/26	[79] 6/30/27	[80] 6/30/28
American Electric Power Company, Inc.	AEP	($46.69)	$0.00	$1.45	$2.15	$2.23	$2.32	$2.45	$2.58	$2.73	$2.89	$3.07	$3.27	$3.48	$3.68	$3.89	$4.11	$105.40
Cleco Corp.	CNL	($47.08)	$0.00	$1.15	$1.83	$1.98	$2.14	$2.35	$2.56	$2.79	$3.04	$3.30	$3.57	$3.86	$4.08	$4.31	$4.55	$111.59
Duke Energy Corporation	DUK	($69.39)	$0.00	$2.13	$2.90	$2.87	$2.84	$2.97	$3.13	$3.30	$3.49	$3.70	$3.93	$4.20	$4.43	$4.69	$4.96	$154.03
Empire District Electric Company	EDE	($22.71)	$0.00	$0.67	$0.96	$0.98	$1.00	$1.04	$1.08	$1.13	$1.19	$1.26	$1.34	$1.42	$1.50	$1.59	$1.68	$50.38
Great Plains Energy Inc.	GXP	($24.16)	$0.00	$0.57	$0.96	$1.06	$1.16	$1.23	$1.30	$1.37	$1.45	$1.54	$1.63	$1.73	$1.82	$1.93	$2.04	$54.94
Hawaiian Electric Industries, Inc.	HE	($25.58)	$0.00	$1.00	$1.46	$1.51	$1.55	$1.60	$1.66	$1.71	$1.78	$1.85	$1.92	$2.00	$2.11	$2.23	$2.36	$55.36
IDACORP, Inc.	IDA	($51.73)	$0.00	$1.13	$1.97	$2.19	$2.42	$2.54	$2.67	$2.82	$2.99	$3.17	$3.39	$3.63	$3.83	$4.05	$4.28	$118.26
NextEra Energy, Inc.	NEE	($86.64)	$0.00	$1.91	$3.04	$3.29	$3.55	$3.82	$4.12	$4.43	$4.77	$5.14	$5.53	$5.94	$6.28	$6.64	$7.02	$200.70
Otter Tail Corporation	OTTR	($29.04)	$0.00	$0.76	$1.03	$1.03	$1.02	$1.15	$1.29	$1.43	$1.57	$1.72	$1.86	$2.00	$2.11	$2.23	$2.36	$67.91
Pinnacle West Capital Corporation	PNW	($54.52)	$0.00	$1.65	$2.50	$2.62	$2.76	$2.89	$3.04	$3.21	$3.39	$3.59	$3.81	$4.06	$4.29	$4.53	$4.79	$122.83
PNM Resources, Inc.	PNM	($24.08)	$0.00	$0.53	$0.86	$0.95	$1.04	$1.19	$1.35	$1.52	$1.69	$1.88	$2.07	$2.27	$2.40	$2.53	$2.68	$59.85
Portland General Electric Company	POR	($29.98)	$0.00	$0.97	$1.40	$1.43	$1.47	$1.62	$1.77	$1.94	$2.12	$2.30	$2.50	$2.71	$2.86	$3.02	$3.20	$71.07
Southern Company	SO	($41.92)	$0.00	$1.50	$2.18	$2.24	$2.29	$2.35	$2.42	$2.50	$2.59	$2.69	$2.80	$2.93	$3.10	$3.28	$3.46	$90.67
Westar Energy, Inc.	WR	($32.49)	$0.00	$0.90	$1.41	$1.50	$1.60	$1.70	$1.80	$1.92	$2.05	$2.19	$2.35	$2.52	$2.66	$2.81	$2.97	$74.67

Multi-Stage Growth Discounted Cash Flow Model - Electric Proxy Group
180 Day Average Stock Price
Low EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term	Payout Ratio			Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	Low Growth	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
American Electric Power Company, Inc.	AEP	$46.69	4.30%	4.23%	4.50%	4.23%	5.70%	64.00%	63.00%	67.05%	($0.00)	10.22%	15.71	2.75
Cleco Corp.	CNL	$47.08	8.00%	8.00%	4.50%	4.50%	5.70%	54.00%	57.00%	67.05%	($0.00)	9.73%	17.59	3.08
Duke Energy Corporation	DUK	$69.39	3.90%	3.92%	4.00%	3.90%	5.70%	76.00%	63.00%	67.05%	($0.00)	9.41%	19.10	3.35
Empire District Electric Company	EDE	$22.71	3.00%	3.00%	4.00%	3.00%	5.70%	68.00%	64.00%	67.05%	($0.00)	9.46%	18.85	3.30
Great Plains Energy Inc.	GXP	$24.16	5.20%	5.17%	6.00%	5.17%	5.70%	55.00%	66.00%	67.05%	($0.00)	9.93%	16.77	2.94
Hawaiian Electric Industries, Inc.	HE	$25.58	6.00%	4.20%	3.50%	3.50%	5.70%	78.00%	74.00%	67.05%	($0.00)	10.31%	15.39	2.70
IDACORP, Inc.	IDA	$51.73	4.00%	4.00%	2.00%	2.00%	5.70%	45.00%	61.00%	67.05%	($0.00)	9.51%	18.63	3.27
NextEra Energy, Inc.	NEE	$86.64	6.10%	6.48%	4.50%	4.50%	5.70%	54.00%	59.00%	67.05%	($0.00)	9.42%	19.06	3.34
Otter Tail Corporation	OTTR	$29.04	NA	6.00%	15.00%	6.00%	5.70%	87.00%	59.00%	67.05%	($0.00)	8.62%	24.31	4.26
Pinnacle West Capital Corporation	PNW	$54.52	4.60%	4.13%	4.00%	4.00%	5.70%	62.00%	64.00%	67.05%	($0.00)	10.17%	15.87	2.78
PNM Resources, Inc.	PNM	$24.08	7.60%	8.20%	12.00%	7.60%	5.70%	50.00%	51.00%	67.05%	($0.00)	10.39%	15.13	2.65
Portland General Electric Company	POR	$29.98	6.60%	10.89%	3.50%	3.50%	5.70%	66.00%	56.00%	67.05%	($0.00)	9.80%	17.29	3.03
Southern Company	SO	$41.92	3.70%	3.55%	3.50%	3.50%	5.70%	75.00%	72.00%	67.05%	($0.00)	10.12%	16.03	2.81
Westar Energy, Inc.	WR	$32.49	4.30%	2.80%	6.00%	2.80%	5.70%	55.00%	60.00%	67.05%	($0.00)	9.84%	17.14	3.00

	DCF Result	Flotation Cost	DCF Result - w/ Flotation Cost
Mean	9.78%	0.14%	9.92%
Max	10.39%	0.14%	10.53%
Min	8.62%	0.14%	8.76%

Projected Annual
Earnings per Share

Company	Ticker	[14] 2012	[15] 2013	[16] 2014	[17] 2015	[18] 2016	[19] 2017	[20] 2018	[21] **2019**	[22] 2020	[23] 2021	[24] 2022	[25] 2023	[26] **2024**	[27] 2025	[28] 2026	[29] 2027	[30] 2028
American Electric Power Company, Inc.	AEP	$2.98	$3.11	$3.24	$3.37	$3.52	$3.67	$3.82	$3.99	$4.18	$4.39	$4.62	$4.87	$5.15	$5.44	$5.75	$6.08	$6.43
Cleco Corp.	CNL	$2.70	$2.82	$2.95	$3.08	$3.22	$3.36	$3.52	$3.68	$3.86	$4.06	$4.27	$4.51	$4.77	$5.04	$5.33	$5.63	$5.95
Duke Energy Corporation	DUK	$3.71	$3.85	$4.01	$4.16	$4.32	$4.49	$4.67	$4.86	$5.08	$5.33	$5.60	$5.90	$6.24	$6.59	$6.97	$7.37	$7.79
Empire District Electric Company	EDE	$1.32	$1.36	$1.40	$1.44	$1.49	$1.53	$1.58	$1.63	$1.69	$1.77	$1.85	$1.95	$2.06	$2.18	$2.30	$2.43	$2.57
Great Plains Energy Inc.	GXP	$1.35	$1.42	$1.49	$1.57	$1.65	$1.74	$1.83	$1.92	$2.03	$2.14	$2.25	$2.38	$2.52	$2.66	$2.81	$2.97	$3.14
Hawaiian Electric Industries, Inc.	HE	$1.68	$1.74	$1.80	$1.86	$1.93	$2.00	$2.07	$2.15	$2.24	$2.34	$2.45	$2.59	$2.73	$2.89	$3.05	$3.23	$3.41
IDACORP, Inc.	IDA	$3.37	$3.44	$3.51	$3.58	$3.65	$3.72	$3.80	$3.89	$4.02	$4.18	$4.36	$4.58	$4.85	$5.12	$5.41	$5.72	$6.05
NextEra Energy, Inc.	NEE	$4.56	$4.77	$4.98	$5.20	$5.44	$5.68	$5.94	$6.22	$6.52	$6.85	$7.22	$7.62	$8.05	$8.51	$8.99	$9.51	$10.05
Otter Tail Corporation	OTTR	$1.05	$1.11	$1.18	$1.25	$1.33	$1.41	$1.49	$1.58	$1.67	$1.77	$1.87	$1.98	$2.09	$2.21	$2.34	$2.47	$2.61
Pinnacle West Capital Corporation	PNW	$3.50	$3.64	$3.79	$3.94	$4.09	$4.26	$4.43	$4.62	$4.83	$5.06	$5.32	$5.61	$5.93	$6.27	$6.63	$7.01	$7.41
PNM Resources, Inc.	PNM	$1.31	$1.41	$1.52	$1.63	$1.76	$1.89	$2.03	$2.18	$2.33	$2.49	$2.65	$2.81	$2.97	$3.13	$3.31	$3.50	$3.70
Portland General Electric Company	POR	$1.87	$1.94	$2.00	$2.07	$2.15	$2.22	$2.30	$2.39	$2.49	$2.60	$2.73	$2.88	$3.04	$3.22	$3.40	$3.59	$3.80
Southern Company	SO	$2.67	$2.76	$2.86	$2.96	$3.06	$3.17	$3.28	$3.41	$3.55	$3.72	$3.90	$4.11	$4.34	$4.59	$4.85	$5.13	$5.42
Westar Energy, Inc.	WR	$2.15	$2.21	$2.27	$2.34	$2.40	$2.47	$2.54	$2.62	$2.72	$2.84	$2.97	$3.12	$3.30	$3.49	$3.69	$3.90	$4.12

Projected Annual
Dividend Payout Ratio

Company	Ticker	[31] 2013	[32] 2014	[33] 2015	[34] 2016	[35] 2017	[36] 2018	[37] 2019	[38] 2020	[39] 2021	[40] 2022	[41] 2023	[42] 2024	[43] 2025	[44] 2026	[45] 2027	[46] 2028
American Electric Power Company, Inc.	AEP	64.00%	63.75%	63.50%	63.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Cleco Corp.	CNL	54.00%	54.75%	55.50%	56.25%	57.00%	58.44%	59.87%	61.31%	62.74%	64.18%	65.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Duke Energy Corporation	DUK	76.00%	72.75%	69.50%	66.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Empire District Electric Company	EDE	68.00%	67.00%	66.00%	65.00%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Great Plains Energy Inc.	GXP	55.00%	57.75%	60.50%	63.25%	66.00%	66.15%	66.30%	66.45%	66.60%	66.75%	66.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Hawaiian Electric Industries, Inc.	HE	78.00%	77.00%	76.00%	75.00%	74.00%	73.01%	72.01%	71.02%	70.03%	69.03%	68.04%	67.05%	67.05%	67.05%	67.05%	67.05%
IDACORP, Inc.	IDA	45.00%	49.00%	53.00%	57.00%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
NextEra Energy, Inc.	NEE	54.00%	55.25%	56.50%	57.75%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Otter Tail Corporation	OTTR	87.00%	80.00%	73.00%	66.00%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Pinnacle West Capital Corporation	PNW	62.00%	62.50%	63.00%	63.50%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
PNM Resources, Inc.	PNM	50.00%	50.25%	50.50%	50.75%	51.00%	53.29%	55.58%	57.88%	60.17%	62.46%	64.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Portland General Electric Company	POR	66.00%	63.50%	61.00%	58.50%	56.00%	57.58%	59.16%	60.73%	62.31%	63.89%	65.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Southern Company	SO	75.00%	74.25%	73.50%	72.75%	72.00%	71.29%	70.58%	69.88%	69.17%	68.46%	67.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Westar Energy, Inc.	WR	55.00%	56.25%	57.50%	58.75%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual
Cash Flows

Company	Ticker	[47] 2013	[48] 2014	[49] 2015	[50] 2016	[51] 2017	[52] 2018	[53] 2019	[54] 2020	[55] 2021	[56] 2022	[57] 2023	[58] 2024	[59] 2025	[60] 2026	[61] 2027	[62] 2028	[63] Terminal Value
American Electric Power Company, Inc.	AEP	$1.99	$2.06	$2.14	$2.22	$2.31	$2.43	$2.56	$2.71	$2.87	$3.04	$3.24	$3.45	$3.65	$3.86	$4.08	$4.31	$100.96
Cleco Corp.	CNL	$1.52	$1.61	$1.71	$1.81	$1.92	$2.05	$2.20	$2.37	$2.55	$2.74	$2.96	$3.20	$3.38	$3.57	$3.77	$3.99	$104.69
Duke Energy Corporation	DUK	$2.93	$2.91	$2.89	$2.86	$2.83	$2.97	$3.12	$3.29	$3.48	$3.69	$3.92	$4.18	$4.42	$4.67	$4.94	$5.22	$148.76
Empire District Electric Company	EDE	$0.92	$0.94	$0.95	$0.97	$0.98	$1.02	$1.06	$1.11	$1.16	$1.23	$1.30	$1.38	$1.46	$1.54	$1.63	$1.73	$48.51
Great Plains Energy Inc.	GXP	$0.78	$0.86	$0.95	$1.04	$1.15	$1.21	$1.27	$1.35	$1.42	$1.50	$1.59	$1.69	$1.78	$1.89	$1.99	$2.11	$52.67
Hawaiian Electric Industries, Inc.	HE	$1.36	$1.39	$1.42	$1.45	$1.48	$1.51	$1.54	$1.59	$1.64	$1.69	$1.76	$1.83	$1.94	$2.05	$2.16	$2.29	$52.51
IDACORP, Inc.	IDA	$1.55	$1.72	$1.90	$2.08	$2.27	$2.35	$2.44	$2.56	$2.69	$2.85	$3.03	$3.25	$3.43	$3.63	$3.84	$4.06	$112.68
NextEra Energy, Inc.	NEE	$2.57	$2.75	$2.94	$3.14	$3.35	$3.57	$3.81	$4.07	$4.36	$4.67	$5.02	$5.40	$5.71	$6.03	$6.37	$6.74	$191.61
Otter Tail Corporation	OTTR	$0.97	$0.94	$0.91	$0.87	$0.83	$0.90	$0.97	$1.04	$1.13	$1.21	$1.30	$1.40	$1.48	$1.57	$1.66	$1.75	$63.50
Pinnacle West Capital Corporation	PNW	$2.26	$2.37	$2.48	$2.60	$2.73	$2.85	$3.00	$3.15	$3.33	$3.52	$3.74	$3.98	$4.20	$4.44	$4.70	$4.97	$117.55
PNM Resources, Inc.	PNM	$0.70	$0.76	$0.82	$0.89	$0.96	$1.08	$1.21	$1.35	$1.50	$1.65	$1.82	$1.99	$2.10	$2.22	$2.35	$2.48	$56.03
Portland General Electric Company	POR	$1.28	$1.27	$1.26	$1.26	$1.24	$1.32	$1.41	$1.51	$1.62	$1.75	$1.88	$2.04	$2.16	$2.28	$2.41	$2.55	$65.66
Southern Company	SO	$2.07	$2.12	$2.18	$2.23	$2.28	$2.34	$2.41	$2.48	$2.57	$2.67	$2.78	$2.91	$3.08	$3.25	$3.44	$3.64	$86.96
Westar Energy, Inc.	WR	$1.22	$1.28	$1.34	$1.41	$1.48	$1.55	$1.63	$1.71	$1.82	$1.93	$2.06	$2.21	$2.34	$2.47	$2.62	$2.76	$70.67

Projected Annual Data
Investor Cash Flows

Company	Ticker	[64] Initial Outflow	[65] 4/15/14	[66] 12/31/14	[67] 6/30/15	[68] 6/30/16	[69] 6/30/17	[70] 6/30/18	[71] 6/30/19	[72] 6/30/20	[73] 6/30/21	[74] 6/30/22	[75] 6/30/23	[76] 6/30/24	[77] 6/30/25	[78] 6/30/26	[79] 6/30/27	[80] 6/30/28
American Electric Power Company, Inc.	AEP	($46.69)	$0.00	$1.45	$2.14	$2.22	$2.31	$2.43	$2.56	$2.71	$2.87	$3.04	$3.24	$3.45	$3.65	$3.86	$4.08	$105.27
Cleco Corp.	CNL	($47.08)	$0.00	$1.11	$1.71	$1.81	$1.92	$2.05	$2.20	$2.37	$2.55	$2.74	$2.96	$3.20	$3.38	$3.57	$3.77	$108.68
Duke Energy Corporation	DUK	($69.39)	$0.00	$2.13	$2.89	$2.86	$2.83	$2.97	$3.12	$3.29	$3.48	$3.69	$3.92	$4.18	$4.42	$4.67	$4.94	$153.98
Empire District Electric Company	EDE	($22.71)	$0.00	$0.67	$0.95	$0.97	$0.98	$1.02	$1.06	$1.11	$1.16	$1.23	$1.30	$1.38	$1.46	$1.54	$1.63	$50.23
Great Plains Energy Inc.	GXP	($24.16)	$0.00	$0.57	$0.95	$1.04	$1.15	$1.21	$1.27	$1.35	$1.42	$1.50	$1.59	$1.69	$1.78	$1.89	$1.99	$54.78
Hawaiian Electric Industries, Inc.	HE	($25.58)	$0.00	$0.98	$1.42	$1.45	$1.48	$1.51	$1.54	$1.59	$1.64	$1.69	$1.76	$1.83	$1.94	$2.05	$2.16	$54.80
IDACORP, Inc.	IDA	($51.73)	$0.00	$1.11	$1.90	$2.08	$2.27	$2.35	$2.44	$2.56	$2.69	$2.85	$3.03	$3.25	$3.43	$3.63	$3.84	$116.73
NextEra Energy, Inc.	NEE	($86.64)	$0.00	$1.87	$2.94	$3.14	$3.35	$3.57	$3.81	$4.07	$4.36	$4.67	$5.02	$5.40	$5.71	$6.03	$6.37	$198.34
Otter Tail Corporation	OTTR	($29.04)	$0.00	$0.71	$0.91	$0.87	$0.83	$0.90	$0.97	$1.04	$1.13	$1.21	$1.30	$1.40	$1.48	$1.57	$1.66	$65.25
Pinnacle West Capital Corporation	PNW	($54.52)	$0.00	$1.64	$2.48	$2.60	$2.73	$2.85	$3.00	$3.15	$3.33	$3.52	$3.74	$3.98	$4.20	$4.44	$4.70	$122.52
PNM Resources, Inc.	PNM	($24.08)	$0.00	$0.52	$0.82	$0.89	$0.96	$1.08	$1.21	$1.35	$1.50	$1.65	$1.82	$1.99	$2.10	$2.22	$2.35	$58.51
Portland General Electric Company	POR	($29.98)	$0.00	$0.93	$1.26	$1.26	$1.24	$1.32	$1.41	$1.51	$1.62	$1.75	$1.88	$2.04	$2.16	$2.28	$2.41	$68.21
Southern Company	SO	($41.92)	$0.00	$1.50	$2.18	$2.23	$2.28	$2.34	$2.41	$2.48	$2.57	$2.67	$2.78	$2.91	$3.08	$3.25	$3.44	$90.60
Westar Energy, Inc.	WR	($32.49)	$0.00	$0.88	$1.34	$1.41	$1.48	$1.55	$1.63	$1.71	$1.82	$1.93	$2.06	$2.21	$2.34	$2.47	$2.62	$73.44

Multi-Stage Growth Discounted Cash Flow Model - Electric Proxy Group
180 Day Average Stock Price
High EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term		Payout Ratio		Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	High Growth	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
American Electric Power Company, Inc.	AEP	$46.69	4.30%	4.23%	4.50%	4.50%	5.70%	64.00%	63.00%	67.05%	($0.00)	10.31%	15.40	2.70
Cleco Corp.	CNL	$47.08	8.00%	8.00%	4.50%	8.00%	5.70%	54.00%	57.00%	67.05%	($0.00)	10.87%	13.71	2.40
Duke Energy Corporation	DUK	$69.39	3.90%	3.92%	4.00%	4.00%	5.70%	76.00%	63.00%	67.05%	($0.00)	9.44%	18.96	3.32
Empire District Electric Company	EDE	$22.71	3.00%	3.00%	4.00%	4.00%	5.70%	68.00%	64.00%	67.05%	($0.00)	9.76%	17.47	3.06
Great Plains Energy Inc.	GXP	$24.16	5.20%	5.17%	6.00%	6.00%	5.70%	55.00%	66.00%	67.05%	($0.00)	10.20%	15.78	2.77
Hawaiian Electric Industries, Inc.	HE	$25.58	6.00%	4.20%	3.50%	6.00%	5.70%	78.00%	74.00%	67.05%	($0.00)	11.25%	12.78	2.24
IDACORP, Inc.	IDA	$51.73	4.00%	4.00%	2.00%	4.00%	5.70%	45.00%	61.00%	67.05%	($0.00)	10.13%	16.03	2.81
NextEra Energy, Inc.	NEE	$86.64	6.10%	6.48%	4.50%	6.48%	5.70%	54.00%	59.00%	67.05%	($0.00)	10.00%	16.50	2.89
Otter Tail Corporation	OTTR	$29.04	NA	6.00%	15.00%	15.00%	5.70%	87.00%	59.00%	67.05%	($0.00)	11.15%	13.02	2.28
Pinnacle West Capital Corporation	PNW	$54.52	4.60%	4.13%	4.00%	4.60%	5.70%	62.00%	64.00%	67.05%	($0.00)	10.37%	15.18	2.66
PNM Resources, Inc.	PNM	$24.08	7.60%	8.20%	12.00%	12.00%	5.70%	50.00%	51.00%	67.05%	($0.00)	11.97%	11.31	1.98
Portland General Electric Company	POR	$29.98	6.60%	10.89%	3.50%	10.89%	5.70%	66.00%	56.00%	67.05%	($0.00)	12.55%	10.36	1.82
Southern Company	SO	$41.92	3.70%	3.55%	3.50%	3.70%	5.70%	75.00%	72.00%	67.05%	($0.00)	10.19%	15.79	2.77
Westar Energy, Inc.	WR	$32.49	4.30%	2.80%	6.00%	6.00%	5.70%	55.00%	60.00%	67.05%	($0.00)	10.93%	13.57	2.38

	DCF Result	Flotation Cost	DCF Result - w/ Flotation Cost
Mean	10.65%	0.14%	10.79%
Max	12.55%	0.14%	12.68%
Min	9.44%	0.14%	9.58%

Projected Annual
Earnings per Share

Company	Ticker	[14] 2012	[15] 2013	[16] 2014	[17] 2015	[18] 2016	[19] 2017	[20] 2018	[21] **2019**	[22] 2020	[23] 2021	[24] 2022	[25] 2023	[26] **2024**	[27] 2025	[28] 2026	[29] 2027	[30] 2028
American Electric Power Company, Inc.	AEP	$2.98	$3.11	$3.25	$3.40	$3.55	$3.71	$3.88	$4.06	$4.26	$4.48	$4.72	$4.98	$5.26	$5.56	$5.88	$6.21	$6.57
Cleco Corp.	CNL	$2.70	$2.92	$3.15	$3.40	$3.67	$3.97	$4.28	$4.61	$4.94	$5.28	$5.63	$5.97	$6.31	$6.67	$7.05	$7.45	$7.88
Duke Energy Corporation	DUK	$3.71	$3.86	$4.01	$4.17	$4.34	$4.51	$4.69	$4.90	$5.12	$5.37	$5.64	$5.95	$6.29	$6.65	$7.03	$7.43	$7.85
Empire District Electric Company	EDE	$1.32	$1.37	$1.43	$1.48	$1.54	$1.61	$1.67	$1.74	$1.82	$1.91	$2.01	$2.12	$2.24	$2.37	$2.50	$2.64	$2.79
Great Plains Energy Inc.	GXP	$1.35	$1.43	$1.52	$1.61	$1.70	$1.81	$1.92	$2.03	$2.15	$2.27	$2.41	$2.54	$2.69	$2.84	$3.01	$3.18	$3.36
Hawaiian Electric Industries, Inc.	HE	$1.68	$1.78	$1.89	$2.00	$2.12	$2.25	$2.38	$2.52	$2.67	$2.83	$2.99	$3.17	$3.35	$3.54	$3.74	$3.95	$4.18
IDACORP, Inc.	IDA	$3.37	$3.50	$3.64	$3.79	$3.94	$4.10	$4.26	$4.45	$4.65	$4.88	$5.13	$5.40	$5.71	$6.04	$6.38	$6.75	$7.13
NextEra Energy, Inc.	NEE	$4.56	$4.86	$5.17	$5.51	$5.86	$6.24	$6.65	$7.07	$7.51	$7.97	$8.44	$8.93	$9.44	$9.98	$10.55	$11.15	$11.79
Otter Tail Corporation	OTTR	$1.05	$1.21	$1.39	$1.60	$1.84	$2.11	$2.43	$2.76	$3.08	$3.40	$3.70	$3.97	$4.20	$4.44	$4.69	$4.96	$5.24
Pinnacle West Capital Corporation	PNW	$3.50	$3.66	$3.83	$4.01	$4.19	$4.38	$4.58	$4.80	$5.04	$5.30	$5.58	$5.89	$6.23	$6.58	$6.96	$7.36	$7.78
PNM Resources, Inc.	PNM	$1.31	$1.47	$1.64	$1.84	$2.06	$2.31	$2.59	$2.87	$3.15	$3.43	$3.70	$3.95	$4.18	$4.41	$4.66	$4.93	$5.21
Portland General Electric Company	POR	$1.87	$2.07	$2.30	$2.55	$2.83	$3.14	$3.48	$3.83	$4.18	$4.52	$4.86	$5.18	$5.47	$5.79	$6.12	$6.46	$6.83
Southern Company	SO	$2.67	$2.77	$2.87	$2.98	$3.09	$3.20	$3.32	$3.45	$3.61	$3.77	$3.96	$4.18	$4.42	$4.67	$4.93	$5.22	$5.51
Westar Energy, Inc.	WR	$2.15	$2.28	$2.42	$2.56	$2.71	$2.88	$3.05	$3.23	$3.42	$3.62	$3.83	$4.05	$4.28	$4.53	$4.79	$5.06	$5.35

Projected Annual
Dividend Payout Ratio

Company	Ticker	[31] 2013	[32] 2014	[33] 2015	[34] 2016	[35] 2017	[36] 2018	[37] 2019	[38] 2020	[39] 2021	[40] 2022	[41] 2023	[42] 2024	[43] 2025	[44] 2026	[45] 2027	[46] 2028
American Electric Power Company, Inc.	AEP	64.00%	63.75%	63.50%	63.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Cleco Corp.	CNL	54.00%	54.75%	55.50%	56.25%	57.00%	58.44%	59.87%	61.31%	62.74%	64.18%	65.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Duke Energy Corporation	DUK	76.00%	72.75%	69.50%	66.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Empire District Electric Company	EDE	68.00%	67.00%	66.00%	65.00%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Great Plains Energy Inc.	GXP	55.00%	57.75%	60.50%	63.25%	66.00%	66.15%	66.30%	66.45%	66.60%	66.75%	66.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Hawaiian Electric Industries, Inc.	HE	78.00%	77.00%	76.00%	75.00%	74.00%	73.01%	72.01%	71.02%	70.03%	69.03%	68.04%	67.05%	67.05%	67.05%	67.05%	67.05%
IDACORP, Inc.	IDA	45.00%	49.00%	53.00%	57.00%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
NextEra Energy, Inc.	NEE	54.00%	55.25%	56.50%	57.75%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Otter Tail Corporation	OTTR	87.00%	80.00%	73.00%	66.00%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Pinnacle West Capital Corporation	PNW	62.00%	62.50%	63.00%	63.50%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
PNM Resources, Inc.	PNM	50.00%	50.25%	50.50%	50.75%	51.00%	53.29%	55.58%	57.88%	60.17%	62.46%	64.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Portland General Electric Company	POR	66.00%	63.50%	61.00%	58.50%	56.00%	57.58%	59.16%	60.73%	62.31%	63.89%	65.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Southern Company	SO	75.00%	74.25%	73.50%	72.75%	72.00%	71.29%	70.58%	69.88%	69.17%	68.46%	67.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Westar Energy, Inc.	WR	55.00%	56.25%	57.50%	58.75%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual
Cash Flows

Company	Ticker	[47] 2013	[48] 2014	[49] 2015	[50] 2016	[51] 2017	[52] 2018	[53] 2019	[54] 2020	[55] 2021	[56] 2022	[57] 2023	[58] 2024	[59] 2025	[60] 2026	[61] 2027	[62] 2028	[63] Terminal Value
American Electric Power Company, Inc.	AEP	$1.99	$2.07	$2.16	$2.25	$2.34	$2.47	$2.61	$2.76	$2.93	$3.11	$3.31	$3.53	$3.73	$3.94	$4.17	$4.40	$101.17
Cleco Corp.	CNL	$1.57	$1.72	$1.89	$2.07	$2.26	$2.50	$2.76	$3.03	$3.31	$3.61	$3.92	$4.23	$4.47	$4.73	$5.00	$5.28	$107.98
Duke Energy Corporation	DUK	$2.93	$2.92	$2.90	$2.88	$2.84	$2.98	$3.14	$3.31	$3.51	$3.72	$3.95	$4.22	$4.46	$4.71	$4.98	$5.26	$148.85
Empire District Electric Company	EDE	$0.93	$0.96	$0.98	$1.00	$1.03	$1.08	$1.13	$1.19	$1.26	$1.33	$1.41	$1.50	$1.59	$1.68	$1.77	$1.87	$48.81
Great Plains Energy Inc.	GXP	$0.79	$0.88	$0.97	$1.08	$1.19	$1.27	$1.35	$1.43	$1.51	$1.61	$1.70	$1.80	$1.91	$2.02	$2.13	$2.25	$52.99
Hawaiian Electric Industries, Inc.	HE	$1.39	$1.45	$1.52	$1.59	$1.66	$1.74	$1.82	$1.90	$1.98	$2.07	$2.15	$2.24	$2.37	$2.51	$2.65	$2.80	$53.40
IDACORP, Inc.	IDA	$1.58	$1.79	$2.01	$2.25	$2.50	$2.64	$2.79	$2.96	$3.14	$3.35	$3.58	$3.83	$4.05	$4.28	$4.52	$4.78	$114.31
NextEra Energy, Inc.	NEE	$2.62	$2.86	$3.11	$3.39	$3.68	$4.00	$4.33	$4.69	$5.07	$5.46	$5.89	$6.33	$6.69	$7.07	$7.48	$7.90	$194.50
Otter Tail Corporation	OTTR	$1.05	$1.11	$1.17	$1.21	$1.25	$1.46	$1.69	$1.93	$2.16	$2.40	$2.62	$2.81	$2.97	$3.14	$3.32	$3.51	$68.22
Pinnacle West Capital Corporation	PNW	$2.27	$2.39	$2.52	$2.66	$2.80	$2.95	$3.12	$3.29	$3.49	$3.70	$3.93	$4.18	$4.41	$4.67	$4.93	$5.21	$118.08
PNM Resources, Inc.	PNM	$0.73	$0.83	$0.93	$1.05	$1.18	$1.38	$1.59	$1.82	$2.07	$2.31	$2.56	$2.80	$2.96	$3.13	$3.31	$3.49	$58.94
Portland General Electric Company	POR	$1.37	$1.46	$1.56	$1.65	$1.76	$2.00	$2.26	$2.54	$2.82	$3.10	$3.39	$3.67	$3.88	$4.10	$4.33	$4.58	$70.78
Southern Company	SO	$2.08	$2.13	$2.19	$2.25	$2.31	$2.37	$2.44	$2.52	$2.61	$2.71	$2.83	$2.96	$3.13	$3.31	$3.50	$3.70	$87.07
Westar Energy, Inc.	WR	$1.25	$1.36	$1.47	$1.59	$1.73	$1.86	$2.00	$2.16	$2.32	$2.49	$2.68	$2.87	$3.04	$3.21	$3.39	$3.59	$72.57

Projected Annual Data
Investor Cash Flows

Company	Ticker	[64] Initial Outflow	[65] 4/15/14	[66] 12/31/14	[67] 6/30/15	[68] 6/30/16	[69] 6/30/17	[70] 6/30/18	[71] 6/30/19	[72] 6/30/20	[73] 6/30/21	[74] 6/30/22	[75] 6/30/23	[76] 6/30/24	[77] 6/30/25	[78] 6/30/26	[79] 6/30/27	[80] 6/30/28
American Electric Power Company, Inc.	AEP	($46.69)	$0.00	$1.45	$2.16	$2.25	$2.34	$2.47	$2.61	$2.76	$2.93	$3.11	$3.31	$3.53	$3.73	$3.94	$4.17	$105.57
Cleco Corp.	CNL	($47.08)	$0.00	$1.17	$1.89	$2.07	$2.26	$2.50	$2.76	$3.03	$3.31	$3.61	$3.92	$4.23	$4.47	$4.73	$5.00	$113.26
Duke Energy Corporation	DUK	($69.39)	$0.00	$2.13	$2.90	$2.88	$2.84	$2.98	$3.14	$3.31	$3.51	$3.72	$3.95	$4.22	$4.46	$4.71	$4.98	$154.11
Empire District Electric Company	EDE	($22.71)	$0.00	$0.68	$0.98	$1.00	$1.03	$1.08	$1.13	$1.19	$1.26	$1.33	$1.41	$1.50	$1.59	$1.68	$1.77	$50.68
Great Plains Energy Inc.	GXP	($24.16)	$0.00	$0.58	$0.97	$1.08	$1.19	$1.27	$1.35	$1.43	$1.51	$1.61	$1.70	$1.80	$1.91	$2.02	$2.13	$55.24
Hawaiian Electric Industries, Inc.	HE	($25.58)	$0.00	$1.02	$1.52	$1.59	$1.66	$1.74	$1.82	$1.90	$1.98	$2.07	$2.15	$2.24	$2.37	$2.51	$2.65	$56.21
IDACORP, Inc.	IDA	($51.73)	$0.00	$1.15	$2.01	$2.25	$2.50	$2.64	$2.79	$2.96	$3.14	$3.35	$3.58	$3.83	$4.05	$4.28	$4.52	$119.09
NextEra Energy, Inc.	NEE	($86.64)	$0.00	$1.93	$3.11	$3.39	$3.68	$4.00	$4.33	$4.69	$5.07	$5.46	$5.89	$6.33	$6.69	$7.07	$7.48	$202.40
Otter Tail Corporation	OTTR	($29.04)	$0.00	$0.80	$1.17	$1.21	$1.25	$1.46	$1.69	$1.93	$2.16	$2.40	$2.62	$2.81	$2.97	$3.14	$3.32	$71.73
Pinnacle West Capital Corporation	PNW	($54.52)	$0.00	$1.65	$2.52	$2.66	$2.80	$2.95	$3.12	$3.29	$3.49	$3.70	$3.93	$4.18	$4.41	$4.67	$4.93	$123.29
PNM Resources, Inc.	PNM	($24.08)	$0.00	$0.55	$0.93	$1.05	$1.18	$1.38	$1.59	$1.82	$2.07	$2.31	$2.56	$2.80	$2.96	$3.13	$3.31	$62.43
Portland General Electric Company	POR	($29.98)	$0.00	$1.03	$1.56	$1.65	$1.76	$2.00	$2.26	$2.54	$2.82	$3.10	$3.39	$3.67	$3.88	$4.10	$4.33	$75.36
Southern Company	SO	($41.92)	$0.00	$1.51	$2.19	$2.25	$2.31	$2.37	$2.44	$2.52	$2.61	$2.71	$2.83	$2.96	$3.13	$3.31	$3.50	$90.76
Westar Energy, Inc.	WR	($32.49)	$0.00	$0.92	$1.47	$1.59	$1.73	$1.86	$2.00	$2.16	$2.32	$2.49	$2.68	$2.87	$3.04	$3.21	$3.39	$76.15

Multi-Stage Growth Discounted Cash Flow Model - Combined Proxy Group
30 Day Average Stock Price
Average EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term		Payout Ratio		Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	Average	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
American Electric Power Company, Inc.	AEP	$50.06	4.30%	4.23%	4.50%	4.34%	5.70%	64.00%	63.00%	67.05%	($0.00)	9.94%	16.73	2.93
Cleco Corp.	CNL	$49.74	8.00%	8.00%	4.50%	6.83%	5.70%	54.00%	57.00%	67.05%	($0.00)	10.22%	15.69	2.75
Duke Energy Corporation	DUK	$70.52	3.90%	3.92%	4.00%	3.94%	5.70%	76.00%	63.00%	67.05%	($0.00)	9.36%	19.36	3.39
Empire District Electric Company	EDE	$23.98	3.00%	3.00%	4.00%	3.33%	5.70%	68.00%	64.00%	67.05%	($0.00)	9.35%	19.43	3.41
Great Plains Energy Inc.	GXP	$26.49	5.20%	5.17%	6.00%	5.46%	5.70%	55.00%	66.00%	67.05%	($0.00)	9.64%	18.01	3.16
Hawaiian Electric Industries, Inc.	HE	$24.77	6.00%	4.20%	3.50%	4.57%	5.70%	78.00%	74.00%	67.05%	($0.00)	10.87%	13.72	2.41
IDACORP, Inc.	IDA	$55.09	4.00%	4.00%	2.00%	3.33%	5.70%	45.00%	61.00%	67.05%	($0.00)	9.66%	17.94	3.14
NextEra Energy, Inc.	NEE	$94.11	6.10%	6.48%	4.50%	5.69%	5.70%	54.00%	59.00%	67.05%	($0.00)	9.44%	18.95	3.32
Otter Tail Corporation	OTTR	$30.39	NA	6.00%	15.00%	10.50%	5.70%	87.00%	59.00%	67.05%	($0.00)	9.56%	18.37	3.22
Pinnacle West Capital Corporation	PNW	$54.61	4.60%	4.13%	4.00%	4.24%	5.70%	62.00%	64.00%	67.05%	($0.00)	10.24%	15.62	2.74
PNM Resources, Inc.	PNM	$26.78	7.60%	8.20%	12.00%	9.27%	5.70%	50.00%	51.00%	67.05%	($0.00)	10.45%	14.94	2.62
Portland General Electric Company	POR	$32.09	6.60%	10.89%	3.50%	7.00%	5.70%	66.00%	56.00%	67.05%	($0.00)	10.64%	14.37	2.52
Southern Company	SO	$43.39	3.70%	3.55%	3.50%	3.58%	5.70%	75.00%	72.00%	67.05%	$0.00	9.99%	16.52	2.90
Westar Energy, Inc.	WR	$34.64	4.30%	2.80%	6.00%	4.37%	5.70%	55.00%	60.00%	67.05%	$0.00	10.06%	16.27	2.85
Alliant Energy Corporation	LNT	$55.37	5.50%	5.40%	6.00%	5.63%	5.70%	64.00%	58.00%	67.05%	$0.00	9.95%	16.67	2.92
Black H lls Corporation	BKH	$57.15	4.00%	7.00%	13.00%	8.00%	5.70%	55.00%	54.00%	67.05%	($0.00)	8.84%	22.61	3.96
CMS Energy Corporation	CMS	$28.83	6.00%	6.24%	6.50%	6.25%	5.70%	60.00%	60.00%	67.05%	$0.00	9.99%	16.52	2.90
DTE Energy Company	DTE	$72.84	6.20%	5.21%	5.00%	5.47%	5.70%	67.00%	61.00%	67.05%	$0.00	9.81%	17.27	3.03
SCANA Corporation	SCG	$50.42	4.50%	4.60%	5.00%	4.70%	5.70%	59.00%	53.00%	67.05%	$0.00	10.12%	16.03	2.81
TECO Energy, Inc.	TE	$16.94	5.00%	0.17%	2.00%	2.39%	5.70%	97.00%	71.00%	67.05%	$0.00	10.09%	16.16	2.83
Vectren Corporation	VVC	$38.47	4.70%	4.50%	8.50%	5.90%	5.70%	86.00%	53.00%	67.05%	$0.00	9.69%	17.78	3.12

	DCF Resu	Flotation Cost	DCF Result - w/ Flotation Cost
Mean	9.90%	0.14%	10.04%
Max	10.87%	0.14%	11.01%
Min	8.84%	0.14%	8.98%

Projected Annual
Earnings per Share

Company	Ticker	[14] 2012	[15] 2013	[16] 2014	[17] 2015	[18] 2016	[19] 2017	[20] 2018	[21] **2019**	[22] 2020	[23] 2021	[24] 2022	[25] 2023	[26] **2024**	[27] 2025	[28] 2026	[29] 2027	[30] 2028
American Electric Power Company, Inc.	AEP	$2.98	$3.11	$3.24	$3.39	$3.53	$3.69	$3.85	$4.02	$4.21	$4.43	$4.66	$4.91	$5.19	$5.49	$5.80	$6.14	$6.49
Cleco Corp.	CNL	$2.70	$2.88	$3.08	$3.29	$3.52	$3.76	$4.01	$4.28	$4.56	$4.84	$5.14	$5.44	$5.75	$6.08	$6.43	$6.79	$7.18
Duke Energy Corporation	DUK	$3.71	$3.86	$4.01	$4.17	$4.33	$4.50	$4.68	$4.88	$5.10	$5.34	$5.62	$5.92	$6.26	$6.61	$6.99	$7.39	$7.81
Empire District Electric Company	EDE	$1.32	$1.36	$1.41	$1.46	$1.50	$1.56	$1.61	$1.67	$1.74	$1.81	$1.90	$2.00	$2.12	$2.24	$2.37	$2.50	$2.65
Great Plains Energy Inc.	GXP	$1.35	$1.42	$1.50	$1.58	$1.67	$1.76	$1.86	$1.96	$2.07	$2.18	$2.31	$2.44	$2.58	$2.72	$2.88	$3.04	$3.21
Hawaiian Electric Industries, Inc.	HE	$1.68	$1.76	$1.84	$1.92	$2.01	$2.10	$2.20	$2.30	$2.41	$2.54	$2.67	$2.82	$2.98	$3.15	$3.33	$3.52	$3.72
IDACORP, Inc.	IDA	$3.37	$3.48	$3.60	$3.72	$3.84	$3.97	$4.10	$4.26	$4.43	$4.63	$4.86	$5.12	$5.41	$5.72	$6.04	$6.39	$6.75
NextEra Energy, Inc.	NEE	$4.56	$4.82	$5.09	$5.38	$5.69	$6.01	$6.36	$6.72	$7.10	$7.51	$7.93	$8.39	$8.87	$9.37	$9.91	$10.47	$11.07
Otter Tail Corporation	OTTR	$1.05	$1.16	$1.28	$1.42	$1.57	$1.73	$1.91	$2.10	$2.28	$2.47	$2.65	$2.82	$2.98	$3.15	$3.33	$3.52	$3.72
Pinnacle West Capital Corporation	PNW	$3.50	$3.65	$3.80	$3.96	$4.13	$4.31	$4.49	$4.69	$4.91	$5.16	$5.43	$5.72	$6.05	$6.40	$6.76	$7.15	$7.55
PNM Resources, Inc.	PNM	$1.31	$1.43	$1.56	$1.71	$1.87	$2.04	$2.23	$2.42	$2.62	$2.81	$3.01	$3.20	$3.38	$3.57	$3.78	$3.99	$4.22
Portland General Electric Company	POR	$1.87	$2.00	$2.14	$2.29	$2.45	$2.62	$2.81	$3.00	$3.19	$3.40	$3.60	$3.82	$4.04	$4.27	$4.51	$4.77	$5.04
Southern Company	SO	$2.67	$2.77	$2.86	$2.97	$3.07	$3.18	$3.30	$3.43	$3.57	$3.74	$3.93	$4.14	$4.37	$4.62	$4.89	$5.17	$5.46
Westar Energy, Inc.	WR	$2.15	$2.24	$2.34	$2.44	$2.55	$2.66	$2.78	$2.91	$3.05	$3.20	$3.37	$3.55	$3.75	$3.97	$4.20	$4.43	$4.69
Alliant Energy Corporation	LNT	$3.05	$3.22	$3.40	$3.60	$3.80	$4.01	$4.24	$4.48	$4.73	$5.00	$5.28	$5.58	$5.90	$6.24	$6.59	$6.97	$7.37
Black H lls Corporation	BKH	$1.97	$2.13	$2.30	$2.48	$2.68	$2.89	$3.13	$3.36	$3.61	$3.85	$4.10	$4.35	$4.60	$4.87	$5.14	$5.44	$5.75
CMS Energy Corporation	CMS	$1.53	$1.63	$1.73	$1.84	$1.95	$2.07	$2.20	$2.34	$2.48	$2.63	$2.78	$2.94	$3.11	$3.29	$3.47	$3.67	$3.88
DTE Energy Company	DTE	$3.88	$4.09	$4.32	$4.55	$4.80	$5.06	$5.34	$5.64	$5.95	$6.28	$6.63	$7.01	$7.41	$7.83	$8.28	$8.75	$9.25
SCANA Corporation	SCG	$3.15	$3.30	$3.45	$3.62	$3.79	$3.96	$4.15	$4.35	$4.57	$4.81	$5.07	$5.35	$5.65	$5.97	$6.32	$6.68	$7.06
TECO Energy, Inc.	TE	$1.14	$1.17	$1.20	$1.22	$1.25	$1.28	$1.31	$1.35	$1.40	$1.46	$1.52	$1.60	$1.69	$1.79	$1.89	$2.00	$2.11
Vectren Corporation	VVC	$1.94	$2.05	$2.18	$2.30	$2.44	$2.58	$2.74	$2.90	$3.07	$3.24	$3.43	$3.63	$3.83	$4.05	$4.28	$4.53	$4.79

Projected Annual
Dividend Payout Ratio

Company	Ticker	[31] 2013	[32] 2014	[33] 2015	[34] 2016	[35] 2017	[36] 2018	[37] 2019	[38] 2020	[39] 2021	[40] 2022	[41] 2023	[42] 2024	[43] 2025	[44] 2026	[45] 2027	[46] 2028
American Electric Power Company, Inc.	AEP	64.00%	63.75%	63.50%	63.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Cleco Corp.	CNL	54.00%	54.75%	55.50%	56.25%	57.00%	58.44%	59.87%	61.31%	62.74%	64.18%	65.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Duke Energy Corporation	DUK	76.00%	72.75%	69.50%	66.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Empire District Electric Company	EDE	68.00%	67.00%	66.00%	65.00%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Great Plains Energy Inc.	GXP	55.00%	57.75%	60.50%	63.25%	66.00%	66.15%	66.30%	66.45%	66.60%	66.75%	66.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Hawaiian Electric Industries, Inc.	HE	78.00%	77.00%	76.00%	75.00%	74.00%	73.01%	72.01%	71.02%	70.03%	69.03%	68.04%	67.05%	67.05%	67.05%	67.05%	67.05%
IDACORP, Inc.	IDA	45.00%	49.00%	53.00%	57.00%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
NextEra Energy, Inc.	NEE	54.00%	55.25%	56.50%	57.75%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Otter Tail Corporation	OTTR	87.00%	80.00%	73.00%	66.00%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Pinnacle West Capital Corporation	PNW	62.00%	62.50%	63.00%	63.50%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
PNM Resources, Inc.	PNM	50.00%	50.25%	50.50%	50.75%	51.00%	53.29%	55.58%	57.88%	60.17%	62.46%	64.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Portland General Electric Company	POR	66.00%	63.50%	61.00%	58.50%	56.00%	57.58%	59.16%	60.73%	62.31%	63.89%	65.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Southern Company	SO	75.00%	74.25%	73.50%	72.75%	72.00%	71.29%	70.58%	69.88%	69.17%	68.46%	67.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Westar Energy, Inc.	WR	55.00%	56.25%	57.50%	58.75%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
Alliant Energy Corporation	LNT	64.00%	62.50%	61.00%	59.50%	58.00%	59.29%	60.58%	61.88%	63.17%	64.46%	65.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Black H lls Corporation	BKH	55.00%	54.75%	54.50%	54.25%	54.00%	55.86%	57.73%	59.59%	61.45%	63.32%	65.18%	67.05%	67.05%	67.05%	67.05%	67.05%
CMS Energy Corporation	CMS	60.00%	60.00%	60.00%	60.00%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
DTE Energy Company	DTE	67.00%	65.50%	64.00%	62.50%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
SCANA Corporation	SCG	59.00%	57.50%	56.00%	54.50%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%
TECO Energy, Inc.	TE	97.00%	90.50%	84.00%	77.50%	71.00%	70.44%	69.87%	69.31%	68.74%	68.18%	67.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Vectren Corporation	VVC	86.00%	77.75%	69.50%	61.25%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual
Cash Flows

Company	Ticker	[47] 2013	[48] 2014	[49] 2015	[50] 2016	[51] 2017	[52] 2018	[53] 2019	[54] 2020	[55] 2021	[56] 2022	[57] 2023	[58] 2024	[59] 2025	[60] 2026	[61] 2027	[62] 2028	[63] Terminal Value
American Electric Power Company, Inc.	AEP	$1.99	$2.07	$2.15	$2.23	$2.32	$2.45	$2.58	$2.73	$2.89	$3.07	$3.27	$3.48	$3.68	$3.89	$4.11	$4.35	$108.48
Cleco Corp.	CNL	$1.56	$1.69	$1.83	$1.98	$2.14	$2.35	$2.56	$2.79	$3.04	$3.30	$3.57	$3.86	$4.08	$4.31	$4.55	$4.81	$112.67
Duke Energy Corporation	DUK	$2.93	$2.92	$2.90	$2.87	$2.84	$2.97	$3.13	$3.30	$3.49	$3.70	$3.93	$4.20	$4.43	$4.69	$4.96	$5.24	$151.28
Empire District Electric Company	EDE	$0.93	$0.94	$0.96	$0.98	$1.00	$1.04	$1.08	$1.13	$1.19	$1.26	$1.34	$1.42	$1.50	$1.59	$1.68	$1.77	$51.39
Great Plains Energy Inc.	GXP	$0.78	$0.87	$0.96	$1.06	$1.16	$1.23	$1.30	$1.37	$1.45	$1.54	$1.63	$1.73	$1.82	$1.93	$2.04	$2.16	$57.92
Hawaiian Electric Industries, Inc.	HE	$1.37	$1.41	$1.46	$1.51	$1.55	$1.60	$1.66	$1.71	$1.78	$1.85	$1.92	$2.00	$2.11	$2.23	$2.36	$2.50	$51.09
IDACORP, Inc.	IDA	$1.57	$1.76	$1.97	$2.19	$2.42	$2.54	$2.67	$2.82	$2.99	$3.17	$3.39	$3.63	$3.83	$4.05	$4.28	$4.53	$121.14
NextEra Energy, Inc.	NEE	$2.60	$2.81	$3.04	$3.29	$3.55	$3.82	$4.12	$4.43	$4.77	$5.14	$5.53	$5.94	$6.28	$6.64	$7.02	$7.42	$209.79
Otter Tail Corporation	OTTR	$1.01	$1.03	$1.03	$1.03	$1.02	$1.15	$1.29	$1.43	$1.57	$1.72	$1.86	$2.00	$2.11	$2.23	$2.36	$2.50	$68.39
Pinnacle West Capital Corporation	PNW	$2.26	$2.38	$2.50	$2.62	$2.76	$2.89	$3.04	$3.21	$3.39	$3.59	$3.81	$4.06	$4.29	$4.53	$4.79	$5.07	$117.97
PNM Resources, Inc.	PNM	$0.72	$0.79	$0.86	$0.95	$1.04	$1.19	$1.35	$1.52	$1.69	$1.88	$2.07	$2.27	$2.40	$2.53	$2.68	$2.83	$63.05
Portland General Electric Company	POR	$1.32	$1.36	$1.40	$1.43	$1.47	$1.62	$1.77	$1.94	$2.12	$2.30	$2.50	$2.71	$2.86	$3.02	$3.20	$3.38	$72.37
Southern Company	SO	$2.07	$2.13	$2.18	$2.24	$2.29	$2.35	$2.42	$2.50	$2.59	$2.69	$2.80	$2.93	$3.10	$3.28	$3.46	$3.66	$90.23
Westar Energy, Inc.	WR	$1.23	$1.32	$1.41	$1.50	$1.60	$1.70	$1.80	$1.92	$2.05	$2.19	$2.35	$2.52	$2.66	$2.81	$2.97	$3.14	$76.28
Alliant Energy Corporation	LNT	$2.06	$2.13	$2.19	$2.26	$2.33	$2.51	$2.71	$2.93	$3.16	$3.40	$3.67	$3.96	$4.18	$4.42	$4.67	$4.94	$122.85
Black H lls Corporation	BKH	$1.17	$1.26	$1.35	$1.45	$1.56	$1.75	$1.94	$2.15	$2.37	$2.60	$2.84	$3.09	$3.26	$3.45	$3.64	$3.85	$129.93
CMS Energy Corporation	CMS	$0.98	$1.04	$1.10	$1.17	$1.24	$1.34	$1.45	$1.56	$1.68	$1.81	$1.94	$2.08	$2.20	$2.33	$2.46	$2.60	$64.13
DTE Energy Company	DTE	$2.74	$2.83	$2.91	$3.00	$3.09	$3.30	$3.53	$3.78	$4.05	$4.33	$4.64	$4.97	$5.25	$5.55	$5.87	$6.20	$159.74
SCANA Corporation	SCG	$1.95	$1.99	$2.02	$2.06	$2.10	$2.28	$2.48	$2.70	$2.93	$3.19	$3.48	$3.79	$4.01	$4.23	$4.48	$4.73	$113.15

Multi-Stage Growth Discounted Cash Flow Model - Combined Proxy Group
30 Day Average Stock Price
Average EPS Growth Rate Estimate in First Stage

TECO Energy, Inc.	TE		$1.13	$1.08	$1.03	$0.97	$0.91	$0.93	$0.94	$0.97	$1.00	$1.04	$1.08	$1.14	$1.20	$1.27	$1.34	$1.42	$34.15
Vectren Corporation	VVC		$1.77	$1.69	$1.60	$1.49	$1.37	$1.51	$1.65	$1.81	$1.98	$2.16	$2.36	$2.57	$2.72	$2.87	$3.04	$3.21	$85.13

Projected Annual Data
Investor Cash Flows

		[64]	[65]	[66]	[67]	[68]	[69]	[70]	[71]	[72]	[73]	[74]	[75]	[76]	[77]	[78]	[79]	[80]
Company	Ticker	Initial Outflow	4/15/14	12/31/14	6/30/15	6/30/16	6/30/17	6/30/18	6/30/19	6/30/20	6/30/21	6/30/22	6/30/23	6/30/24	6/30/25	6/30/26	6/30/27	6/30/28
American Electric Power Company, Inc.	AEP	($50.06)	$0.00	$1.45	$2.15	$2.23	$2.32	$2.45	$2.58	$2.73	$2.89	$3.07	$3.27	$3.48	$3.68	$3.89	$4.11	$112.82
Cleco Corp.	CNL	($49.74)	$0.00	$1.15	$1.83	$1.98	$2.14	$2.35	$2.56	$2.79	$3.04	$3.30	$3.57	$3.86	$4.08	$4.31	$4.55	$117.48
Duke Energy Corporation	DUK	($70.52)	$0.00	$2.13	$2.90	$2.87	$2.84	$2.97	$3.13	$3.30	$3.49	$3.70	$3.93	$4.20	$4.43	$4.69	$4.96	$156.52
Empire District Electric Company	EDE	($23.98)	$0.00	$0.67	$0.96	$0.98	$1.00	$1.04	$1.08	$1.13	$1.19	$1.26	$1.34	$1.42	$1.50	$1.59	$1.68	$53.17
Great Plains Energy Inc.	GXP	($26.49)	$0.00	$0.57	$0.96	$1.06	$1.16	$1.23	$1.30	$1.37	$1.45	$1.54	$1.63	$1.73	$1.82	$1.93	$2.04	$60.07
Hawaiian Electric Industries, Inc.	HE	($24.77)	$0.00	$1.00	$1.46	$1.51	$1.55	$1.60	$1.66	$1.71	$1.78	$1.85	$1.92	$2.00	$2.11	$2.23	$2.36	$53.59
IDACORP, Inc.	IDA	($55.09)	$0.00	$1.13	$1.97	$2.19	$2.42	$2.54	$2.67	$2.82	$2.99	$3.17	$3.39	$3.63	$3.83	$4.05	$4.28	$125.66
NextEra Energy, Inc.	NEE	($94.11)	$0.00	$1.91	$3.04	$3.29	$3.55	$3.82	$4.12	$4.43	$4.77	$5.14	$5.53	$5.94	$6.28	$6.64	$7.02	$217.21
Otter Tail Corporation	OTTR	($30.39)	$0.00	$0.76	$1.03	$1.03	$1.02	$1.15	$1.29	$1.43	$1.57	$1.72	$1.86	$2.00	$2.11	$2.23	$2.36	$70.89
Pinnacle West Capital Corporation	PNW	($54.61)	$0.00	$1.65	$2.50	$2.62	$2.76	$2.89	$3.04	$3.21	$3.39	$3.59	$3.81	$4.06	$4.29	$4.53	$4.79	$123.04
PNM Resources, Inc.	PNM	($26.78)	$0.00	$0.53	$0.86	$0.95	$1.04	$1.19	$1.35	$1.52	$1.69	$1.88	$2.07	$2.27	$2.40	$2.53	$2.68	$65.88
Portland General Electric Company	POR	($32.09)	$0.00	$0.97	$1.40	$1.43	$1.47	$1.62	$1.77	$1.94	$2.12	$2.30	$2.50	$2.71	$2.86	$3.02	$3.20	$75.75
Southern Company	SO	($43.39)	$0.00	$1.50	$2.18	$2.24	$2.29	$2.35	$2.42	$2.50	$2.59	$2.69	$2.80	$2.93	$3.10	$3.28	$3.46	$93.89
Westar Energy, Inc.	WR	($34.64)	$0.00	$0.90	$1.41	$1.50	$1.60	$1.70	$1.80	$1.92	$2.05	$2.19	$2.35	$2.52	$2.66	$2.81	$2.97	$79.42
Alliant Energy Corporation	LNT	($55.37)	$0.00	$1.51	$2.19	$2.26	$2.33	$2.51	$2.71	$2.93	$3.16	$3.40	$3.67	$3.96	$4.18	$4.42	$4.67	$127.79
Black H lls Corporation	BKH	($57.15)	$0.00	$0.87	$1.35	$1.45	$1.56	$1.75	$1.94	$2.15	$2.37	$2.60	$2.84	$3.09	$3.26	$3.45	$3.64	$133.78
CMS Energy Corporation	CMS	($28.83)	$0.00	$0.72	$1.10	$1.17	$1.24	$1.34	$1.45	$1.56	$1.68	$1.81	$1.94	$2.08	$2.20	$2.33	$2.46	$66.73
DTE Energy Company	DTE	($72.84)	$0.00	$2.01	$2.91	$3.00	$3.09	$3.30	$3.53	$3.78	$4.05	$4.33	$4.64	$4.97	$5.25	$5.55	$5.87	$165.94
SCANA Corporation	SCG	($50.42)	$0.00	$1.42	$2.02	$2.06	$2.10	$2.28	$2.48	$2.70	$2.93	$3.19	$3.48	$3.79	$4.01	$4.23	$4.48	$117.88
TECO Energy, Inc.	TE	($16.94)	$0.00	$0.82	$1.03	$0.97	$0.91	$0.93	$0.94	$0.97	$1.00	$1.04	$1.08	$1.14	$1.20	$1.27	$1.34	$35.56
Vectren Corporation	VVC	($38.47)	$0.00	$1.30	$1.60	$1.49	$1.37	$1.51	$1.65	$1.81	$1.98	$2.16	$2.36	$2.57	$2.72	$2.87	$3.04	$88.34

Multi-Stage Growth Discounted Cash Flow Model - Combined Proxy Group
30 Day Average Stock Price
Low EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term		Payout Ratio		Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	Low Growth	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
American Electric Power Company, Inc.	AEP	$50.06	4.30%	4.23%	4.50%	4.23%	5.70%	64.00%	63.00%	67.05%	($0.00)	9.91%	16.87	2.96
Cleco Corp.	CNL	$49.74	8.00%	8.00%	4.50%	4.50%	5.70%	54.00%	57.00%	67.05%	($0.00)	9.52%	18.58	3.26
Duke Energy Corporation	DUK	$70.52	3.90%	3.92%	4.00%	3.90%	5.70%	76.00%	63.00%	67.05%	$0.00	9.35%	19.42	3.40
Empire District Electric Company	EDE	$23.98	3.00%	3.00%	4.00%	3.00%	5.70%	68.00%	64.00%	67.05%	$0.00	9.26%	19.93	3.49
Great Plains Energy Inc.	GXP	$26.49	5.20%	5.17%	6.00%	5.17%	5.70%	55.00%	66.00%	67.05%	($0.00)	9.56%	18.40	3.23
Hawaiian Electric Industries, Inc.	HE	$24.77	6.00%	4.20%	3.50%	3.50%	5.70%	78.00%	74.00%	67.05%	($0.00)	10.47%	14.87	2.61
IDACORP, Inc.	IDA	$55.09	4.00%	4.00%	2.00%	2.00%	5.70%	45.00%	61.00%	67.05%	$0.00	9.28%	19.85	3.48
NextEra Energy, Inc.	NEE	$94.11	6.10%	6.48%	4.50%	4.50%	5.70%	54.00%	59.00%	67.05%	$0.00	9.13%	20.70	3.63
Otter Tail Corporation	OTTR	$30.39	NA	6.00%	15.00%	6.00%	5.70%	87.00%	59.00%	67.05%	$0.00	8.49%	25.44	4.46
Pinnacle West Capital Corporation	PNW	$54.61	4.60%	4.13%	4.00%	4.00%	5.70%	62.00%	64.00%	67.05%	($0.00)	10.16%	15.90	2.79
PNM Resources, Inc.	PNM	$26.78	7.60%	8.20%	12.00%	7.60%	5.70%	50.00%	51.00%	67.05%	($0.00)	9.93%	16.76	2.94
Portland General Electric Company	POR	$32.09	6.60%	10.89%	3.50%	3.50%	5.70%	66.00%	56.00%	67.05%	($0.00)	9.53%	18.51	3.24
Southern Company	SO	$43.39	3.70%	3.55%	3.50%	3.50%	5.70%	75.00%	72.00%	67.05%	($0.00)	9.97%	16.63	2.91
Westar Energy, Inc.	WR	$34.64	4.30%	2.80%	6.00%	2.80%	5.70%	55.00%	60.00%	67.05%	($0.00)	9.58%	18.29	3.21
Alliant Energy Corporation	LNT	$55.37	5.50%	5.40%	6.00%	5.40%	5.70%	64.00%	58.00%	67.05%	($0.00)	9.88%	16.96	2.97
Black Hills Corporation	BKH	$57.15	4.00%	7.00%	13.00%	4.00%	5.70%	55.00%	54.00%	67.05%	$0.00	8.03%	30.45	5.34
CMS Energy Corporation	CMS	$28.83	6.00%	6.24%	6.50%	6.00%	5.70%	60.00%	60.00%	67.05%	($0.00)	9.92%	16.82	2.95
DTE Energy Company	DTE	$72.84	6.20%	5.21%	5.00%	5.00%	5.70%	67.00%	61.00%	67.05%	($0.00)	9.67%	17.88	3.13
SCANA Corporation	SCG	$50.42	4.50%	4.60%	5.00%	4.50%	5.70%	59.00%	53.00%	67.05%	($0.00)	10.06%	16.27	2.85
TECO Energy, Inc.	TE	$16.94	5.00%	0.17%	2.00%	0.17%	5.70%	97.00%	71.00%	67.05%	$0.00	9.38%	19.26	3.38
Vectren Corporation	VVC	$38.47	4.70%	4.50%	8.50%	4.50%	5.70%	86.00%	53.00%	67.05%	$0.00	9.30%	19.71	3.45

	DCF Resu	Flotation Cost	DCF Result - w/ Flotation Cost
Mean	9.54%	0.14%	9.68%
Max	10.47%	0.14%	10.61%
Min	8.03%	0.14%	8.17%

Projected Annual
Earnings per Share

Company	Ticker	[14] 2012	[15] 2013	[16] 2014	[17] 2015	[18] 2016	[19] 2017	[20] 2018	[21] **2019**	[22] 2020	[23] 2021	[24] 2022	[25] 2023	[26] **2024**	[27] 2025	[28] 2026	[29] 2027	[30] 2028
American Electric Power Company, Inc.	AEP	$2.98	$3.11	$3.24	$3.37	$3.52	$3.67	$3.82	$3.99	$4.18	$4.39	$4.62	$4.87	$5.15	$5.44	$5.75	$6.08	$6.43
Cleco Corp.	CNL	$2.70	$2.82	$2.95	$3.08	$3.22	$3.36	$3.52	$3.68	$3.86	$4.06	$4.27	$4.51	$4.77	$5.04	$5.33	$5.63	$5.95
Duke Energy Corporation	DUK	$3.71	$3.85	$4.01	$4.16	$4.32	$4.49	$4.67	$4.86	$5.08	$5.33	$5.60	$5.90	$6.24	$6.59	$6.97	$7.37	$7.79
Empire District Electric Company	EDE	$1.32	$1.36	$1.40	$1.44	$1.49	$1.53	$1.58	$1.63	$1.69	$1.77	$1.85	$1.95	$2.06	$2.18	$2.30	$2.43	$2.57
Great Plains Energy Inc.	GXP	$1.35	$1.42	$1.49	$1.57	$1.65	$1.74	$1.83	$1.92	$2.03	$2.14	$2.25	$2.38	$2.52	$2.66	$2.81	$2.97	$3.14
Hawaiian Electric Industries, Inc.	HE	$1.68	$1.74	$1.80	$1.86	$1.93	$2.00	$2.07	$2.15	$2.24	$2.34	$2.45	$2.59	$2.73	$2.89	$3.05	$3.23	$3.41
IDACORP, Inc.	IDA	$3.37	$3.44	$3.51	$3.58	$3.65	$3.72	$3.80	$3.89	$4.02	$4.18	$4.36	$4.58	$4.85	$5.12	$5.41	$5.72	$6.05
NextEra Energy, Inc.	NEE	$4.56	$4.77	$4.98	$5.20	$5.44	$5.68	$5.94	$6.22	$6.52	$6.85	$7.22	$7.62	$8.05	$8.51	$8.99	$9.51	$10.05
Otter Tail Corporation	OTTR	$1.05	$1.11	$1.18	$1.25	$1.33	$1.41	$1.49	$1.58	$1.67	$1.77	$1.87	$1.98	$2.09	$2.21	$2.34	$2.47	$2.61
Pinnacle West Capital Corporation	PNW	$3.50	$3.64	$3.79	$3.94	$4.09	$4.26	$4.43	$4.62	$4.83	$5.06	$5.32	$5.61	$5.93	$6.27	$6.63	$7.01	$7.41
PNM Resources, Inc.	PNM	$1.31	$1.41	$1.52	$1.63	$1.76	$1.89	$2.03	$2.18	$2.33	$2.49	$2.65	$2.81	$2.97	$3.13	$3.31	$3.50	$3.70
Portland General Electric Company	POR	$1.87	$1.94	$2.00	$2.07	$2.15	$2.22	$2.30	$2.39	$2.49	$2.60	$2.73	$2.88	$3.04	$3.22	$3.40	$3.59	$3.80
Southern Company	SO	$2.67	$2.76	$2.86	$2.96	$3.06	$3.17	$3.28	$3.41	$3.55	$3.72	$3.90	$4.11	$4.34	$4.59	$4.85	$5.13	$5.42
Westar Energy, Inc.	WR	$2.15	$2.21	$2.27	$2.34	$2.40	$2.47	$2.54	$2.62	$2.72	$2.84	$2.97	$3.12	$3.30	$3.49	$3.69	$3.90	$4.12
Alliant Energy Corporation	LNT	$3.05	$3.21	$3.39	$3.57	$3.76	$3.97	$4.18	$4.41	$4.65	$4.91	$5.19	$5.48	$5.79	$6.12	$6.47	$6.84	$7.23
Black Hills Corporation	BKH	$1.97	$2.05	$2.13	$2.22	$2.30	$2.40	$2.49	$2.60	$2.72	$2.85	$3.00	$3.16	$3.34	$3.53	$3.73	$3.94	$4.17
CMS Energy Corporation	CMS	$1.53	$1.62	$1.72	$1.82	$1.93	$2.05	$2.17	$2.30	$2.44	$2.58	$2.73	$2.88	$3.05	$3.22	$3.41	$3.60	$3.81
DTE Energy Company	DTE	$3.88	$4.07	$4.28	$4.49	$4.72	$4.95	$5.20	$5.47	$5.75	$6.06	$6.39	$6.75	$7.13	$7.54	$7.97	$8.42	$8.91
SCANA Corporation	SCG	$3.15	$3.29	$3.44	$3.59	$3.76	$3.93	$4.10	$4.29	$4.51	$4.74	$4.99	$5.26	$5.56	$5.88	$6.21	$6.57	$6.94
TECO Energy, Inc.	TE	$1.14	$1.14	$1.14	$1.15	$1.15	$1.15	$1.15	$1.16	$1.19	$1.22	$1.27	$1.33	$1.41	$1.49	$1.57	$1.66	$1.76
Vectren Corporation	VVC	$1.94	$2.03	$2.12	$2.21	$2.31	$2.42	$2.53	$2.65	$2.77	$2.92	$3.07	$3.24	$3.42	$3.62	$3.83	$4.05	$4.28

Projected Annual
Dividend Payout Ratio

Company	Ticker	[31] 2013	[32] 2014	[33] 2015	[34] 2016	[35] 2017	[36] 2018	[37] 2019	[38] 2020	[39] 2021	[40] 2022	[41] 2023	[42] 2024	[43] 2025	[44] 2026	[45] 2027	[46] 2028
American Electric Power Company, Inc.	AEP	64.00%	63.75%	63.50%	63.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Cleco Corp.	CNL	54.00%	54.75%	55.50%	56.25%	57.00%	58.44%	59.87%	61.31%	62.74%	64.18%	65.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Duke Energy Corporation	DUK	76.00%	72.75%	69.50%	66.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Empire District Electric Company	EDE	68.00%	67.00%	66.00%	65.00%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Great Plains Energy Inc.	GXP	55.00%	57.75%	60.50%	63.25%	66.00%	66.15%	66.30%	66.45%	66.60%	66.75%	66.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Hawaiian Electric Industries, Inc.	HE	78.00%	77.00%	76.00%	75.00%	74.00%	73.01%	72.01%	71.02%	70.03%	69.03%	68.04%	67.05%	67.05%	67.05%	67.05%	67.05%
IDACORP, Inc.	IDA	45.00%	49.00%	53.00%	57.00%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
NextEra Energy, Inc.	NEE	54.00%	55.25%	56.50%	57.75%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Otter Tail Corporation	OTTR	87.00%	80.00%	73.00%	66.00%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Pinnacle West Capital Corporation	PNW	62.00%	62.50%	63.00%	63.50%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
PNM Resources, Inc.	PNM	50.00%	50.25%	50.50%	50.75%	51.00%	53.29%	55.58%	57.88%	60.17%	62.46%	64.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Portland General Electric Company	POR	66.00%	63.50%	61.00%	58.50%	56.00%	57.58%	59.16%	60.73%	62.31%	63.89%	65.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Southern Company	SO	75.00%	74.25%	73.50%	72.75%	72.00%	71.29%	70.58%	69.88%	69.17%	68.46%	67.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Westar Energy, Inc.	WR	55.00%	56.25%	57.50%	58.75%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
Alliant Energy Corporation	LNT	64.00%	62.50%	61.00%	59.50%	58.00%	59.29%	60.58%	61.88%	63.17%	64.46%	65.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Black Hills Corporation	BKH	55.00%	54.75%	54.50%	54.25%	54.00%	55.86%	57.73%	59.59%	61.45%	63.32%	65.18%	67.05%	67.05%	67.05%	67.05%	67.05%
CMS Energy Corporation	CMS	60.00%	60.00%	60.00%	60.00%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
DTE Energy Company	DTE	67.00%	65.50%	64.00%	62.50%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
SCANA Corporation	SCG	59.00%	57.50%	56.00%	54.50%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%
TECO Energy, Inc.	TE	97.00%	90.50%	84.00%	77.50%	71.00%	70.44%	69.87%	69.31%	68.74%	68.18%	67.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Vectren Corporation	VVC	86.00%	77.75%	69.50%	61.25%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual
Cash Flows

Company	Ticker	[47] 2013	[48] 2014	[49] 2015	[50] 2016	[51] 2017	[52] 2018	[53] 2019	[54] 2020	[55] 2021	[56] 2022	[57] 2023	[58] 2024	[59] 2025	[60] 2026	[61] 2027	[62] 2028	[63] Terminal Value
American Electric Power Company, Inc.	AEP	$1.99	$2.06	$2.14	$2.22	$2.31	$2.43	$2.56	$2.71	$2.87	$3.04	$3.24	$3.45	$3.65	$3.86	$4.08	$4.31	$108.39
Cleco Corp.	CNL	$1.52	$1.61	$1.71	$1.81	$1.92	$2.05	$2.20	$2.37	$2.55	$2.74	$2.96	$3.20	$3.38	$3.57	$3.77	$3.99	$110.57
Duke Energy Corporation	DUK	$2.93	$2.91	$2.89	$2.86	$2.83	$2.97	$3.12	$3.29	$3.48	$3.69	$3.92	$4.18	$4.42	$4.67	$4.94	$5.22	$151.25
Empire District Electric Company	EDE	$0.92	$0.94	$0.95	$0.97	$0.98	$1.02	$1.06	$1.11	$1.16	$1.23	$1.30	$1.38	$1.46	$1.54	$1.63	$1.73	$51.29
Great Plains Energy Inc.	GXP	$0.78	$0.86	$0.95	$1.04	$1.15	$1.21	$1.27	$1.35	$1.42	$1.50	$1.59	$1.69	$1.78	$1.89	$1.99	$2.11	$57.81
Hawaiian Electric Industries, Inc.	HE	$1.36	$1.39	$1.42	$1.45	$1.48	$1.51	$1.54	$1.59	$1.64	$1.69	$1.76	$1.83	$1.94	$2.05	$2.16	$2.29	$50.75
IDACORP, Inc.	IDA	$1.55	$1.72	$1.90	$2.08	$2.27	$2.35	$2.44	$2.56	$2.69	$2.85	$3.03	$3.25	$3.43	$3.63	$3.84	$4.06	$120.07
NextEra Energy, Inc.	NEE	$2.57	$2.75	$2.94	$3.14	$3.35	$3.57	$3.81	$4.07	$4.36	$4.67	$5.02	$5.40	$5.71	$6.03	$6.37	$6.74	$208.09
Otter Tail Corporation	OTTR	$0.97	$0.94	$0.91	$0.87	$0.83	$0.90	$0.97	$1.04	$1.13	$1.21	$1.30	$1.40	$1.48	$1.57	$1.66	$1.75	$66.46
Pinnacle West Capital Corporation	PNW	$2.26	$2.37	$2.48	$2.60	$2.73	$2.85	$3.00	$3.15	$3.33	$3.52	$3.74	$3.98	$4.20	$4.44	$4.70	$4.97	$117.76
PNM Resources, Inc.	PNM	$0.70	$0.76	$0.82	$0.89	$0.96	$1.08	$1.21	$1.35	$1.50	$1.65	$1.82	$1.99	$2.10	$2.22	$2.35	$2.48	$62.04
Portland General Electric Company	POR	$1.28	$1.27	$1.26	$1.26	$1.24	$1.32	$1.41	$1.51	$1.62	$1.75	$1.88	$2.04	$2.16	$2.28	$2.41	$2.55	$70.32
Southern Company	SO	$2.07	$2.12	$2.18	$2.23	$2.28	$2.34	$2.41	$2.48	$2.57	$2.67	$2.78	$2.91	$3.08	$3.25	$3.44	$3.64	$90.19
Westar Energy, Inc.	WR	$1.22	$1.28	$1.34	$1.41	$1.48	$1.55	$1.63	$1.71	$1.82	$1.93	$2.06	$2.21	$2.34	$2.47	$2.62	$2.76	$75.42
Alliant Energy Corporation	LNT	$2.06	$2.12	$2.18	$2.24	$2.30	$2.48	$2.67	$2.88	$3.10	$3.34	$3.60	$3.88	$4.10	$4.34	$4.59	$4.85	$122.62
Black Hills Corporation	BKH	$1.13	$1.17	$1.21	$1.25	$1.29	$1.39	$1.50	$1.62	$1.75	$1.90	$2.06	$2.24	$2.37	$2.50	$2.64	$2.80	$126.94
CMS Energy Corporation	CMS	$0.97	$1.03	$1.09	$1.16	$1.23	$1.32	$1.43	$1.53	$1.65	$1.77	$1.90	$2.04	$2.16	$2.28	$2.41	$2.55	$64.01
DTE Energy Company	DTE	$2.73	$2.80	$2.87	$2.95	$3.02	$3.22	$3.43	$3.66	$3.91	$4.17	$4.47	$4.78	$5.06	$5.34	$5.65	$5.97	$159.20
SCANA Corporation	SCG	$1.94	$1.98	$2.01	$2.05	$2.08	$2.26	$2.45	$2.66	$2.89	$3.14	$3.42	$3.73	$3.94	$4.17	$4.40	$4.65	$112.95

Multi-Stage Growth Discounted Cash Flow Model - Combined Proxy Group
30 Day Average Stock Price
Low EPS Growth Rate Estimate in First Stage

TECO Energy, Inc.	TE		$1.11	$1.04	$0.96	$0.89	$0.82	$0.81	$0.81	$0.82	$0.84	$0.87	$0.90	$0.94	$1.00	$1.05	$1.11	$1.18	$33.81
Vectren Corporation	VVC		$1.74	$1.65	$1.54	$1.42	$1.28	$1.39	$1.51	$1.64	$1.78	$1.94	$2.11	$2.30	$2.43	$2.57	$2.71	$2.87	$84.27

Projected Annual Data
Investor Cash Flows

		[64]	[65]	[66]	[67]	[68]	[69]	[70]	[71]	[72]	[73]	[74]	[75]	[76]	[77]	[78]	[79]	[80]
Company	Ticker	Initial Outflow	4/15/14	12/31/14	6/30/15	6/30/16	6/30/17	6/30/18	6/30/19	6/30/20	6/30/21	6/30/22	6/30/23	6/30/24	6/30/25	6/30/26	6/30/27	6/30/28
American Electric Power Company, Inc.	AEP	($50.06)	$0.00	$1.45	$2.14	$2.22	$2.31	$2.43	$2.56	$2.71	$2.87	$3.04	$3.24	$3.45	$3.65	$3.86	$4.08	$112.70
Cleco Corp.	CNL	($49.74)	$0.00	$1.11	$1.71	$1.81	$1.92	$2.05	$2.20	$2.37	$2.55	$2.74	$2.96	$3.20	$3.38	$3.57	$3.77	$114.56
Duke Energy Corporation	DUK	($70.52)	$0.00	$2.13	$2.89	$2.86	$2.83	$2.97	$3.12	$3.29	$3.48	$3.69	$3.92	$4.18	$4.42	$4.67	$4.94	$156.47
Empire District Electric Company	EDE	($23.98)	$0.00	$0.67	$0.95	$0.97	$0.98	$1.02	$1.06	$1.11	$1.16	$1.23	$1.30	$1.38	$1.46	$1.54	$1.63	$53.02
Great Plains Energy Inc.	GXP	($26.49)	$0.00	$0.57	$0.95	$1.04	$1.15	$1.21	$1.27	$1.35	$1.42	$1.50	$1.59	$1.69	$1.78	$1.89	$1.99	$59.91
Hawaiian Electric Industries, Inc.	HE	($24.77)	$0.00	$0.98	$1.42	$1.45	$1.48	$1.51	$1.54	$1.59	$1.64	$1.69	$1.76	$1.83	$1.94	$2.05	$2.16	$53.03
IDACORP, Inc.	IDA	($55.09)	$0.00	$1.11	$1.90	$2.08	$2.27	$2.35	$2.44	$2.56	$2.69	$2.85	$3.03	$3.25	$3.43	$3.63	$3.84	$124.13
NextEra Energy, Inc.	NEE	($94.11)	$0.00	$1.87	$2.94	$3.14	$3.35	$3.57	$3.81	$4.07	$4.36	$4.67	$5.02	$5.40	$5.71	$6.03	$6.37	$214.83
Otter Tail Corporation	OTTR	($30.39)	$0.00	$0.71	$0.91	$0.87	$0.83	$0.90	$0.97	$1.04	$1.13	$1.21	$1.30	$1.40	$1.48	$1.57	$1.66	$68.21
Pinnacle West Capital Corporation	PNW	($54.61)	$0.00	$1.64	$2.48	$2.60	$2.73	$2.85	$3.00	$3.15	$3.33	$3.52	$3.74	$3.98	$4.20	$4.44	$4.70	$122.73
PNM Resources, Inc.	PNM	($26.78)	$0.00	$0.52	$0.82	$0.89	$0.96	$1.08	$1.21	$1.35	$1.50	$1.65	$1.82	$1.99	$2.10	$2.22	$2.35	$64.52
Portland General Electric Company	POR	($32.09)	$0.00	$0.93	$1.26	$1.26	$1.24	$1.32	$1.41	$1.51	$1.62	$1.75	$1.88	$2.04	$2.16	$2.28	$2.41	$72.87
Southern Company	SO	($43.39)	$0.00	$1.50	$2.18	$2.23	$2.28	$2.34	$2.41	$2.48	$2.57	$2.67	$2.78	$2.91	$3.08	$3.25	$3.44	$93.83
Westar Energy, Inc.	WR	($34.64)	$0.00	$0.88	$1.34	$1.41	$1.48	$1.55	$1.63	$1.71	$1.82	$1.93	$2.06	$2.21	$2.34	$2.47	$2.62	$78.18
Alliant Energy Corporation	LNT	($55.37)	$0.00	$1.51	$2.18	$2.24	$2.30	$2.48	$2.67	$2.88	$3.10	$3.34	$3.60	$3.88	$4.10	$4.34	$4.59	$127.47
Black Hills Corporation	BKH	($57.15)	$0.00	$0.82	$1.21	$1.25	$1.29	$1.39	$1.50	$1.62	$1.75	$1.90	$2.06	$2.24	$2.37	$2.50	$2.64	$129.73
CMS Energy Corporation	CMS	($28.83)	$0.00	$0.71	$1.09	$1.16	$1.23	$1.32	$1.43	$1.53	$1.65	$1.77	$1.90	$2.04	$2.16	$2.28	$2.41	$66.56
DTE Energy Company	DTE	($72.84)	$0.00	$1.99	$2.87	$2.95	$3.02	$3.22	$3.43	$3.66	$3.91	$4.17	$4.47	$4.78	$5.06	$5.34	$5.65	$165.18
SCANA Corporation	SCG	($50.42)	$0.00	$1.41	$2.01	$2.05	$2.08	$2.26	$2.45	$2.66	$2.89	$3.14	$3.42	$3.73	$3.94	$4.17	$4.40	$117.61
TECO Energy, Inc.	TE	($16.94)	$0.00	$0.79	$0.96	$0.89	$0.82	$0.81	$0.81	$0.82	$0.84	$0.87	$0.90	$0.94	$1.00	$1.05	$1.11	$34.99
Vectren Corporation	VVC	($38.47)	$0.00	$1.27	$1.54	$1.42	$1.28	$1.39	$1.51	$1.64	$1.78	$1.94	$2.11	$2.30	$2.43	$2.57	$2.71	$87.13

Multi-Stage Growth Discounted Cash Flow Model - Combined Proxy Group
30 Day Average Stock Price
High EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term	Payout Ratio			Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	High Growth	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
American Electric Power Company, Inc.	AEP	$50.06	4.30%	4.23%	4.50%	4.50%	5.70%	64.00%	63.00%	67.05%	($0.00)	9.99%	16.53	2.90
Cleco Corp.	CNL	$49.74	8.00%	8.00%	4.50%	8.00%	5.70%	54.00%	57.00%	67.05%	($0.00)	10.61%	14.46	2.54
Duke Energy Corporation	DUK	$70.52	3.90%	3.92%	4.00%	4.00%	5.70%	76.00%	63.00%	67.05%	$0.00	9.38%	19.28	3.38
Empire District Electric Company	EDE	$23.98	3.00%	3.00%	4.00%	4.00%	5.70%	68.00%	64.00%	67.05%	($0.00)	9.54%	18.47	3.24
Great Plains Energy Inc.	GXP	$26.49	5.20%	5.17%	6.00%	6.00%	5.70%	55.00%	66.00%	67.05%	($0.00)	9.80%	17.31	3.03
Hawaiian Electric Industries, Inc.	HE	$24.77	6.00%	4.20%	3.50%	6.00%	5.70%	78.00%	74.00%	67.05%	($0.00)	11.44%	12.35	2.17
IDACORP, Inc.	IDA	$55.09	4.00%	4.00%	2.00%	4.00%	5.70%	45.00%	61.00%	67.05%	($0.00)	9.86%	17.07	2.99
NextEra Energy, Inc.	NEE	$94.11	6.10%	6.48%	4.50%	6.48%	5.70%	54.00%	59.00%	67.05%	($0.00)	9.66%	17.90	3.14
Otter Tail Corporation	OTTR	$30.39	NA	6.00%	15.00%	15.00%	5.70%	87.00%	59.00%	67.05%	($0.00)	10.92%	13.59	2.38
Pinnacle West Capital Corporation	PNW	$54.61	4.60%	4.13%	4.00%	4.60%	5.70%	62.00%	64.00%	67.05%	$0.00	10.36%	15.21	2.67
PNM Resources, Inc.	PNM	$26.78	7.60%	8.20%	12.00%	12.00%	5.70%	50.00%	51.00%	67.05%	($0.00)	11.39%	12.47	2.19
Portland General Electric Company	POR	$32.09	6.60%	10.89%	3.50%	10.89%	5.70%	66.00%	56.00%	67.05%	($0.00)	12.12%	11.05	1.94
Southern Company	SO	$43.39	3.70%	3.55%	3.50%	3.70%	5.70%	75.00%	72.00%	67.05%	$0.00	10.03%	16.38	2.87
Westar Energy, Inc.	WR	$34.64	4.30%	2.80%	6.00%	6.00%	5.70%	55.00%	60.00%	67.05%	$0.00	10.61%	14.46	2.53
Alliant Energy Corporation	LNT	$55.37	5.50%	5.40%	6.00%	6.00%	5.70%	64.00%	58.00%	67.05%	$0.00	10.07%	16.24	2.85
Black Hills Corporation	BKH	$57.15	4.00%	7.00%	13.00%	13.00%	5.70%	55.00%	54.00%	67.05%	$0.00	10.13%	16.01	2.81
CMS Energy Corporation	CMS	$28.83	6.00%	6.24%	6.50%	6.50%	5.70%	60.00%	60.00%	67.05%	$0.00	10.07%	16.22	2.84
DTE Energy Company	DTE	$72.84	6.20%	5.21%	5.00%	6.20%	5.70%	67.00%	61.00%	67.05%	($0.00)	10.03%	16.38	2.87
SCANA Corporation	SCG	$50.42	4.50%	4.60%	5.00%	5.00%	5.70%	59.00%	53.00%	67.05%	$0.00	10.22%	15.69	2.75
TECO Energy, Inc.	TE	$16.94	5.00%	0.17%	2.00%	5.00%	5.70%	97.00%	71.00%	67.05%	($0.00)	11.05%	13.26	2.32
Vectren Corporation	VVC	$38.47	4.70%	4.50%	8.50%	8.50%	5.70%	86.00%	53.00%	67.05%	($0.00)	10.50%	14.79	2.59

	DCF Resu	Flotation Cost	DCF Result - w/ Flotation Cost
Mean	10.37%	0.14%	10.51%
Max	12.12%	0.14%	12.26%
Min	9.38%	0.14%	9.52%

Projected Annual
Earnings per Share

Company	Ticker	[14] 2012	[15] 2013	[16] 2014	[17] 2015	[18] 2016	[19] 2017	[20] 2018	[21] **2019**	[22] 2020	[23] 2021	[24] 2022	[25] 2023	[26] **2024**	[27] 2025	[28] 2026	[29] 2027	[30] 2028
American Electric Power Company, Inc.	AEP	$2.98	$3.11	$3.25	$3.40	$3.55	$3.71	$3.88	$4.06	$4.26	$4.48	$4.72	$4.98	$5.26	$5.56	$5.88	$6.21	$6.57
Cleco Corp.	CNL	$2.70	$2.92	$3.15	$3.40	$3.67	$3.97	$4.28	$4.61	$4.94	$5.28	$5.63	$5.97	$6.31	$6.67	$7.05	$7.45	$7.88
Duke Energy Corporation	DUK	$3.71	$3.86	$4.01	$4.17	$4.34	$4.51	$4.69	$4.90	$5.12	$5.37	$5.64	$5.95	$6.29	$6.65	$7.03	$7.43	$7.85
Empire District Electric Company	EDE	$1.32	$1.37	$1.43	$1.48	$1.54	$1.61	$1.67	$1.74	$1.82	$1.91	$2.01	$2.12	$2.24	$2.37	$2.50	$2.64	$2.79
Great Plains Energy Inc.	GXP	$1.35	$1.43	$1.52	$1.61	$1.70	$1.81	$1.92	$2.03	$2.15	$2.27	$2.41	$2.54	$2.69	$2.84	$3.01	$3.18	$3.36
Hawaiian Electric Industries, Inc.	HE	$1.68	$1.78	$1.89	$2.00	$2.12	$2.25	$2.38	$2.52	$2.67	$2.83	$2.99	$3.17	$3.35	$3.54	$3.74	$3.95	$4.18
IDACORP, Inc.	IDA	$3.37	$3.50	$3.64	$3.79	$3.94	$4.10	$4.26	$4.45	$4.65	$4.88	$5.13	$5.40	$5.71	$6.04	$6.38	$6.75	$7.13
NextEra Energy, Inc.	NEE	$4.56	$4.86	$5.17	$5.51	$5.86	$6.24	$6.65	$7.07	$7.51	$7.97	$8.44	$8.93	$9.44	$9.98	$10.55	$11.15	$11.79
Otter Tail Corporation	OTTR	$1.05	$1.21	$1.39	$1.60	$1.84	$2.11	$2.43	$2.76	$3.08	$3.40	$3.70	$3.97	$4.20	$4.44	$4.69	$4.96	$5.24
Pinnacle West Capital Corporation	PNW	$3.50	$3.66	$3.83	$4.01	$4.19	$4.38	$4.58	$4.80	$5.04	$5.30	$5.58	$5.89	$6.23	$6.58	$6.96	$7.36	$7.78
PNM Resources, Inc.	PNM	$1.31	$1.47	$1.64	$1.84	$2.06	$2.31	$2.59	$2.87	$3.15	$3.43	$3.70	$3.95	$4.18	$4.41	$4.66	$4.93	$5.21
Portland General Electric Company	POR	$1.87	$2.07	$2.30	$2.55	$2.83	$3.14	$3.48	$3.83	$4.18	$4.52	$4.86	$5.18	$5.47	$5.79	$6.12	$6.46	$6.83
Southern Company	SO	$2.67	$2.77	$2.87	$2.98	$3.09	$3.20	$3.32	$3.45	$3.61	$3.77	$3.96	$4.18	$4.42	$4.67	$4.93	$5.22	$5.51
Westar Energy, Inc.	WR	$2.15	$2.28	$2.42	$2.56	$2.71	$2.88	$3.05	$3.23	$3.42	$3.62	$3.83	$4.05	$4.28	$4.53	$4.79	$5.06	$5.35
Alliant Energy Corporation	LNT	$3.05	$3.23	$3.43	$3.63	$3.85	$4.08	$4.33	$4.58	$4.85	$5.14	$5.44	$5.75	$6.08	$6.42	$6.79	$7.18	$7.59
Black Hills Corporation	BKH	$1.97	$2.23	$2.52	$2.84	$3.21	$3.63	$4.10	$4.58	$5.07	$5.54	$5.99	$6.41	$6.77	$7.16	$7.57	$8.00	$8.46
CMS Energy Corporation	CMS	$1.53	$1.63	$1.74	$1.85	$1.97	$2.10	$2.23	$2.37	$2.52	$2.68	$2.84	$3.00	$3.17	$3.35	$3.55	$3.75	$3.96
DTE Energy Company	DTE	$3.88	$4.12	$4.38	$4.65	$4.94	$5.24	$5.57	$5.91	$6.26	$6.64	$7.03	$7.43	$7.86	$8.30	$8.78	$9.28	$9.81
SCANA Corporation	SCG	$3.15	$3.31	$3.47	$3.65	$3.83	$4.02	$4.22	$4.44	$4.67	$4.92	$5.19	$5.48	$5.79	$6.12	$6.47	$6.84	$7.23
TECO Energy, Inc.	TE	$1.14	$1.20	$1.26	$1.32	$1.39	$1.45	$1.53	$1.61	$1.69	$1.78	$1.88	$1.98	$2.10	$2.22	$2.34	$2.48	$2.62
Vectren Corporation	VVC	$1.94	$2.10	$2.28	$2.48	$2.69	$2.92	$3.17	$3.42	$3.68	$3.94	$4.20	$4.46	$4.71	$4.98	$5.27	$5.57	$5.89

Projected Annual
Dividend Payout Ratio

Company	Ticker	[31] 2013	[32] 2014	[33] 2015	[34] 2016	[35] 2017	[36] 2018	[37] 2019	[38] 2020	[39] 2021	[40] 2022	[41] 2023	[42] 2024	[43] 2025	[44] 2026	[45] 2027	[46] 2028
American Electric Power Company, Inc.	AEP	64.00%	63.75%	63.50%	63.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Cleco Corp.	CNL	54.00%	54.75%	55.50%	56.25%	57.00%	58.44%	59.87%	61.31%	62.74%	64.18%	65.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Duke Energy Corporation	DUK	76.00%	72.75%	69.50%	66.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Empire District Electric Company	EDE	68.00%	67.00%	66.00%	65.00%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Great Plains Energy Inc.	GXP	55.00%	57.75%	60.50%	63.25%	66.00%	66.15%	66.30%	66.45%	66.60%	66.75%	66.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Hawaiian Electric Industries, Inc.	HE	78.00%	77.00%	76.00%	75.00%	74.00%	73.01%	72.01%	71.02%	70.03%	69.03%	68.04%	67.05%	67.05%	67.05%	67.05%	67.05%
IDACORP, Inc.	IDA	45.00%	49.00%	53.00%	57.00%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
NextEra Energy, Inc.	NEE	54.00%	55.25%	56.50%	57.75%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Otter Tail Corporation	OTTR	87.00%	80.00%	73.00%	66.00%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Pinnacle West Capital Corporation	PNW	62.00%	62.50%	63.00%	63.50%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
PNM Resources, Inc.	PNM	50.00%	50.25%	50.50%	50.75%	51.00%	53.29%	55.58%	57.88%	60.17%	62.46%	64.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Portland General Electric Company	POR	66.00%	63.50%	61.00%	58.50%	56.00%	57.58%	59.16%	60.73%	62.31%	63.89%	65.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Southern Company	SO	75.00%	74.25%	73.50%	72.75%	72.00%	71.29%	70.58%	69.88%	69.17%	68.46%	67.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Westar Energy, Inc.	WR	55.00%	56.25%	57.50%	58.75%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
Alliant Energy Corporation	LNT	64.00%	62.50%	61.00%	59.50%	58.00%	59.29%	60.58%	61.88%	63.17%	64.46%	65.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Black Hills Corporation	BKH	55.00%	54.75%	54.50%	54.25%	54.00%	55.86%	57.73%	59.59%	61.45%	63.32%	65.18%	67.05%	67.05%	67.05%	67.05%	67.05%
CMS Energy Corporation	CMS	60.00%	60.00%	60.00%	60.00%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
DTE Energy Company	DTE	67.00%	65.50%	64.00%	62.50%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
SCANA Corporation	SCG	59.00%	57.50%	56.00%	54.50%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%
TECO Energy, Inc.	TE	97.00%	90.50%	84.00%	77.50%	71.00%	70.44%	69.87%	69.31%	68.74%	68.18%	67.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Vectren Corporation	VVC	86.00%	77.75%	69.50%	61.25%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual
Cash Flows

Company	Ticker	[47] 2013	[48] 2014	[49] 2015	[50] 2016	[51] 2017	[52] 2018	[53] 2019	[54] 2020	[55] 2021	[56] 2022	[57] 2023	[58] 2024	[59] 2025	[60] 2026	[61] 2027	[62] 2028	[63] Terminal Value
American Electric Power Company, Inc.	AEP	$1.99	$2.07	$2.16	$2.25	$2.34	$2.47	$2.61	$2.76	$2.93	$3.11	$3.31	$3.53	$3.73	$3.94	$4.17	$4.40	$108.59
Cleco Corp.	CNL	$1.57	$1.72	$1.89	$2.07	$2.26	$2.50	$2.76	$3.03	$3.31	$3.61	$3.92	$4.23	$4.47	$4.73	$5.00	$5.28	$113.89
Duke Energy Corporation	DUK	$2.93	$2.92	$2.90	$2.88	$2.84	$2.98	$3.14	$3.31	$3.51	$3.72	$3.95	$4.22	$4.46	$4.71	$4.98	$5.26	$151.34
Empire District Electric Company	EDE	$0.93	$0.96	$0.98	$1.00	$1.03	$1.08	$1.13	$1.19	$1.26	$1.33	$1.41	$1.50	$1.59	$1.68	$1.77	$1.87	$51.60
Great Plains Energy Inc.	GXP	$0.79	$0.88	$0.97	$1.08	$1.19	$1.27	$1.35	$1.43	$1.51	$1.61	$1.70	$1.80	$1.91	$2.02	$2.13	$2.25	$58.13
Hawaiian Electric Industries, Inc.	HE	$1.39	$1.45	$1.52	$1.59	$1.66	$1.74	$1.82	$1.90	$1.98	$2.07	$2.15	$2.24	$2.37	$2.51	$2.65	$2.80	$51.63
IDACORP, Inc.	IDA	$1.58	$1.79	$2.01	$2.25	$2.50	$2.64	$2.79	$2.96	$3.14	$3.35	$3.58	$3.83	$4.05	$4.28	$4.52	$4.78	$121.72
NextEra Energy, Inc.	NEE	$2.62	$2.86	$3.11	$3.39	$3.68	$4.00	$4.33	$4.69	$5.07	$5.46	$5.89	$6.33	$6.69	$7.07	$7.48	$7.90	$211.01
Otter Tail Corporation	OTTR	$1.05	$1.11	$1.17	$1.21	$1.25	$1.46	$1.69	$1.93	$2.16	$2.40	$2.62	$2.81	$2.97	$3.14	$3.32	$3.51	$71.21
Pinnacle West Capital Corporation	PNW	$2.27	$2.39	$2.52	$2.66	$2.80	$2.95	$3.12	$3.29	$3.49	$3.70	$3.93	$4.18	$4.41	$4.67	$4.93	$5.21	$118.29
PNM Resources, Inc.	PNM	$0.73	$0.83	$0.93	$1.05	$1.18	$1.38	$1.59	$1.82	$2.07	$2.31	$2.56	$2.80	$2.96	$3.13	$3.31	$3.49	$65.01
Portland General Electric Company	POR	$1.37	$1.46	$1.56	$1.65	$1.76	$2.00	$2.26	$2.54	$2.82	$3.10	$3.39	$3.67	$3.88	$4.10	$4.33	$4.58	$75.50
Southern Company	SO	$2.08	$2.13	$2.19	$2.25	$2.31	$2.37	$2.44	$2.52	$2.61	$2.71	$2.83	$2.96	$3.13	$3.31	$3.50	$3.70	$90.29
Westar Energy, Inc.	WR	$1.25	$1.36	$1.47	$1.59	$1.73	$1.86	$2.00	$2.16	$2.32	$2.49	$2.68	$2.87	$3.04	$3.21	$3.39	$3.59	$77.33
Alliant Energy Corporation	LNT	$2.07	$2.14	$2.22	$2.29	$2.37	$2.57	$2.78	$3.00	$3.25	$3.50	$3.78	$4.07	$4.31	$4.55	$4.81	$5.09	$123.21
Black Hills Corporation	BKH	$1.22	$1.38	$1.55	$1.74	$1.96	$2.29	$2.65	$3.02	$3.41	$3.80	$4.18	$4.54	$4.80	$5.08	$5.36	$5.67	$135.39
CMS Energy Corporation	CMS	$0.98	$1.04	$1.11	$1.18	$1.26	$1.36	$1.47	$1.59	$1.71	$1.84	$1.98	$2.13	$2.25	$2.38	$2.51	$2.66	$64.26
DTE Energy Company	DTE	$2.76	$2.87	$2.97	$3.08	$3.20	$3.44	$3.71	$3.98	$4.28	$4.59	$4.92	$5.27	$5.57	$5.89	$6.22	$6.58	$160.62
SCANA Corporation	SCG	$1.95	$2.00	$2.04	$2.09	$2.13	$2.32	$2.53	$2.76	$3.00	$3.27	$3.56	$3.88	$4.10	$4.34	$4.59	$4.85	$113.45

Multi-Stage Growth Discounted Cash Flow Model - Combined Proxy Group
30 Day Average Stock Price
High EPS Growth Rate Estimate in First Stage

TECO Energy, Inc.	TE		$1.16	$1.14	$1.11	$1.07	$1.03	$1.08	$1.12	$1.17	$1.22	$1.28	$1.34	$1.41	$1.49	$1.57	$1.66	$1.75	$34.70
Vectren Corporation	VVC		$1.81	$1.78	$1.72	$1.65	$1.55	$1.74	$1.95	$2.17	$2.40	$2.65	$2.90	$3.16	$3.34	$3.53	$3.73	$3.95	$87.06

Projected Annual Data
Investor Cash Flows

		[64]	[65]	[66]	[67]	[68]	[69]	[70]	[71]	[72]	[73]	[74]	[75]	[76]	[77]	[78]	[79]	[80]
Company	Ticker	Initial Outflow	4/15/14	12/31/14	6/30/15	6/30/16	6/30/17	6/30/18	6/30/19	6/30/20	6/30/21	6/30/22	6/30/23	6/30/24	6/30/25	6/30/26	6/30/27	6/30/28
American Electric Power Company, Inc.	AEP	($50.06)	$0.00	$1.45	$2.16	$2.25	$2.34	$2.47	$2.61	$2.76	$2.93	$3.11	$3.31	$3.53	$3.73	$3.94	$4.17	$113.00
Cleco Corp.	CNL	($49.74)	$0.00	$1.17	$1.89	$2.07	$2.26	$2.50	$2.76	$3.03	$3.31	$3.61	$3.92	$4.23	$4.47	$4.73	$5.00	$119.17
Duke Energy Corporation	DUK	($70.52)	$0.00	$2.13	$2.90	$2.88	$2.84	$2.98	$3.14	$3.31	$3.51	$3.72	$3.95	$4.22	$4.46	$4.71	$4.98	$156.60
Empire District Electric Company	EDE	($23.98)	$0.00	$0.68	$0.98	$1.00	$1.03	$1.08	$1.13	$1.19	$1.26	$1.33	$1.41	$1.50	$1.59	$1.68	$1.77	$53.47
Great Plains Energy Inc.	GXP	($26.49)	$0.00	$0.58	$0.97	$1.08	$1.19	$1.27	$1.35	$1.43	$1.51	$1.61	$1.70	$1.80	$1.91	$2.02	$2.13	$60.38
Hawaiian Electric Industries, Inc.	HE	($24.77)	$0.00	$1.02	$1.52	$1.59	$1.66	$1.74	$1.82	$1.90	$1.98	$2.07	$2.15	$2.24	$2.37	$2.51	$2.65	$54.44
IDACORP, Inc.	IDA	($55.09)	$0.00	$1.15	$2.01	$2.25	$2.50	$2.64	$2.79	$2.96	$3.14	$3.35	$3.58	$3.83	$4.05	$4.28	$4.52	$126.50
NextEra Energy, Inc.	NEE	($94.11)	$0.00	$1.93	$3.11	$3.39	$3.68	$4.00	$4.33	$4.69	$5.07	$5.46	$5.89	$6.33	$6.69	$7.07	$7.48	$218.91
Otter Tail Corporation	OTTR	($30.39)	$0.00	$0.80	$1.17	$1.21	$1.25	$1.46	$1.69	$1.93	$2.16	$2.40	$2.62	$2.81	$2.97	$3.14	$3.32	$74.73
Pinnacle West Capital Corporation	PNW	($54.61)	$0.00	$1.65	$2.52	$2.66	$2.80	$2.95	$3.12	$3.29	$3.49	$3.70	$3.93	$4.18	$4.41	$4.67	$4.93	$123.51
PNM Resources, Inc.	PNM	($26.78)	$0.00	$0.55	$0.93	$1.05	$1.18	$1.38	$1.59	$1.82	$2.07	$2.31	$2.56	$2.80	$2.96	$3.13	$3.31	$68.51
Portland General Electric Company	POR	($32.09)	$0.00	$1.03	$1.56	$1.65	$1.76	$2.00	$2.26	$2.54	$2.82	$3.10	$3.39	$3.67	$3.88	$4.10	$4.33	$80.08
Southern Company	SO	($43.39)	$0.00	$1.51	$2.19	$2.25	$2.31	$2.37	$2.44	$2.52	$2.61	$2.71	$2.83	$2.96	$3.13	$3.31	$3.50	$93.99
Westar Energy, Inc.	WR	($34.64)	$0.00	$0.92	$1.47	$1.59	$1.73	$1.86	$2.00	$2.16	$2.32	$2.49	$2.68	$2.87	$3.04	$3.21	$3.39	$80.92
Alliant Energy Corporation	LNT	($55.37)	$0.00	$1.52	$2.22	$2.29	$2.37	$2.57	$2.78	$3.00	$3.25	$3.50	$3.78	$4.07	$4.31	$4.55	$4.81	$128.30
Black Hills Corporation	BKH	($57.15)	$0.00	$0.93	$1.55	$1.74	$1.96	$2.29	$2.65	$3.02	$3.41	$3.80	$4.18	$4.54	$4.80	$5.08	$5.36	$141.06
CMS Energy Corporation	CMS	($28.83)	$0.00	$0.72	$1.11	$1.18	$1.26	$1.36	$1.47	$1.59	$1.71	$1.84	$1.98	$2.13	$2.25	$2.38	$2.51	$66.92
DTE Energy Company	DTE	($72.84)	$0.00	$2.03	$2.97	$3.08	$3.20	$3.44	$3.71	$3.98	$4.28	$4.59	$4.92	$5.27	$5.57	$5.89	$6.22	$167.19
SCANA Corporation	SCG	($50.42)	$0.00	$1.42	$2.04	$2.09	$2.13	$2.32	$2.53	$2.76	$3.00	$3.27	$3.56	$3.88	$4.10	$4.34	$4.59	$118.29
TECO Energy, Inc.	TE	($16.94)	$0.00	$0.85	$1.11	$1.07	$1.03	$1.08	$1.12	$1.17	$1.22	$1.28	$1.34	$1.41	$1.49	$1.57	$1.66	$36.45
Vectren Corporation	VVC	($38.47)	$0.00	$1.34	$1.72	$1.65	$1.55	$1.74	$1.95	$2.17	$2.40	$2.65	$2.90	$3.16	$3.34	$3.53	$3.73	$91.01

Multi-Stage Growth Discounted Cash Flow Model - Combined Proxy Group
90 Day Average Stock Price
Average EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term	Payout Ratio			Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	Average	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
American Electric Power Company, Inc.	AEP	$48.45	4.30%	4.23%	4.50%	4.34%	5.70%	64.00%	63.00%	67.05%	($0.00)	10.09%	16.18	2.84
Cleco Corp.	CNL	$48.20	8.00%	8.00%	4.50%	6.83%	5.70%	54.00%	57.00%	67.05%	($0.00)	10.36%	15.22	2.67
Duke Energy Corporation	DUK	$69.79	3.90%	3.92%	4.00%	3.94%	5.70%	76.00%	63.00%	67.05%	($0.00)	9.40%	19.16	3.36
Empire District Electric Company	EDE	$23.23	3.00%	3.00%	4.00%	3.33%	5.70%	68.00%	64.00%	67.05%	($0.00)	9.47%	18.81	3.30
Great Plains Energy Inc.	GXP	$25.25	5.20%	5.17%	6.00%	5.46%	5.70%	55.00%	66.00%	67.05%	$0.00	9.83%	17.16	3.01
Hawaiian Electric Industries, Inc.	HE	$25.45	6.00%	4.20%	3.50%	4.57%	5.70%	78.00%	74.00%	67.05%	($0.00)	10.72%	14.12	2.48
IDACORP, Inc.	IDA	$53.48	4.00%	4.00%	2.00%	3.33%	5.70%	45.00%	61.00%	67.05%	($0.00)	9.77%	17.41	3.05
NextEra Energy, Inc.	NEE	$89.87	6.10%	6.48%	4.50%	5.69%	5.70%	54.00%	59.00%	67.05%	($0.00)	9.62%	18.11	3.17
Otter Tail Corporation	OTTR	$29.45	NA	6.00%	15.00%	10.50%	5.70%	87.00%	59.00%	67.05%	($0.00)	9.68%	17.82	3.12
Pinnacle West Capital Corporation	PNW	$53.65	4.60%	4.13%	4.00%	4.24%	5.70%	62.00%	64.00%	67.05%	$0.00	10.33%	15.34	2.69
PNM Resources, Inc.	PNM	$25.19	7.60%	8.20%	12.00%	9.27%	5.70%	50.00%	51.00%	67.05%	($0.00)	10.73%	14.10	2.47
Portland General Electric Company	POR	$30.80	6.60%	10.89%	3.50%	7.00%	5.70%	66.00%	56.00%	67.05%	($0.00)	10.84%	13.80	2.42
Southern Company	SO	$41.96	3.70%	3.55%	3.50%	3.58%	5.70%	75.00%	72.00%	67.05%	$0.00	10.15%	15.95	2.80
Westar Energy, Inc.	WR	$33.44	4.30%	2.80%	6.00%	4.37%	5.70%	55.00%	60.00%	67.05%	$0.00	10.22%	15.71	2.75
Alliant Energy Corporation	LNT	$53.06	5.50%	5.40%	6.00%	5.63%	5.70%	64.00%	58.00%	67.05%	$0.00	10.14%	15.98	2.80
Black Hills Corporation	BKH	$54.72	4.00%	7.00%	13.00%	8.00%	5.70%	55.00%	54.00%	67.05%	($0.00)	8.97%	21.68	3.80
CMS Energy Corporation	CMS	$27.68	6.00%	6.24%	6.50%	6.25%	5.70%	60.00%	60.00%	67.05%	$0.00	10.17%	15.86	2.78
DTE Energy Company	DTE	$69.33	6.20%	5.21%	5.00%	5.47%	5.70%	67.00%	61.00%	67.05%	$0.00	10.02%	16.43	2.88
SCANA Corporation	SCG	$48.30	4.50%	4.60%	5.00%	4.70%	5.70%	59.00%	53.00%	67.05%	$0.00	10.32%	15.37	2.69
TECO Energy, Inc.	TE	$16.85	5.00%	0.17%	2.00%	2.39%	5.70%	97.00%	71.00%	67.05%	$0.00	10.12%	16.07	2.82
Vectren Corporation	VVC	$36.84	4.70%	4.50%	8.50%	5.90%	5.70%	86.00%	53.00%	67.05%	$0.00	9.87%	17.03	2.98

	DCF Result	Flotation Cost	DCF Result - w/ Flotation Cost
Mean	10.04%	0.14%	10.18%
Max	10.84%	0.14%	10.98%
Min	8.97%	0.14%	9.11%

Projected Annual Earnings per Share

Company	Ticker	[14] 2012	[15] 2013	[16] 2014	[17] 2015	[18] 2016	[19] 2017	[20] 2018	[21] **2019**	[22] 2020	[23] 2021	[24] 2022	[25] 2023	[26] **2024**	[27] 2025	[28] 2026	[29] 2027	[30] 2028
American Electric Power Company, Inc.	AEP	$2.98	$3.11	$3.24	$3.39	$3.53	$3.69	$3.85	$4.02	$4.21	$4.43	$4.66	$4.91	$5.19	$5.49	$5.80	$6.14	$6.49
Cleco Corp.	CNL	$2.70	$2.88	$3.08	$3.29	$3.52	$3.76	$4.01	$4.28	$4.56	$4.84	$5.14	$5.44	$5.75	$6.08	$6.43	$6.79	$7.18
Duke Energy Corporation	DUK	$3.71	$3.86	$4.01	$4.17	$4.33	$4.50	$4.68	$4.88	$5.10	$5.34	$5.62	$5.92	$6.26	$6.61	$6.99	$7.39	$7.81
Empire District Electric Company	EDE	$1.32	$1.36	$1.41	$1.46	$1.50	$1.56	$1.61	$1.67	$1.74	$1.81	$1.90	$2.00	$2.12	$2.24	$2.37	$2.50	$2.65
Great Plains Energy Inc.	GXP	$1.35	$1.42	$1.50	$1.58	$1.67	$1.76	$1.86	$1.96	$2.07	$2.18	$2.31	$2.44	$2.58	$2.72	$2.88	$3.04	$3.21
Hawaiian Electric Industries, Inc.	HE	$1.68	$1.76	$1.84	$1.92	$2.01	$2.10	$2.20	$2.30	$2.41	$2.54	$2.67	$2.82	$2.98	$3.15	$3.33	$3.52	$3.72
IDACORP, Inc.	IDA	$3.37	$3.48	$3.60	$3.72	$3.84	$3.97	$4.10	$4.26	$4.43	$4.63	$4.86	$5.12	$5.41	$5.72	$6.04	$6.39	$6.75
NextEra Energy, Inc.	NEE	$4.56	$4.82	$5.09	$5.38	$5.69	$6.01	$6.36	$6.72	$7.10	$7.51	$7.93	$8.39	$8.87	$9.37	$9.91	$10.47	$11.07
Otter Tail Corporation	OTTR	$1.05	$1.16	$1.28	$1.42	$1.57	$1.73	$1.91	$2.10	$2.28	$2.47	$2.65	$2.82	$2.98	$3.15	$3.33	$3.52	$3.72
Pinnacle West Capital Corporation	PNW	$3.50	$3.65	$3.80	$3.96	$4.13	$4.31	$4.49	$4.69	$4.91	$5.16	$5.43	$5.72	$6.05	$6.40	$6.76	$7.15	$7.55
PNM Resources, Inc.	PNM	$1.31	$1.43	$1.56	$1.71	$1.87	$2.04	$2.23	$2.42	$2.62	$2.81	$3.01	$3.20	$3.38	$3.57	$3.78	$3.99	$4.22
Portland General Electric Company	POR	$1.87	$2.00	$2.14	$2.29	$2.45	$2.62	$2.81	$3.00	$3.19	$3.40	$3.60	$3.82	$4.04	$4.27	$4.51	$4.77	$5.04
Southern Company	SO	$2.67	$2.77	$2.86	$2.97	$3.07	$3.18	$3.30	$3.43	$3.57	$3.74	$3.93	$4.14	$4.37	$4.62	$4.89	$5.17	$5.46
Westar Energy, Inc.	WR	$2.15	$2.24	$2.34	$2.44	$2.55	$2.66	$2.78	$2.91	$3.05	$3.20	$3.37	$3.55	$3.75	$3.97	$4.20	$4.43	$4.69
Alliant Energy Corporation	LNT	$3.05	$3.22	$3.40	$3.60	$3.80	$4.01	$4.24	$4.48	$4.73	$5.00	$5.28	$5.58	$5.90	$6.24	$6.59	$6.97	$7.37
Black Hills Corporation	BKH	$1.97	$2.13	$2.30	$2.48	$2.68	$2.89	$3.13	$3.36	$3.61	$3.85	$4.10	$4.35	$4.60	$4.87	$5.14	$5.44	$5.75
CMS Energy Corporation	CMS	$1.53	$1.63	$1.73	$1.84	$1.95	$2.07	$2.20	$2.34	$2.48	$2.63	$2.78	$2.94	$3.11	$3.29	$3.47	$3.67	$3.88
DTE Energy Company	DTE	$3.88	$4.09	$4.32	$4.55	$4.80	$5.06	$5.34	$5.64	$5.95	$6.28	$6.63	$7.01	$7.41	$7.83	$8.28	$8.75	$9.25
SCANA Corporation	SCG	$3.15	$3.30	$3.45	$3.62	$3.79	$3.96	$4.15	$4.35	$4.57	$4.81	$5.07	$5.35	$5.65	$5.97	$6.32	$6.68	$7.06
TECO Energy, Inc.	TE	$1.14	$1.17	$1.20	$1.22	$1.25	$1.28	$1.31	$1.35	$1.40	$1.46	$1.52	$1.60	$1.69	$1.79	$1.89	$2.00	$2.11
Vectren Corporation	VVC	$1.94	$2.05	$2.18	$2.30	$2.44	$2.58	$2.74	$2.90	$3.07	$3.24	$3.43	$3.63	$3.83	$4.05	$4.28	$4.53	$4.79

Projected Annual Dividend Payout Ratio

Company	Ticker	[31] 2013	[32] 2014	[33] 2015	[34] 2016	[35] 2017	[36] 2018	[37] 2019	[38] 2020	[39] 2021	[40] 2022	[41] 2023	[42] 2024	[43] 2025	[44] 2026	[45] 2027	[46] 2028
American Electric Power Company, Inc.	AEP	64.00%	63.75%	63.50%	63.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Cleco Corp.	CNL	54.00%	54.75%	55.50%	56.25%	57.00%	58.44%	59.87%	61.31%	62.74%	64.18%	65.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Duke Energy Corporation	DUK	76.00%	72.75%	69.50%	66.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Empire District Electric Company	EDE	68.00%	67.00%	66.00%	65.00%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Great Plains Energy Inc.	GXP	55.00%	57.75%	60.50%	63.25%	66.00%	66.15%	66.30%	66.45%	66.60%	66.75%	66.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Hawaiian Electric Industries, Inc.	HE	78.00%	77.00%	76.00%	75.00%	74.00%	73.01%	72.01%	71.02%	70.03%	69.03%	68.04%	67.05%	67.05%	67.05%	67.05%	67.05%
IDACORP, Inc.	IDA	45.00%	49.00%	53.00%	57.00%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
NextEra Energy, Inc.	NEE	54.00%	55.25%	56.50%	57.75%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Otter Tail Corporation	OTTR	87.00%	80.00%	73.00%	66.00%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Pinnacle West Capital Corporation	PNW	62.00%	62.50%	63.00%	63.50%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
PNM Resources, Inc.	PNM	50.00%	50.25%	50.50%	50.75%	51.00%	53.29%	55.58%	57.88%	60.17%	62.46%	64.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Portland General Electric Company	POR	66.00%	63.50%	61.00%	58.50%	56.00%	57.58%	59.16%	60.73%	62.31%	63.89%	65.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Southern Company	SO	75.00%	74.25%	73.50%	72.75%	72.00%	71.29%	70.58%	69.88%	69.17%	68.46%	67.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Westar Energy, Inc.	WR	55.00%	56.25%	57.50%	58.75%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
Alliant Energy Corporation	LNT	64.00%	62.50%	61.00%	59.50%	58.00%	59.29%	60.58%	61.88%	63.17%	64.46%	65.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Black Hills Corporation	BKH	55.00%	54.75%	54.50%	54.25%	54.00%	55.86%	57.73%	59.59%	61.45%	63.32%	65.18%	67.05%	67.05%	67.05%	67.05%	67.05%
CMS Energy Corporation	CMS	60.00%	60.00%	60.00%	60.00%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
DTE Energy Company	DTE	67.00%	65.50%	64.00%	62.50%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
SCANA Corporation	SCG	59.00%	57.50%	56.00%	54.50%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%
TECO Energy, Inc.	TE	97.00%	90.50%	84.00%	77.50%	71.00%	70.44%	69.87%	69.31%	68.74%	68.18%	67.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Vectren Corporation	VVC	86.00%	77.75%	69.50%	61.25%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual Cash Flows

Company	Ticker	[47] 2013	[48] 2014	[49] 2015	[50] 2016	[51] 2017	[52] 2018	[53] 2019	[54] 2020	[55] 2021	[56] 2022	[57] 2023	[58] 2024	[59] 2025	[60] 2026	[61] 2027	[62] 2028	[63] Terminal Value
American Electric Power Company, Inc.	AEP	$1.99	$2.07	$2.15	$2.23	$2.32	$2.45	$2.58	$2.73	$2.89	$3.07	$3.27	$3.48	$3.68	$3.89	$4.11	$4.35	$104.91
Cleco Corp.	CNL	$1.56	$1.69	$1.83	$1.98	$2.14	$2.35	$2.56	$2.79	$3.04	$3.30	$3.57	$3.86	$4.08	$4.31	$4.55	$4.81	$109.26
Duke Energy Corporation	DUK	$2.93	$2.92	$2.90	$2.87	$2.84	$2.97	$3.13	$3.30	$3.49	$3.70	$3.93	$4.20	$4.43	$4.69	$4.96	$5.24	$149.66
Empire District Electric Company	EDE	$0.93	$0.94	$0.96	$0.98	$1.00	$1.04	$1.08	$1.13	$1.19	$1.26	$1.34	$1.42	$1.50	$1.59	$1.68	$1.77	$49.75
Great Plains Energy Inc.	GXP	$0.78	$0.87	$0.96	$1.06	$1.16	$1.23	$1.30	$1.37	$1.45	$1.54	$1.63	$1.73	$1.82	$1.93	$2.04	$2.16	$55.18
Hawaiian Electric Industries, Inc.	HE	$1.37	$1.41	$1.46	$1.51	$1.55	$1.60	$1.66	$1.71	$1.78	$1.85	$1.92	$2.00	$2.11	$2.23	$2.36	$2.50	$52.57
IDACORP, Inc.	IDA	$1.57	$1.76	$1.97	$2.19	$2.42	$2.54	$2.67	$2.82	$2.99	$3.17	$3.39	$3.63	$3.83	$4.05	$4.28	$4.53	$117.58
NextEra Energy, Inc.	NEE	$2.60	$2.81	$3.04	$3.29	$3.55	$3.82	$4.12	$4.43	$4.77	$5.14	$5.53	$5.94	$6.28	$6.64	$7.02	$7.42	$200.41
Otter Tail Corporation	OTTR	$1.01	$1.03	$1.03	$1.03	$1.02	$1.15	$1.29	$1.43	$1.57	$1.72	$1.86	$2.00	$2.11	$2.23	$2.36	$2.50	$66.34
Pinnacle West Capital Corporation	PNW	$2.26	$2.38	$2.50	$2.62	$2.76	$2.89	$3.04	$3.21	$3.39	$3.59	$3.81	$4.06	$4.29	$4.53	$4.79	$5.07	$115.86
PNM Resources, Inc.	PNM	$0.72	$0.79	$0.86	$0.95	$1.04	$1.19	$1.35	$1.52	$1.69	$1.88	$2.07	$2.27	$2.40	$2.53	$2.68	$2.83	$59.52
Portland General Electric Company	POR	$1.32	$1.36	$1.40	$1.43	$1.47	$1.62	$1.77	$1.94	$2.12	$2.30	$2.50	$2.71	$2.86	$3.02	$3.20	$3.38	$69.51
Southern Company	SO	$2.07	$2.13	$2.18	$2.24	$2.29	$2.35	$2.42	$2.50	$2.59	$2.69	$2.80	$2.93	$3.10	$3.28	$3.46	$3.66	$87.10
Westar Energy, Inc.	WR	$1.23	$1.32	$1.41	$1.50	$1.60	$1.70	$1.80	$1.92	$2.05	$2.19	$2.35	$2.52	$2.66	$2.81	$2.97	$3.14	$73.63
Alliant Energy Corporation	LNT	$2.06	$2.13	$2.19	$2.26	$2.33	$2.51	$2.71	$2.93	$3.16	$3.40	$3.67	$3.96	$4.18	$4.42	$4.67	$4.94	$117.73
Black Hills Corporation	BKH	$1.17	$1.26	$1.35	$1.45	$1.56	$1.75	$1.94	$2.15	$2.37	$2.60	$2.84	$3.09	$3.26	$3.45	$3.64	$3.85	$124.55
CMS Energy Corporation	CMS	$0.98	$1.04	$1.10	$1.17	$1.24	$1.34	$1.45	$1.56	$1.68	$1.81	$1.94	$2.08	$2.20	$2.33	$2.46	$2.60	$61.59
DTE Energy Company	DTE	$2.74	$2.83	$2.91	$3.00	$3.09	$3.30	$3.53	$3.78	$4.05	$4.33	$4.64	$4.97	$5.25	$5.55	$5.87	$6.20	$152.01
SCANA Corporation	SCG	$1.95	$1.99	$2.02	$2.06	$2.10	$2.28	$2.48	$2.70	$2.93	$3.19	$3.48	$3.79	$4.01	$4.23	$4.48	$4.73	$108.45

Multi-Stage Growth Discounted Cash Flow Model - Combined Proxy Group
90 Day Average Stock Price
Average EPS Growth Rate Estimate in First Stage

TECO Energy, Inc.	TE		$1.13	$1.08	$1.03	$0.97	$0.91	$0.93	$0.94	$0.97	$1.00	$1.04	$1.08	$1.14	$1.20	$1.27	$1.34	$1.42	$33.96
Vectren Corporation	VVC		$1.77	$1.69	$1.60	$1.49	$1.37	$1.51	$1.65	$1.81	$1.98	$2.16	$2.36	$2.57	$2.72	$2.87	$3.04	$3.21	$81.51

Projected Annual Data
Investor Cash Flows

		[64]	[65]	[66]	[67]	[68]	[69]	[70]	[71]	[72]	[73]	[74]	[75]	[76]	[77]	[78]	[79]	[80]
Company	Ticker	Initial Outflow	4/15/14	12/31/14	6/30/15	6/30/16	6/30/17	6/30/18	6/30/19	6/30/20	6/30/21	6/30/22	6/30/23	6/30/24	6/30/25	6/30/26	6/30/27	6/30/28
American Electric Power Company, Inc.	AEP	($48.45)	$0.00	$1.45	$2.15	$2.23	$2.32	$2.45	$2.58	$2.73	$2.89	$3.07	$3.27	$3.48	$3.68	$3.89	$4.11	$109.26
Cleco Corp.	CNL	($48.20)	$0.00	$1.15	$1.83	$1.98	$2.14	$2.35	$2.56	$2.79	$3.04	$3.30	$3.57	$3.86	$4.08	$4.31	$4.55	$114.08
Duke Energy Corporation	DUK	($69.79)	$0.00	$2.13	$2.90	$2.87	$2.84	$2.97	$3.13	$3.30	$3.49	$3.70	$3.93	$4.20	$4.43	$4.69	$4.96	$154.90
Empire District Electric Company	EDE	($23.23)	$0.00	$0.67	$0.96	$0.98	$1.00	$1.04	$1.08	$1.13	$1.19	$1.26	$1.34	$1.42	$1.50	$1.59	$1.68	$51.53
Great Plains Energy Inc.	GXP	($25.25)	$0.00	$0.57	$0.96	$1.06	$1.16	$1.23	$1.30	$1.37	$1.45	$1.54	$1.63	$1.73	$1.82	$1.93	$2.04	$57.33
Hawaiian Electric Industries, Inc.	HE	($25.45)	$0.00	$1.00	$1.46	$1.51	$1.55	$1.60	$1.66	$1.71	$1.78	$1.85	$1.92	$2.00	$2.11	$2.23	$2.36	$55.06
IDACORP, Inc.	IDA	($53.48)	$0.00	$1.13	$1.97	$2.19	$2.42	$2.54	$2.67	$2.82	$2.99	$3.17	$3.39	$3.63	$3.83	$4.05	$4.28	$122.11
NextEra Energy, Inc.	NEE	($89.87)	$0.00	$1.91	$3.04	$3.29	$3.55	$3.82	$4.12	$4.43	$4.77	$5.14	$5.53	$5.94	$6.28	$6.64	$7.02	$207.84
Otter Tail Corporation	OTTR	($29.45)	$0.00	$0.76	$1.03	$1.03	$1.02	$1.15	$1.29	$1.43	$1.57	$1.72	$1.86	$2.00	$2.11	$2.23	$2.36	$68.83
Pinnacle West Capital Corporation	PNW	($53.65)	$0.00	$1.65	$2.50	$2.62	$2.76	$2.89	$3.04	$3.21	$3.39	$3.59	$3.81	$4.06	$4.29	$4.53	$4.79	$120.92
PNM Resources, Inc.	PNM	($25.19)	$0.00	$0.53	$0.86	$0.95	$1.04	$1.19	$1.35	$1.52	$1.69	$1.88	$2.07	$2.27	$2.40	$2.53	$2.68	$62.35
Portland General Electric Company	POR	($30.80)	$0.00	$0.97	$1.40	$1.43	$1.47	$1.62	$1.77	$1.94	$2.12	$2.30	$2.50	$2.71	$2.86	$3.02	$3.20	$72.89
Southern Company	SO	($41.96)	$0.00	$1.50	$2.18	$2.24	$2.29	$2.35	$2.42	$2.50	$2.59	$2.69	$2.80	$2.93	$3.10	$3.28	$3.46	$90.76
Westar Energy, Inc.	WR	($33.44)	$0.00	$0.90	$1.41	$1.50	$1.60	$1.70	$1.80	$1.92	$2.05	$2.19	$2.35	$2.52	$2.66	$2.81	$2.97	$76.78
Alliant Energy Corporation	LNT	($53.06)	$0.00	$1.51	$2.19	$2.26	$2.33	$2.51	$2.71	$2.93	$3.16	$3.40	$3.67	$3.96	$4.18	$4.42	$4.67	$122.67
Black Hills Corporation	BKH	($54.72)	$0.00	$0.87	$1.35	$1.45	$1.56	$1.75	$1.94	$2.15	$2.37	$2.60	$2.84	$3.09	$3.26	$3.45	$3.64	$128.41
CMS Energy Corporation	CMS	($27.68)	$0.00	$0.72	$1.10	$1.17	$1.24	$1.34	$1.45	$1.56	$1.68	$1.81	$1.94	$2.08	$2.20	$2.33	$2.46	$64.19
DTE Energy Company	DTE	($69.33)	$0.00	$2.01	$2.91	$3.00	$3.09	$3.30	$3.53	$3.78	$4.05	$4.33	$4.64	$4.97	$5.25	$5.55	$5.87	$158.22
SCANA Corporation	SCG	($48.30)	$0.00	$1.42	$2.02	$2.06	$2.10	$2.28	$2.48	$2.70	$2.93	$3.19	$3.48	$3.79	$4.01	$4.23	$4.48	$113.18
TECO Energy, Inc.	TE	($16.85)	$0.00	$0.82	$1.03	$0.97	$0.91	$0.93	$0.94	$0.97	$1.00	$1.04	$1.08	$1.14	$1.20	$1.27	$1.34	$35.37
Vectren Corporation	VVC	($36.83)	$0.00	$1.30	$1.60	$1.49	$1.37	$1.51	$1.65	$1.81	$1.98	$2.16	$2.36	$2.57	$2.72	$2.87	$3.04	$84.72

Multi-Stage Growth Discounted Cash Flow Model - Combined Proxy Group
90 Day Average Stock Price
Low EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term	Payout Ratio			Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	Low Growth	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
American Electric Power Company, Inc.	AEP	$48.45	4.30%	4.23%	4.50%	4.23%	5.70%	64.00%	63.00%	67.05%	($0.00)	10.05%	16.31	2.86
Cleco Corp.	CNL	$48.20	8.00%	8.00%	4.50%	4.50%	5.70%	54.00%	57.00%	67.05%	($0.00)	9.64%	18.01	3.16
Duke Energy Corporation	DUK	$69.79	3.90%	3.92%	4.00%	3.90%	5.70%	76.00%	63.00%	67.05%	$0.00	9.39%	19.21	3.37
Empire District Electric Company	EDE	$23.23	3.00%	3.00%	4.00%	3.00%	5.70%	68.00%	64.00%	67.05%	$0.00	9.38%	19.29	3.38
Great Plains Energy Inc.	GXP	$25.25	5.20%	5.17%	6.00%	5.17%	5.70%	55.00%	66.00%	67.05%	($0.00)	9.75%	17.53	3.07
Hawaiian Electric Industries, Inc.	HE	$25.45	6.00%	4.20%	3.50%	3.50%	5.70%	78.00%	74.00%	67.05%	($0.00)	10.34%	15.30	2.68
IDACORP, Inc.	IDA	$53.48	4.00%	4.00%	2.00%	2.00%	5.70%	45.00%	61.00%	67.05%	$0.00	9.38%	19.26	3.38
NextEra Energy, Inc.	NEE	$89.87	6.10%	6.48%	4.50%	4.50%	5.70%	54.00%	59.00%	67.05%	$0.00	9.29%	19.77	3.47
Otter Tail Corporation	OTTR	$29.45	NA	6.00%	15.00%	6.00%	5.70%	87.00%	59.00%	67.05%	$0.00	8.58%	24.66	4.32
Pinnacle West Capital Corporation	PNW	$53.65	4.60%	4.13%	4.00%	4.00%	5.70%	62.00%	64.00%	67.05%	($0.00)	10.24%	15.61	2.74
PNM Resources, Inc.	PNM	$25.19	7.60%	8.20%	12.00%	7.60%	5.70%	50.00%	51.00%	67.05%	($0.00)	10.19%	15.81	2.77
Portland General Electric Company	POR	$30.80	6.60%	10.89%	3.50%	3.50%	5.70%	66.00%	56.00%	67.05%	($0.00)	9.70%	17.76	3.11
Southern Company	SO	$41.96	3.70%	3.55%	3.50%	3.50%	5.70%	75.00%	72.00%	67.05%	($0.00)	10.12%	16.05	2.81
Westar Energy, Inc.	WR	$33.44	4.30%	2.80%	6.00%	2.80%	5.70%	55.00%	60.00%	67.05%	($0.00)	9.72%	17.65	3.09
Alliant Energy Corporation	LNT	$53.06	5.50%	5.40%	6.00%	5.40%	5.70%	64.00%	58.00%	67.05%	($0.00)	10.07%	16.25	2.85
Black Hills Corporation	BKH	$54.72	4.00%	7.00%	13.00%	4.00%	5.70%	55.00%	54.00%	67.05%	$0.00	8.13%	29.16	5.11
CMS Energy Corporation	CMS	$27.68	6.00%	6.24%	6.50%	6.00%	5.70%	60.00%	60.00%	67.05%	($0.00)	10.09%	16.15	2.83
DTE Energy Company	DTE	$69.33	6.20%	5.21%	5.00%	5.00%	5.70%	67.00%	61.00%	67.05%	($0.00)	9.87%	17.01	2.98
SCANA Corporation	SCG	$48.30	4.50%	4.60%	5.00%	4.50%	5.70%	59.00%	53.00%	67.05%	($0.00)	10.25%	15.59	2.73
TECO Energy, Inc.	TE	$16.85	5.00%	0.17%	2.00%	0.17%	5.70%	97.00%	71.00%	67.05%	$0.00	9.41%	19.15	3.36
Vectren Corporation	VVC	$36.84	4.70%	4.50%	8.50%	4.50%	5.70%	86.00%	53.00%	67.05%	$0.00	9.46%	18.86	3.31

	DCF Result	Flotation Cost	DCF Result - w/ Flotation Cost
Mean	9.67%	0.14%	9.81%
Max	10.34%	0.14%	10.47%
Min	8.13%	0.14%	8.27%

Projected Annual
Earnings per Share

Company	Ticker	[14] 2012	[15] 2013	[16] 2014	[17] 2015	[18] 2016	[19] 2017	[20] 2018	[21] **2019**	[22] 2020	[23] 2021	[24] 2022	[25] 2023	[26] **2024**	[27] 2025	[28] 2026	[29] 2027	[30] 2028
American Electric Power Company, Inc.	AEP	$2.98	$3.11	$3.24	$3.37	$3.52	$3.67	$3.82	$3.99	$4.18	$4.39	$4.62	$4.87	$5.15	$5.44	$5.75	$6.08	$6.43
Cleco Corp.	CNL	$2.70	$2.82	$2.95	$3.08	$3.22	$3.36	$3.52	$3.68	$3.86	$4.06	$4.27	$4.51	$4.77	$5.04	$5.33	$5.63	$5.95
Duke Energy Corporation	DUK	$3.71	$3.85	$4.01	$4.16	$4.32	$4.49	$4.67	$4.86	$5.08	$5.33	$5.60	$5.90	$6.24	$6.59	$6.97	$7.37	$7.79
Empire District Electric Company	EDE	$1.32	$1.36	$1.40	$1.44	$1.49	$1.53	$1.58	$1.63	$1.69	$1.77	$1.85	$1.95	$2.06	$2.18	$2.30	$2.43	$2.57
Great Plains Energy Inc.	GXP	$1.35	$1.42	$1.49	$1.57	$1.65	$1.74	$1.83	$1.92	$2.03	$2.14	$2.25	$2.38	$2.52	$2.66	$2.81	$2.97	$3.14
Hawaiian Electric Industries, Inc.	HE	$1.68	$1.74	$1.80	$1.86	$1.93	$2.00	$2.07	$2.15	$2.24	$2.34	$2.45	$2.59	$2.73	$2.89	$3.05	$3.23	$3.41
IDACORP, Inc.	IDA	$3.37	$3.44	$3.51	$3.58	$3.65	$3.72	$3.80	$3.89	$4.02	$4.18	$4.36	$4.58	$4.85	$5.12	$5.41	$5.72	$6.05
NextEra Energy, Inc.	NEE	$4.56	$4.77	$4.98	$5.20	$5.44	$5.68	$5.94	$6.22	$6.52	$6.85	$7.22	$7.62	$8.05	$8.51	$8.99	$9.51	$10.05
Otter Tail Corporation	OTTR	$1.05	$1.11	$1.18	$1.25	$1.33	$1.41	$1.49	$1.58	$1.67	$1.77	$1.87	$1.98	$2.09	$2.21	$2.34	$2.47	$2.61
Pinnacle West Capital Corporation	PNW	$3.50	$3.64	$3.79	$3.94	$4.09	$4.26	$4.43	$4.62	$4.83	$5.06	$5.32	$5.61	$5.93	$6.27	$6.63	$7.01	$7.41
PNM Resources, Inc.	PNM	$1.31	$1.41	$1.52	$1.63	$1.76	$1.89	$2.03	$2.18	$2.33	$2.49	$2.65	$2.81	$2.97	$3.13	$3.31	$3.50	$3.70
Portland General Electric Company	POR	$1.87	$1.94	$2.00	$2.07	$2.15	$2.22	$2.30	$2.39	$2.49	$2.60	$2.73	$2.88	$3.04	$3.22	$3.40	$3.59	$3.80
Southern Company	SO	$2.67	$2.76	$2.86	$2.96	$3.06	$3.17	$3.28	$3.41	$3.55	$3.72	$3.90	$4.11	$4.34	$4.59	$4.85	$5.13	$5.42
Westar Energy, Inc.	WR	$2.15	$2.21	$2.27	$2.34	$2.40	$2.47	$2.54	$2.62	$2.72	$2.84	$2.97	$3.12	$3.30	$3.49	$3.69	$3.90	$4.12
Alliant Energy Corporation	LNT	$3.05	$3.21	$3.39	$3.57	$3.76	$3.97	$4.18	$4.41	$4.65	$4.91	$5.19	$5.48	$5.79	$6.12	$6.47	$6.84	$7.23
Black Hills Corporation	BKH	$1.97	$2.05	$2.13	$2.22	$2.30	$2.40	$2.49	$2.60	$2.72	$2.85	$3.00	$3.16	$3.34	$3.53	$3.73	$3.94	$4.17
CMS Energy Corporation	CMS	$1.53	$1.62	$1.72	$1.82	$1.93	$2.05	$2.17	$2.30	$2.44	$2.58	$2.73	$2.88	$3.05	$3.22	$3.41	$3.60	$3.81
DTE Energy Company	DTE	$3.88	$4.07	$4.28	$4.49	$4.72	$4.95	$5.20	$5.47	$5.75	$6.06	$6.39	$6.75	$7.13	$7.54	$7.97	$8.42	$8.91
SCANA Corporation	SCG	$3.15	$3.29	$3.44	$3.59	$3.76	$3.93	$4.10	$4.29	$4.51	$4.74	$4.99	$5.26	$5.56	$5.88	$6.21	$6.57	$6.94
TECO Energy, Inc.	TE	$1.14	$1.14	$1.14	$1.15	$1.15	$1.15	$1.15	$1.16	$1.19	$1.22	$1.27	$1.33	$1.41	$1.49	$1.57	$1.66	$1.76
Vectren Corporation	VVC	$1.94	$2.03	$2.12	$2.21	$2.31	$2.42	$2.53	$2.65	$2.77	$2.92	$3.07	$3.24	$3.42	$3.62	$3.83	$4.05	$4.28

Projected Annual
Dividend Payout Ratio

Company	Ticker		[31] 2013	[32] 2014	[33] 2015	[34] 2016	[35] 2017	[36] 2018	[37] 2019	[38] 2020	[39] 2021	[40] 2022	[41] 2023	[42] 2024	[43] 2025	[44] 2026	[45] 2027	[46] 2028
American Electric Power Company, Inc.	AEP		64.00%	63.75%	63.50%	63.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Cleco Corp.	CNL		54.00%	54.75%	55.50%	56.25%	57.00%	58.44%	59.87%	61.31%	62.74%	64.18%	65.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Duke Energy Corporation	DUK		76.00%	72.75%	69.50%	66.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Empire District Electric Company	EDE		68.00%	67.00%	66.00%	65.00%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Great Plains Energy Inc.	GXP		55.00%	57.75%	60.50%	63.25%	66.00%	66.15%	66.30%	66.45%	66.60%	66.75%	66.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Hawaiian Electric Industries, Inc.	HE		78.00%	77.00%	76.00%	75.00%	74.00%	73.01%	72.01%	71.02%	70.03%	69.03%	68.04%	67.05%	67.05%	67.05%	67.05%	67.05%
IDACORP, Inc.	IDA		45.00%	49.00%	53.00%	57.00%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
NextEra Energy, Inc.	NEE		54.00%	55.25%	56.50%	57.75%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Otter Tail Corporation	OTTR		87.00%	80.00%	73.00%	66.00%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Pinnacle West Capital Corporation	PNW		62.00%	62.50%	63.00%	63.50%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
PNM Resources, Inc.	PNM		50.00%	50.25%	50.50%	50.75%	51.00%	53.29%	55.58%	57.88%	60.17%	62.46%	64.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Portland General Electric Company	POR		66.00%	63.50%	61.00%	58.50%	56.00%	57.58%	59.16%	60.73%	62.31%	63.89%	65.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Southern Company	SO		75.00%	74.25%	73.50%	72.75%	72.00%	71.29%	70.58%	69.88%	69.17%	68.46%	67.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Westar Energy, Inc.	WR		55.00%	56.25%	57.50%	58.75%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
Alliant Energy Corporation	LNT		64.00%	62.50%	61.00%	59.50%	58.00%	59.29%	60.58%	61.88%	63.17%	64.46%	65.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Black Hills Corporation	BKH		55.00%	54.75%	54.50%	54.25%	54.00%	55.86%	57.73%	59.59%	61.45%	63.32%	65.18%	67.05%	67.05%	67.05%	67.05%	67.05%
CMS Energy Corporation	CMS		60.00%	60.00%	60.00%	60.00%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
DTE Energy Company	DTE		67.00%	65.50%	64.00%	62.50%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
SCANA Corporation	SCG		59.00%	57.50%	56.00%	54.50%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%
TECO Energy, Inc.	TE		97.00%	90.50%	84.00%	77.50%	71.00%	70.44%	69.87%	69.31%	68.74%	68.18%	67.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Vectren Corporation	VVC		86.00%	77.75%	69.50%	61.25%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual
Cash Flows

Company	Ticker		[47] 2013	[48] 2014	[49] 2015	[50] 2016	[51] 2017	[52] 2018	[53] 2019	[54] 2020	[55] 2021	[56] 2022	[57] 2023	[58] 2024	[59] 2025	[60] 2026	[61] 2027	[62] 2028	[63] Terminal Value
American Electric Power Company, Inc.	AEP		$1.99	$2.06	$2.14	$2.22	$2.31	$2.43	$2.56	$2.71	$2.87	$3.04	$3.24	$3.45	$3.65	$3.86	$4.08	$4.31	$104.82
Cleco Corp.	CNL		$1.52	$1.61	$1.71	$1.81	$1.92	$2.05	$2.20	$2.37	$2.55	$2.74	$2.96	$3.20	$3.38	$3.57	$3.77	$3.99	$107.17
Duke Energy Corporation	DUK		$2.93	$2.91	$2.89	$2.86	$2.83	$2.97	$3.12	$3.29	$3.48	$3.69	$3.92	$4.18	$4.42	$4.67	$4.94	$5.22	$149.62
Empire District Electric Company	EDE		$0.92	$0.94	$0.95	$0.97	$0.98	$1.02	$1.06	$1.11	$1.16	$1.23	$1.30	$1.38	$1.46	$1.54	$1.63	$1.73	$49.66
Great Plains Energy Inc.	GXP		$0.78	$0.86	$0.95	$1.04	$1.15	$1.21	$1.27	$1.35	$1.42	$1.50	$1.59	$1.69	$1.78	$1.89	$1.99	$2.11	$55.07
Hawaiian Electric Industries, Inc.	HE		$1.36	$1.39	$1.42	$1.45	$1.48	$1.51	$1.54	$1.59	$1.64	$1.69	$1.76	$1.83	$1.94	$2.05	$2.16	$2.29	$52.22
IDACORP, Inc.	IDA		$1.55	$1.72	$1.90	$2.08	$2.27	$2.35	$2.44	$2.56	$2.69	$2.85	$3.03	$3.25	$3.43	$3.63	$3.84	$4.06	$116.52
NextEra Energy, Inc.	NEE		$2.57	$2.75	$2.94	$3.14	$3.35	$3.57	$3.81	$4.07	$4.36	$4.67	$5.02	$5.40	$5.71	$6.03	$6.37	$6.74	$198.73
Otter Tail Corporation	OTTR		$0.97	$0.94	$0.91	$0.87	$0.83	$0.90	$0.97	$1.04	$1.13	$1.21	$1.30	$1.40	$1.48	$1.57	$1.66	$1.75	$64.41
Pinnacle West Capital Corporation	PNW		$2.26	$2.37	$2.48	$2.60	$2.73	$2.85	$3.00	$3.15	$3.33	$3.52	$3.74	$3.98	$4.20	$4.44	$4.70	$4.97	$115.65
PNM Resources, Inc.	PNM		$0.70	$0.76	$0.82	$0.89	$0.96	$1.08	$1.21	$1.35	$1.50	$1.65	$1.82	$1.99	$2.10	$2.22	$2.35	$2.48	$58.52
Portland General Electric Company	POR		$1.28	$1.27	$1.26	$1.26	$1.24	$1.32	$1.41	$1.51	$1.62	$1.75	$1.88	$2.04	$2.16	$2.28	$2.41	$2.55	$67.47
Southern Company	SO		$2.07	$2.12	$2.18	$2.23	$2.28	$2.34	$2.41	$2.48	$2.57	$2.67	$2.78	$2.91	$3.08	$3.25	$3.44	$3.64	$87.06
Westar Energy, Inc.	WR		$1.22	$1.28	$1.34	$1.41	$1.48	$1.55	$1.63	$1.71	$1.82	$1.93	$2.06	$2.21	$2.34	$2.47	$2.62	$2.76	$72.77
Alliant Energy Corporation	LNT		$2.06	$2.12	$2.18	$2.24	$2.30	$2.48	$2.67	$2.88	$3.10	$3.34	$3.60	$3.88	$4.10	$4.34	$4.59	$4.85	$117.51
Black Hills Corporation	BKH		$1.13	$1.17	$1.21	$1.25	$1.29	$1.39	$1.50	$1.62	$1.75	$1.90	$2.06	$2.24	$2.37	$2.50	$2.64	$2.80	$121.58
CMS Energy Corporation	CMS		$0.97	$1.03	$1.09	$1.16	$1.23	$1.32	$1.43	$1.53	$1.65	$1.77	$1.90	$2.04	$2.16	$2.28	$2.41	$2.55	$61.46
DTE Energy Company	DTE		$2.73	$2.80	$2.87	$2.95	$3.02	$3.22	$3.43	$3.66	$3.91	$4.17	$4.47	$4.78	$5.06	$5.34	$5.65	$5.97	$151.48
SCANA Corporation	SCG		$1.94	$1.98	$2.01	$2.05	$2.08	$2.26	$2.45	$2.66	$2.89	$3.14	$3.42	$3.73	$3.94	$4.17	$4.40	$4.65	$108.26

Multi-Stage Growth Discounted Cash Flow Model - Combined Proxy Group
90 Day Average Stock Price
Low EPS Growth Rate Estimate in First Stage

TECO Energy, Inc.	TE		$1.11	$1.04	$0.96	$0.89	$0.82	$0.81	$0.81	$0.82	$0.84	$0.87	$0.90	$0.94	$1.00	$1.05	$1.11	$1.18	$33.62
Vectren Corporation	VVC		$1.74	$1.65	$1.54	$1.42	$1.28	$1.39	$1.51	$1.64	$1.78	$1.94	$2.11	$2.30	$2.43	$2.57	$2.71	$2.87	$80.65

Projected Annual Data
Investor Cash Flows

		[64]	[65]	[66]	[67]	[68]	[69]	[70]	[71]	[72]	[73]	[74]	[75]	[76]	[77]	[78]	[79]	[80]
Company	Ticker	Initial Outflow	4/15/14	12/31/14	6/30/15	6/30/16	6/30/17	6/30/18	6/30/19	6/30/20	6/30/21	6/30/22	6/30/23	6/30/24	6/30/25	6/30/26	6/30/27	6/30/28
American Electric Power Company, Inc.	AEP	($48.45)	$0.00	$1.45	$2.14	$2.22	$2.31	$2.43	$2.56	$2.71	$2.87	$3.04	$3.24	$3.45	$3.65	$3.86	$4.08	$109.13
Cleco Corp.	CNL	($48.20)	$0.00	$1.11	$1.71	$1.81	$1.92	$2.05	$2.20	$2.37	$2.55	$2.74	$2.96	$3.20	$3.38	$3.57	$3.77	$111.16
Duke Energy Corporation	DUK	($69.79)	$0.00	$2.13	$2.89	$2.86	$2.83	$2.97	$3.12	$3.29	$3.48	$3.69	$3.92	$4.18	$4.42	$4.67	$4.94	$154.85
Empire District Electric Company	EDE	($23.23)	$0.00	$0.67	$0.95	$0.97	$0.98	$1.02	$1.06	$1.11	$1.16	$1.23	$1.30	$1.38	$1.46	$1.54	$1.63	$51.38
Great Plains Energy Inc.	GXP	($25.25)	$0.00	$0.57	$0.95	$1.04	$1.15	$1.21	$1.27	$1.35	$1.42	$1.50	$1.59	$1.69	$1.78	$1.89	$1.99	$57.18
Hawaiian Electric Industries, Inc.	HE	($25.45)	$0.00	$0.98	$1.42	$1.45	$1.48	$1.51	$1.54	$1.59	$1.64	$1.69	$1.76	$1.83	$1.94	$2.05	$2.16	$54.51
IDACORP, Inc.	IDA	($53.48)	$0.00	$1.11	$1.90	$2.08	$2.27	$2.35	$2.44	$2.56	$2.69	$2.85	$3.03	$3.25	$3.43	$3.63	$3.84	$120.58
NextEra Energy, Inc.	NEE	($89.87)	$0.00	$1.87	$2.94	$3.14	$3.35	$3.57	$3.81	$4.07	$4.36	$4.67	$5.02	$5.40	$5.71	$6.03	$6.37	$205.47
Otter Tail Corporation	OTTR	($29.45)	$0.00	$0.71	$0.91	$0.87	$0.83	$0.90	$0.97	$1.04	$1.13	$1.21	$1.30	$1.40	$1.48	$1.57	$1.66	$66.16
Pinnacle West Capital Corporation	PNW	($53.65)	$0.00	$1.64	$2.48	$2.60	$2.73	$2.85	$3.00	$3.15	$3.33	$3.52	$3.74	$3.98	$4.20	$4.44	$4.70	$120.61
PNM Resources, Inc.	PNM	($25.19)	$0.00	$0.52	$0.82	$0.89	$0.96	$1.08	$1.21	$1.35	$1.50	$1.65	$1.82	$1.99	$2.10	$2.22	$2.35	$61.00
Portland General Electric Company	POR	($30.80)	$0.00	$0.93	$1.26	$1.26	$1.24	$1.32	$1.41	$1.51	$1.62	$1.75	$1.88	$2.04	$2.16	$2.28	$2.41	$70.01
Southern Company	SO	($41.96)	$0.00	$1.50	$2.18	$2.23	$2.28	$2.34	$2.41	$2.48	$2.57	$2.67	$2.78	$2.91	$3.08	$3.25	$3.44	$90.69
Westar Energy, Inc.	WR	($33.44)	$0.00	$0.88	$1.34	$1.41	$1.48	$1.55	$1.63	$1.71	$1.82	$1.93	$2.06	$2.21	$2.34	$2.47	$2.62	$75.54
Alliant Energy Corporation	LNT	($53.06)	$0.00	$1.51	$2.18	$2.24	$2.30	$2.48	$2.67	$2.88	$3.10	$3.34	$3.60	$3.88	$4.10	$4.34	$4.59	$122.36
Black Hills Corporation	BKH	($54.72)	$0.00	$0.82	$1.21	$1.25	$1.29	$1.39	$1.50	$1.62	$1.75	$1.90	$2.06	$2.24	$2.37	$2.50	$2.64	$124.37
CMS Energy Corporation	CMS	($27.68)	$0.00	$0.71	$1.09	$1.16	$1.23	$1.32	$1.43	$1.53	$1.65	$1.77	$1.90	$2.04	$2.16	$2.28	$2.41	$64.02
DTE Energy Company	DTE	($69.33)	$0.00	$1.99	$2.87	$2.95	$3.02	$3.22	$3.43	$3.66	$3.91	$4.17	$4.47	$4.78	$5.06	$5.34	$5.65	$157.45
SCANA Corporation	SCG	($48.30)	$0.00	$1.41	$2.01	$2.05	$2.08	$2.26	$2.45	$2.66	$2.89	$3.14	$3.42	$3.73	$3.94	$4.17	$4.40	$112.91
TECO Energy, Inc.	TE	($16.85)	$0.00	$0.79	$0.96	$0.89	$0.82	$0.81	$0.81	$0.82	$0.84	$0.87	$0.90	$0.94	$1.00	$1.05	$1.11	$34.80
Vectren Corporation	VVC	($36.83)	$0.00	$1.27	$1.54	$1.42	$1.28	$1.39	$1.51	$1.64	$1.78	$1.94	$2.11	$2.30	$2.43	$2.57	$2.71	$83.52

Multi-Stage Growth Discounted Cash Flow Model - Combined Proxy Group
90 Day Average Stock Price
High EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term	Payout Ratio			Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	High Growth	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
American Electric Power Company, Inc.	AEP	$48.45	4.30%	4.23%	4.50%	4.50%	5.70%	64.00%	63.00%	67.05%	($0.00)	10.14%	15.99	2.80
Cleco Corp.	CNL	$48.20	8.00%	8.00%	4.50%	8.00%	5.70%	54.00%	57.00%	67.05%	($0.00)	10.76%	14.03	2.46
Duke Energy Corporation	DUK	$69.79	3.90%	3.92%	4.00%	4.00%	5.70%	76.00%	63.00%	67.05%	$0.00	9.42%	19.07	3.34
Empire District Electric Company	EDE	$23.23	3.00%	3.00%	4.00%	4.00%	5.70%	68.00%	64.00%	67.05%	($0.00)	9.67%	17.89	3.14
Great Plains Energy Inc.	GXP	$25.25	5.20%	5.17%	6.00%	6.00%	5.70%	55.00%	66.00%	67.05%	($0.00)	10.00%	16.49	2.89
Hawaiian Electric Industries, Inc.	HE	$25.45	6.00%	4.20%	3.50%	6.00%	5.70%	78.00%	74.00%	67.05%	($0.00)	11.28%	12.71	2.23
IDACORP, Inc.	IDA	$53.48	4.00%	4.00%	2.00%	4.00%	5.70%	45.00%	61.00%	67.05%	($0.00)	9.98%	16.57	2.90
NextEra Energy, Inc.	NEE	$89.87	6.10%	6.48%	4.50%	6.48%	5.70%	54.00%	59.00%	67.05%	($0.00)	9.85%	17.10	3.00
Otter Tail Corporation	OTTR	$29.45	NA	6.00%	15.00%	15.00%	5.70%	87.00%	59.00%	67.05%	($0.00)	11.08%	13.19	2.31
Pinnacle West Capital Corporation	PNW	$53.65	4.60%	4.13%	4.00%	4.60%	5.70%	62.00%	64.00%	67.05%	$0.00	10.45%	14.94	2.62
PNM Resources, Inc.	PNM	$25.19	7.60%	8.20%	12.00%	12.00%	5.70%	50.00%	51.00%	67.05%	($0.00)	11.72%	11.79	2.07
Portland General Electric Company	POR	$30.80	6.60%	10.89%	3.50%	10.89%	5.70%	66.00%	56.00%	67.05%	($0.00)	12.37%	10.63	1.86
Southern Company	SO	$41.96	3.70%	3.55%	3.50%	3.70%	5.70%	75.00%	72.00%	67.05%	$0.00	10.19%	15.81	2.77
Westar Energy, Inc.	WR	$33.44	4.30%	2.80%	6.00%	6.00%	5.70%	55.00%	60.00%	67.05%	($0.00)	10.78%	13.96	2.45
Alliant Energy Corporation	LNT	$53.06	5.50%	5.40%	6.00%	6.00%	5.70%	64.00%	58.00%	67.05%	$0.00	10.26%	15.56	2.73
Black Hills Corporation	BKH	$54.72	4.00%	7.00%	13.00%	13.00%	5.70%	55.00%	54.00%	67.05%	$0.00	10.32%	15.37	2.69
CMS Energy Corporation	CMS	$27.68	6.00%	6.24%	6.50%	6.50%	5.70%	60.00%	60.00%	67.05%	$0.00	10.25%	15.58	2.73
DTE Energy Company	DTE	$69.33	6.20%	5.21%	5.00%	6.20%	5.70%	67.00%	61.00%	67.05%	$0.00	10.25%	15.59	2.73
SCANA Corporation	SCG	$48.30	4.50%	4.60%	5.00%	5.00%	5.70%	59.00%	53.00%	67.05%	$0.00	10.42%	15.04	2.64
TECO Energy, Inc.	TE	$16.85	5.00%	0.17%	2.00%	5.00%	5.70%	97.00%	71.00%	67.05%	($0.00)	11.08%	13.19	2.31
Vectren Corporation	VVC	$36.84	4.70%	4.50%	8.50%	8.50%	5.70%	86.00%	53.00%	67.05%	$0.00	10.70%	14.17	2.48

	DCF Result	Flotation Cost	DCF Result - w/ Flotation Cost
Mean	10.52%	0.14%	10.66%
Max	12.37%	0.14%	12.51%
Min	9.42%	0.14%	9.56%

Projected Annual
Earnings per Share

Company	Ticker	[14] 2012	[15] 2013	[16] 2014	[17] 2015	[18] 2016	[19] 2017	[20] 2018	[21] **2019**	[22] 2020	[23] 2021	[24] 2022	[25] 2023	[26] **2024**	[27] 2025	[28] 2026	[29] 2027	[30] 2028
American Electric Power Company, Inc.	AEP	$2.98	$3.11	$3.25	$3.40	$3.55	$3.71	$3.88	$4.06	$4.26	$4.48	$4.72	$4.98	$5.26	$5.56	$5.88	$6.21	$6.57
Cleco Corp.	CNL	$2.70	$2.92	$3.15	$3.40	$3.67	$3.97	$4.28	$4.61	$4.94	$5.28	$5.63	$5.97	$6.31	$6.67	$7.05	$7.45	$7.88
Duke Energy Corporation	DUK	$3.71	$3.86	$4.01	$4.17	$4.34	$4.51	$4.69	$4.90	$5.12	$5.37	$5.64	$5.95	$6.29	$6.65	$7.03	$7.43	$7.85
Empire District Electric Company	EDE	$1.32	$1.37	$1.43	$1.48	$1.54	$1.61	$1.67	$1.74	$1.82	$1.91	$2.01	$2.12	$2.24	$2.37	$2.50	$2.64	$2.79
Great Plains Energy Inc.	GXP	$1.35	$1.43	$1.52	$1.61	$1.70	$1.81	$1.92	$2.03	$2.15	$2.27	$2.41	$2.54	$2.69	$2.84	$3.01	$3.18	$3.36
Hawaiian Electric Industries, Inc.	HE	$1.68	$1.78	$1.89	$2.00	$2.12	$2.25	$2.38	$2.52	$2.67	$2.83	$2.99	$3.17	$3.35	$3.54	$3.74	$3.95	$4.18
IDACORP, Inc.	IDA	$3.37	$3.50	$3.64	$3.79	$3.94	$4.10	$4.26	$4.45	$4.65	$4.88	$5.13	$5.40	$5.71	$6.04	$6.38	$6.75	$7.13
NextEra Energy, Inc.	NEE	$4.56	$4.86	$5.17	$5.51	$5.86	$6.24	$6.65	$7.07	$7.51	$7.97	$8.44	$8.93	$9.44	$9.98	$10.55	$11.15	$11.79
Otter Tail Corporation	OTTR	$1.05	$1.21	$1.39	$1.60	$1.84	$2.11	$2.43	$2.76	$3.08	$3.40	$3.70	$3.97	$4.20	$4.44	$4.69	$4.96	$5.24
Pinnacle West Capital Corporation	PNW	$3.50	$3.66	$3.83	$4.01	$4.19	$4.38	$4.58	$4.80	$5.04	$5.30	$5.58	$5.89	$6.23	$6.58	$6.96	$7.36	$7.78
PNM Resources, Inc.	PNM	$1.31	$1.47	$1.64	$1.84	$2.06	$2.31	$2.59	$2.87	$3.15	$3.43	$3.70	$3.95	$4.18	$4.41	$4.66	$4.93	$5.21
Portland General Electric Company	POR	$1.87	$2.07	$2.30	$2.55	$2.83	$3.14	$3.48	$3.83	$4.18	$4.52	$4.86	$5.18	$5.47	$5.79	$6.12	$6.46	$6.83
Southern Company	SO	$2.67	$2.77	$2.87	$2.98	$3.09	$3.20	$3.32	$3.45	$3.61	$3.77	$3.96	$4.18	$4.42	$4.67	$4.93	$5.22	$5.51
Westar Energy, Inc.	WR	$2.15	$2.28	$2.42	$2.56	$2.71	$2.88	$3.05	$3.23	$3.42	$3.62	$3.83	$4.05	$4.28	$4.53	$4.79	$5.06	$5.35
Alliant Energy Corporation	LNT	$3.05	$3.23	$3.43	$3.63	$3.85	$4.08	$4.33	$4.58	$4.85	$5.14	$5.44	$5.75	$6.08	$6.42	$6.79	$7.18	$7.59
Black Hills Corporation	BKH	$1.97	$2.23	$2.52	$2.84	$3.21	$3.63	$4.10	$4.58	$5.07	$5.54	$5.99	$6.41	$6.77	$7.16	$7.57	$8.00	$8.46
CMS Energy Corporation	CMS	$1.53	$1.63	$1.74	$1.85	$1.97	$2.10	$2.23	$2.37	$2.52	$2.68	$2.84	$3.00	$3.17	$3.35	$3.55	$3.75	$3.96
DTE Energy Company	DTE	$3.88	$4.12	$4.38	$4.65	$4.94	$5.24	$5.57	$5.91	$6.26	$6.64	$7.03	$7.43	$7.86	$8.30	$8.78	$9.28	$9.81
SCANA Corporation	SCG	$3.15	$3.31	$3.47	$3.65	$3.83	$4.02	$4.22	$4.44	$4.67	$4.92	$5.19	$5.48	$5.79	$6.12	$6.47	$6.84	$7.23
TECO Energy, Inc.	TE	$1.14	$1.20	$1.26	$1.32	$1.39	$1.45	$1.53	$1.61	$1.69	$1.78	$1.88	$1.98	$2.10	$2.22	$2.34	$2.48	$2.62
Vectren Corporation	VVC	$1.94	$2.10	$2.28	$2.48	$2.69	$2.92	$3.17	$3.42	$3.68	$3.94	$4.20	$4.46	$4.71	$4.98	$5.27	$5.57	$5.89

Projected Annual
Dividend Payout Ratio

Company	Ticker	[31] 2013	[32] 2014	[33] 2015	[34] 2016	[35] 2017	[36] 2018	[37] 2019	[38] 2020	[39] 2021	[40] 2022	[41] 2023	[42] 2024	[43] 2025	[44] 2026	[45] 2027	[46] 2028
American Electric Power Company, Inc.	AEP	64.00%	63.75%	63.50%	63.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Cleco Corp.	CNL	54.00%	54.75%	55.50%	56.25%	57.00%	58.44%	59.87%	61.31%	62.74%	64.18%	65.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Duke Energy Corporation	DUK	76.00%	72.75%	69.50%	66.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Empire District Electric Company	EDE	68.00%	67.00%	66.00%	65.00%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Great Plains Energy Inc.	GXP	55.00%	57.75%	60.50%	63.25%	66.00%	66.15%	66.30%	66.45%	66.60%	66.75%	66.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Hawaiian Electric Industries, Inc.	HE	78.00%	77.00%	76.00%	75.00%	74.00%	73.01%	72.01%	71.02%	70.03%	69.03%	68.04%	67.05%	67.05%	67.05%	67.05%	67.05%
IDACORP, Inc.	IDA	45.00%	49.00%	53.00%	57.00%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
NextEra Energy, Inc.	NEE	54.00%	55.25%	56.50%	57.75%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Otter Tail Corporation	OTTR	87.00%	80.00%	73.00%	66.00%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Pinnacle West Capital Corporation	PNW	62.00%	62.50%	63.00%	63.50%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
PNM Resources, Inc.	PNM	50.00%	50.25%	50.50%	50.75%	51.00%	53.29%	55.58%	57.88%	60.17%	62.46%	64.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Portland General Electric Company	POR	66.00%	63.50%	61.00%	58.50%	56.00%	57.58%	59.16%	60.73%	62.31%	63.89%	65.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Southern Company	SO	75.00%	74.25%	73.50%	72.75%	72.00%	71.29%	70.58%	69.88%	69.17%	68.46%	67.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Westar Energy, Inc.	WR	55.00%	56.25%	57.50%	58.75%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
Alliant Energy Corporation	LNT	64.00%	62.50%	61.00%	59.50%	58.00%	59.29%	60.58%	61.88%	63.17%	64.46%	65.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Black Hills Corporation	BKH	55.00%	54.75%	54.50%	54.25%	54.00%	55.86%	57.73%	59.59%	61.45%	63.32%	65.18%	67.05%	67.05%	67.05%	67.05%	67.05%
CMS Energy Corporation	CMS	60.00%	60.00%	60.00%	60.00%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
DTE Energy Company	DTE	67.00%	65.50%	64.00%	62.50%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
SCANA Corporation	SCG	59.00%	57.50%	56.00%	54.50%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%
TECO Energy, Inc.	TE	97.00%	90.50%	84.00%	77.50%	71.00%	70.44%	69.87%	69.31%	68.74%	68.18%	67.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Vectren Corporation	VVC	86.00%	77.75%	69.50%	61.25%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual
Cash Flows

Company	Ticker	[47] 2013	[48] 2014	[49] 2015	[50] 2016	[51] 2017	[52] 2018	[53] 2019	[54] 2020	[55] 2021	[56] 2022	[57] 2023	[58] 2024	[59] 2025	[60] 2026	[61] 2027	[62] 2028	[63] Terminal Value
American Electric Power Company, Inc.	AEP	$1.99	$2.07	$2.16	$2.25	$2.34	$2.47	$2.61	$2.76	$2.93	$3.11	$3.31	$3.53	$3.73	$3.94	$4.17	$4.40	$105.03
Cleco Corp.	CNL	$1.57	$1.72	$1.89	$2.07	$2.26	$2.50	$2.76	$3.03	$3.31	$3.61	$3.92	$4.23	$4.47	$4.73	$5.00	$5.28	$110.48
Duke Energy Corporation	DUK	$2.93	$2.92	$2.90	$2.88	$2.84	$2.98	$3.14	$3.31	$3.51	$3.72	$3.95	$4.22	$4.46	$4.71	$4.98	$5.26	$149.71
Empire District Electric Company	EDE	$0.93	$0.96	$0.98	$1.00	$1.03	$1.08	$1.13	$1.19	$1.26	$1.33	$1.41	$1.50	$1.59	$1.68	$1.77	$1.87	$49.96
Great Plains Energy Inc.	GXP	$0.79	$0.88	$0.97	$1.08	$1.19	$1.27	$1.35	$1.43	$1.51	$1.61	$1.70	$1.80	$1.91	$2.02	$2.13	$2.25	$55.39
Hawaiian Electric Industries, Inc.	HE	$1.39	$1.45	$1.52	$1.59	$1.66	$1.74	$1.82	$1.90	$1.98	$2.07	$2.15	$2.24	$2.37	$2.51	$2.65	$2.80	$53.11
IDACORP, Inc.	IDA	$1.58	$1.79	$2.01	$2.25	$2.50	$2.64	$2.79	$2.96	$3.14	$3.35	$3.58	$3.83	$4.05	$4.28	$4.52	$4.78	$118.17
NextEra Energy, Inc.	NEE	$2.62	$2.86	$3.11	$3.39	$3.68	$4.00	$4.33	$4.69	$5.07	$5.46	$5.89	$6.33	$6.69	$7.07	$7.48	$7.90	$201.63
Otter Tail Corporation	OTTR	$1.05	$1.11	$1.17	$1.21	$1.25	$1.46	$1.69	$1.93	$2.16	$2.40	$2.62	$2.81	$2.97	$3.14	$3.32	$3.51	$69.14
Pinnacle West Capital Corporation	PNW	$2.27	$2.39	$2.52	$2.66	$2.80	$2.95	$3.12	$3.29	$3.49	$3.70	$3.93	$4.18	$4.41	$4.67	$4.93	$5.21	$116.18
PNM Resources, Inc.	PNM	$0.73	$0.83	$0.93	$1.05	$1.18	$1.38	$1.59	$1.82	$2.07	$2.31	$2.56	$2.80	$2.96	$3.13	$3.31	$3.49	$61.45
Portland General Electric Company	POR	$1.37	$1.46	$1.56	$1.65	$1.76	$2.00	$2.26	$2.54	$2.82	$3.10	$3.39	$3.67	$3.88	$4.10	$4.33	$4.58	$72.61
Southern Company	SO	$2.08	$2.13	$2.19	$2.25	$2.31	$2.37	$2.44	$2.52	$2.61	$2.71	$2.83	$2.96	$3.13	$3.31	$3.50	$3.70	$87.16
Westar Energy, Inc.	WR	$1.25	$1.36	$1.47	$1.59	$1.73	$1.86	$2.00	$2.16	$2.32	$2.49	$2.68	$2.87	$3.04	$3.21	$3.39	$3.59	$74.68
Alliant Energy Corporation	LNT	$2.07	$2.14	$2.22	$2.29	$2.37	$2.57	$2.78	$3.00	$3.25	$3.50	$3.78	$4.07	$4.31	$4.55	$4.81	$5.09	$118.09
Black Hills Corporation	BKH	$1.22	$1.38	$1.55	$1.74	$1.96	$2.29	$2.65	$3.02	$3.41	$3.80	$4.18	$4.54	$4.80	$5.08	$5.36	$5.67	$129.98
CMS Energy Corporation	CMS	$0.98	$1.04	$1.11	$1.18	$1.26	$1.36	$1.47	$1.59	$1.71	$1.84	$1.98	$2.13	$2.25	$2.38	$2.51	$2.66	$61.72
DTE Energy Company	DTE	$2.76	$2.87	$2.97	$3.08	$3.20	$3.44	$3.71	$3.98	$4.28	$4.59	$4.92	$5.27	$5.57	$5.89	$6.22	$6.58	$152.89
SCANA Corporation	SCG	$1.95	$2.00	$2.04	$2.09	$2.13	$2.32	$2.53	$2.76	$3.00	$3.27	$3.56	$3.88	$4.10	$4.34	$4.59	$4.85	$108.75

Multi-Stage Growth Discounted Cash Flow Model - Combined Proxy Group
90 Day Average Stock Price
High EPS Growth Rate Estimate in First Stage

TECO Energy, Inc.	TE		$1.16	$1.14	$1.11	$1.07	$1.03	$1.08	$1.12	$1.17	$1.22	$1.28	$1.34	$1.41	$1.49	$1.57	$1.66	$1.75	$34.51
Vectren Corporation	VVC		$1.81	$1.78	$1.72	$1.65	$1.55	$1.74	$1.95	$2.17	$2.40	$2.65	$2.90	$3.16	$3.34	$3.53	$3.73	$3.95	$83.43

Projected Annual Data
Investor Cash Flows

		[64]	[65]	[66]	[67]	[68]	[69]	[70]	[71]	[72]	[73]	[74]	[75]	[76]	[77]	[78]	[79]	[80]
Company	Ticker	Initial Outflow	4/15/14	12/31/14	6/30/15	6/30/16	6/30/17	6/30/18	6/30/19	6/30/20	6/30/21	6/30/22	6/30/23	6/30/24	6/30/25	6/30/26	6/30/27	6/30/28
American Electric Power Company, Inc.	AEP	($48.45)	$0.00	$1.45	$2.16	$2.25	$2.34	$2.47	$2.61	$2.76	$2.93	$3.11	$3.31	$3.53	$3.73	$3.94	$4.17	$109.43
Cleco Corp.	CNL	($48.20)	$0.00	$1.17	$1.89	$2.07	$2.26	$2.50	$2.76	$3.03	$3.31	$3.61	$3.92	$4.23	$4.47	$4.73	$5.00	$115.76
Duke Energy Corporation	DUK	($69.79)	$0.00	$2.13	$2.90	$2.88	$2.84	$2.98	$3.14	$3.31	$3.51	$3.72	$3.95	$4.22	$4.46	$4.71	$4.98	$154.98
Empire District Electric Company	EDE	($23.23)	$0.00	$0.68	$0.98	$1.00	$1.03	$1.08	$1.13	$1.19	$1.26	$1.33	$1.41	$1.50	$1.59	$1.68	$1.77	$51.83
Great Plains Energy Inc.	GXP	($25.25)	$0.00	$0.58	$0.97	$1.08	$1.19	$1.27	$1.35	$1.43	$1.51	$1.61	$1.70	$1.80	$1.91	$2.02	$2.13	$57.65
Hawaiian Electric Industries, Inc.	HE	($25.45)	$0.00	$1.02	$1.52	$1.59	$1.66	$1.74	$1.82	$1.90	$1.98	$2.07	$2.15	$2.24	$2.37	$2.51	$2.65	$55.91
IDACORP, Inc.	IDA	($53.48)	$0.00	$1.15	$2.01	$2.25	$2.50	$2.64	$2.79	$2.96	$3.14	$3.35	$3.58	$3.83	$4.05	$4.28	$4.52	$122.95
NextEra Energy, Inc.	NEE	($89.87)	$0.00	$1.93	$3.11	$3.39	$3.68	$4.00	$4.33	$4.69	$5.07	$5.46	$5.89	$6.33	$6.69	$7.07	$7.48	$209.54
Otter Tail Corporation	OTTR	($29.45)	$0.00	$0.80	$1.17	$1.21	$1.25	$1.46	$1.69	$1.93	$2.16	$2.40	$2.62	$2.81	$2.97	$3.14	$3.32	$72.65
Pinnacle West Capital Corporation	PNW	($53.65)	$0.00	$1.65	$2.52	$2.66	$2.80	$2.95	$3.12	$3.29	$3.49	$3.70	$3.93	$4.18	$4.41	$4.67	$4.93	$121.39
PNM Resources, Inc.	PNM	($25.19)	$0.00	$0.55	$0.93	$1.05	$1.18	$1.38	$1.59	$1.82	$2.07	$2.31	$2.56	$2.80	$2.96	$3.13	$3.31	$64.95
Portland General Electric Company	POR	($30.80)	$0.00	$1.03	$1.56	$1.65	$1.76	$2.00	$2.26	$2.54	$2.82	$3.10	$3.39	$3.67	$3.88	$4.10	$4.33	$77.19
Southern Company	SO	($41.96)	$0.00	$1.51	$2.19	$2.25	$2.31	$2.37	$2.44	$2.52	$2.61	$2.71	$2.83	$2.96	$3.13	$3.31	$3.50	$90.85
Westar Energy, Inc.	WR	($33.44)	$0.00	$0.92	$1.47	$1.59	$1.73	$1.86	$2.00	$2.16	$2.32	$2.49	$2.68	$2.87	$3.04	$3.21	$3.39	$78.26
Alliant Energy Corporation	LNT	($53.06)	$0.00	$1.52	$2.22	$2.29	$2.37	$2.57	$2.78	$3.00	$3.25	$3.50	$3.78	$4.07	$4.31	$4.55	$4.81	$123.18
Black Hills Corporation	BKH	($54.72)	$0.00	$0.93	$1.55	$1.74	$1.96	$2.29	$2.65	$3.02	$3.41	$3.80	$4.18	$4.54	$4.80	$5.08	$5.36	$135.65
CMS Energy Corporation	CMS	($27.68)	$0.00	$0.72	$1.11	$1.18	$1.26	$1.36	$1.47	$1.59	$1.71	$1.84	$1.98	$2.13	$2.25	$2.38	$2.51	$64.37
DTE Energy Company	DTE	($69.33)	$0.00	$2.03	$2.97	$3.08	$3.20	$3.44	$3.71	$3.98	$4.28	$4.59	$4.92	$5.27	$5.57	$5.89	$6.22	$159.46
SCANA Corporation	SCG	($48.30)	$0.00	$1.42	$2.04	$2.09	$2.13	$2.32	$2.53	$2.76	$3.00	$3.27	$3.56	$3.88	$4.10	$4.34	$4.59	$113.60
TECO Energy, Inc.	TE	($16.85)	$0.00	$0.85	$1.11	$1.07	$1.03	$1.08	$1.12	$1.17	$1.22	$1.28	$1.34	$1.41	$1.49	$1.57	$1.66	$36.26
Vectren Corporation	VVC	($36.84)	$0.00	$1.34	$1.72	$1.65	$1.55	$1.74	$1.95	$2.17	$2.40	$2.65	$2.90	$3.16	$3.34	$3.53	$3.73	$87.37

Multi-Stage Growth Discounted Cash Flow Model - Combined Proxy Group
180 Day Average Stock Price
Average EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term	Payout Ratio			Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	Average	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
American Electric Power Company, Inc.	AEP	$46.69	4.30%	4.23%	4.50%	4.34%	5.70%	64.00%	63.00%	67.05%	($0.00)	10.25%	15.58	2.73
Cleco Corp.	CNL	$47.08	8.00%	8.00%	4.50%	6.83%	5.70%	54.00%	57.00%	67.05%	($0.00)	10.47%	14.87	2.61
Duke Energy Corporation	DUK	$69.39	3.90%	3.92%	4.00%	3.94%	5.70%	76.00%	63.00%	67.05%	($0.00)	9.43%	19.05	3.34
Empire District Electric Company	EDE	$22.71	3.00%	3.00%	4.00%	3.33%	5.70%	68.00%	64.00%	67.05%	($0.00)	9.56%	18.38	3.22
Great Plains Energy Inc.	GXP	$24.16	5.20%	5.17%	6.00%	5.46%	5.70%	55.00%	66.00%	67.05%	$0.00	10.02%	16.42	2.88
Hawaiian Electric Industries, Inc.	HE	$25.58	6.00%	4.20%	3.50%	4.57%	5.70%	78.00%	74.00%	67.05%	($0.00)	10.70%	14.20	2.49
IDACORP, Inc.	IDA	$51.73	4.00%	4.00%	2.00%	3.33%	5.70%	45.00%	61.00%	67.05%	($0.00)	9.91%	16.84	2.95
NextEra Energy, Inc.	NEE	$86.64	6.10%	6.48%	4.50%	5.69%	5.70%	54.00%	59.00%	67.05%	($0.00)	9.76%	17.46	3.06
Otter Tail Corporation	OTTR	$29.04	NA	6.00%	15.00%	10.50%	5.70%	87.00%	59.00%	67.05%	($0.00)	9.74%	17.57	3.08
Pinnacle West Capital Corporation	PNW	$54.52	4.60%	4.13%	4.00%	4.24%	5.70%	62.00%	64.00%	67.05%	$0.00	10.25%	15.59	2.73
PNM Resources, Inc.	PNM	$24.08	7.60%	8.20%	12.00%	9.27%	5.70%	50.00%	51.00%	67.05%	($0.00)	10.95%	13.51	2.37
Portland General Electric Company	POR	$29.98	6.60%	10.89%	3.50%	7.00%	5.70%	66.00%	56.00%	67.05%	($0.00)	10.98%	13.44	2.36
Southern Company	SO	$41.92	3.70%	3.55%	3.50%	3.58%	5.70%	75.00%	72.00%	67.05%	$0.00	10.15%	15.93	2.79
Westar Energy, Inc.	WR	$32.49	4.30%	2.80%	6.00%	4.37%	5.70%	55.00%	60.00%	67.05%	$0.00	10.35%	15.26	2.67
Alliant Energy Corporation	LNT	$52.11	5.50%	5.40%	6.00%	5.63%	5.70%	64.00%	58.00%	67.05%	$0.00	10.22%	15.70	2.75
Black Hills Corporation	BKH	$52.52	4.00%	7.00%	13.00%	8.00%	5.70%	55.00%	54.00%	67.05%	($0.00)	9.11%	20.83	3.65
CMS Energy Corporation	CMS	$27.33	6.00%	6.24%	6.50%	6.25%	5.70%	60.00%	60.00%	67.05%	$0.00	10.23%	15.67	2.75
DTE Energy Company	DTE	$68.58	6.20%	5.21%	5.00%	5.47%	5.70%	67.00%	61.00%	67.05%	$0.00	10.07%	16.25	2.85
SCANA Corporation	SCG	$47.93	4.50%	4.60%	5.00%	4.70%	5.70%	59.00%	53.00%	67.05%	$0.00	10.35%	15.25	2.67
TECO Energy, Inc.	TE	$16.93	5.00%	0.17%	2.00%	2.39%	5.70%	97.00%	71.00%	67.05%	$0.00	10.09%	16.15	2.83
Vectren Corporation	VVC	$35.51	4.70%	4.50%	8.50%	5.90%	5.70%	86.00%	53.00%	67.05%	$0.00	10.02%	16.41	2.88

	DCF Result	Flotation Cost	DCF Result - w/ Flotation Cost
Mean	10.12%	0.14%	10.26%
Max	10.98%	0.14%	11.12%
Min	9.11%	0.14%	9.25%

Projected Annual Earnings per Share

Company	Ticker	[14] 2012	[15] 2013	[16] 2014	[17] 2015	[18] 2016	[19] 2017	[20] 2018	[21] **2019**	[22] 2020	[23] 2021	[24] 2022	[25] 2023	[26] **2024**	[27] 2025	[28] 2026	[29] 2027	[30] 2028
American Electric Power Company, Inc.	AEP	$2.98	$3.11	$3.24	$3.39	$3.53	$3.69	$3.85	$4.02	$4.21	$4.43	$4.66	$4.91	$5.19	$5.49	$5.80	$6.14	$6.49
Cleco Corp.	CNL	$2.70	$2.88	$3.08	$3.29	$3.52	$3.76	$4.01	$4.28	$4.56	$4.84	$5.14	$5.44	$5.75	$6.08	$6.43	$6.79	$7.18
Duke Energy Corporation	DUK	$3.71	$3.86	$4.01	$4.17	$4.33	$4.50	$4.68	$4.88	$5.10	$5.34	$5.62	$5.92	$6.26	$6.61	$6.99	$7.39	$7.81
Empire District Electric Company	EDE	$1.32	$1.36	$1.41	$1.46	$1.50	$1.56	$1.61	$1.67	$1.74	$1.81	$1.90	$2.00	$2.12	$2.24	$2.37	$2.50	$2.65
Great Plains Energy Inc.	GXP	$1.35	$1.42	$1.50	$1.58	$1.67	$1.76	$1.86	$1.96	$2.07	$2.18	$2.31	$2.44	$2.58	$2.72	$2.88	$3.04	$3.21
Hawaiian Electric Industries, Inc.	HE	$1.68	$1.76	$1.84	$1.92	$2.01	$2.10	$2.20	$2.30	$2.41	$2.54	$2.67	$2.82	$2.98	$3.15	$3.33	$3.52	$3.72
IDACORP, Inc.	IDA	$3.37	$3.48	$3.60	$3.72	$3.84	$3.97	$4.10	$4.26	$4.43	$4.63	$4.86	$5.12	$5.41	$5.72	$6.04	$6.39	$6.75
NextEra Energy, Inc.	NEE	$4.56	$4.82	$5.09	$5.38	$5.69	$6.01	$6.36	$6.72	$7.10	$7.51	$7.93	$8.39	$8.87	$9.37	$9.91	$10.47	$11.07
Otter Tail Corporation	OTTR	$1.05	$1.16	$1.28	$1.42	$1.57	$1.73	$1.91	$2.10	$2.28	$2.47	$2.65	$2.82	$2.98	$3.15	$3.33	$3.52	$3.72
Pinnacle West Capital Corporation	PNW	$3.50	$3.65	$3.80	$3.96	$4.13	$4.31	$4.49	$4.69	$4.91	$5.16	$5.43	$5.72	$6.05	$6.40	$6.76	$7.15	$7.55
PNM Resources, Inc.	PNM	$1.31	$1.43	$1.56	$1.71	$1.87	$2.04	$2.23	$2.42	$2.62	$2.81	$3.01	$3.20	$3.38	$3.57	$3.78	$3.99	$4.22
Portland General Electric Company	POR	$1.87	$2.00	$2.14	$2.29	$2.45	$2.62	$2.81	$3.00	$3.19	$3.40	$3.60	$3.82	$4.04	$4.27	$4.51	$4.77	$5.04
Southern Company	SO	$2.67	$2.77	$2.86	$2.97	$3.07	$3.18	$3.30	$3.43	$3.57	$3.74	$3.93	$4.14	$4.37	$4.62	$4.89	$5.17	$5.46
Westar Energy, Inc.	WR	$2.15	$2.24	$2.34	$2.44	$2.55	$2.66	$2.78	$2.91	$3.05	$3.20	$3.37	$3.55	$3.75	$3.97	$4.20	$4.43	$4.69
Alliant Energy Corporation	LNT	$3.05	$3.22	$3.40	$3.60	$3.80	$4.01	$4.24	$4.48	$4.73	$5.00	$5.28	$5.58	$5.90	$6.24	$6.59	$6.97	$7.37
Black Hills Corporation	BKH	$1.97	$2.13	$2.30	$2.48	$2.68	$2.89	$3.13	$3.36	$3.61	$3.85	$4.10	$4.35	$4.60	$4.87	$5.14	$5.44	$5.75
CMS Energy Corporation	CMS	$1.53	$1.63	$1.73	$1.84	$1.95	$2.07	$2.20	$2.34	$2.48	$2.63	$2.78	$2.94	$3.11	$3.29	$3.47	$3.67	$3.88
DTE Energy Company	DTE	$3.88	$4.09	$4.32	$4.55	$4.80	$5.06	$5.34	$5.64	$5.95	$6.28	$6.63	$7.01	$7.41	$7.83	$8.28	$8.75	$9.25
SCANA Corporation	SCG	$3.15	$3.30	$3.45	$3.62	$3.79	$3.96	$4.15	$4.35	$4.57	$4.81	$5.07	$5.35	$5.65	$5.97	$6.32	$6.68	$7.06
TECO Energy, Inc.	TE	$1.14	$1.17	$1.20	$1.22	$1.25	$1.28	$1.31	$1.35	$1.40	$1.46	$1.52	$1.60	$1.69	$1.79	$1.89	$2.00	$2.11
Vectren Corporation	VVC	$1.94	$2.05	$2.18	$2.30	$2.44	$2.58	$2.74	$2.90	$3.07	$3.24	$3.43	$3.63	$3.83	$4.05	$4.28	$4.53	$4.79

Projected Annual Dividend Payout Ratio

Company	Ticker	[31] 2013	[32] 2014	[33] 2015	[34] 2016	[35] 2017	[36] 2018	[37] 2019	[38] 2020	[39] 2021	[40] 2022	[41] 2023	[42] 2024	[43] 2025	[44] 2026	[45] 2027	[46] 2028
American Electric Power Company, Inc.	AEP	64.00%	63.75%	63.50%	63.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Cleco Corp.	CNL	54.00%	54.75%	55.50%	56.25%	57.00%	58.44%	59.87%	61.31%	62.74%	64.18%	65.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Duke Energy Corporation	DUK	76.00%	72.75%	69.50%	66.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Empire District Electric Company	EDE	68.00%	67.00%	66.00%	65.00%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Great Plains Energy Inc.	GXP	55.00%	57.75%	60.50%	63.25%	66.00%	66.15%	66.30%	66.45%	66.60%	66.75%	66.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Hawaiian Electric Industries, Inc.	HE	78.00%	77.00%	76.00%	75.00%	74.00%	73.01%	72.01%	71.02%	70.03%	69.03%	68.04%	67.05%	67.05%	67.05%	67.05%	67.05%
IDACORP, Inc.	IDA	45.00%	49.00%	53.00%	57.00%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
NextEra Energy, Inc.	NEE	54.00%	55.25%	56.50%	57.75%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Otter Tail Corporation	OTTR	87.00%	80.00%	73.00%	66.00%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Pinnacle West Capital Corporation	PNW	62.00%	62.50%	63.00%	63.50%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
PNM Resources, Inc.	PNM	50.00%	50.25%	50.50%	50.75%	51.00%	53.29%	55.58%	57.88%	60.17%	62.46%	64.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Portland General Electric Company	POR	66.00%	63.50%	61.00%	58.50%	56.00%	57.58%	59.16%	60.73%	62.31%	63.89%	65.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Southern Company	SO	75.00%	74.25%	73.50%	72.75%	72.00%	71.29%	70.58%	69.88%	69.17%	68.46%	67.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Westar Energy, Inc.	WR	55.00%	56.25%	57.50%	58.75%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
Alliant Energy Corporation	LNT	64.00%	62.50%	61.00%	59.50%	58.00%	59.29%	60.58%	61.88%	63.17%	64.46%	65.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Black Hills Corporation	BKH	55.00%	54.75%	54.50%	54.25%	54.00%	55.86%	57.73%	59.59%	61.45%	63.32%	65.18%	67.05%	67.05%	67.05%	67.05%	67.05%
CMS Energy Corporation	CMS	60.00%	60.00%	60.00%	60.00%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
DTE Energy Company	DTE	67.00%	65.50%	64.00%	62.50%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
SCANA Corporation	SCG	59.00%	57.50%	56.00%	54.50%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%
TECO Energy, Inc.	TE	97.00%	90.50%	84.00%	77.50%	71.00%	70.44%	69.87%	69.31%	68.74%	68.18%	67.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Vectren Corporation	VVC	86.00%	77.75%	69.50%	61.25%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual Cash Flows

Company	Ticker	[47] 2013	[48] 2014	[49] 2015	[50] 2016	[51] 2017	[52] 2018	[53] 2019	[54] 2020	[55] 2021	[56] 2022	[57] 2023	[58] 2024	[59] 2025	[60] 2026	[61] 2027	[62] 2028	[63] Terminal Value
American Electric Power Company, Inc.	AEP	$1.99	$2.07	$2.15	$2.23	$2.32	$2.45	$2.58	$2.73	$2.89	$3.07	$3.27	$3.48	$3.68	$3.89	$4.11	$4.35	$101.05
Cleco Corp.	CNL	$1.56	$1.69	$1.83	$1.98	$2.14	$2.35	$2.56	$2.79	$3.04	$3.30	$3.57	$3.86	$4.08	$4.31	$4.55	$4.81	$106.77
Duke Energy Corporation	DUK	$2.93	$2.92	$2.90	$2.87	$2.84	$2.97	$3.13	$3.30	$3.49	$3.70	$3.93	$4.20	$4.43	$4.69	$4.96	$5.24	$148.80
Empire District Electric Company	EDE	$0.93	$0.94	$0.96	$0.98	$1.00	$1.04	$1.08	$1.13	$1.19	$1.26	$1.34	$1.42	$1.50	$1.59	$1.68	$1.77	$48.60
Great Plains Energy Inc.	GXP	$0.78	$0.87	$0.96	$1.06	$1.16	$1.23	$1.30	$1.37	$1.45	$1.54	$1.63	$1.73	$1.82	$1.93	$2.04	$2.16	$52.78
Hawaiian Electric Industries, Inc.	HE	$1.37	$1.41	$1.46	$1.51	$1.55	$1.60	$1.66	$1.71	$1.78	$1.85	$1.92	$2.00	$2.11	$2.23	$2.36	$2.50	$52.86
IDACORP, Inc.	IDA	$1.57	$1.76	$1.97	$2.19	$2.42	$2.54	$2.67	$2.82	$2.99	$3.17	$3.39	$3.63	$3.83	$4.05	$4.28	$4.53	$113.73
NextEra Energy, Inc.	NEE	$2.60	$2.81	$3.04	$3.29	$3.55	$3.82	$4.12	$4.43	$4.77	$5.14	$5.53	$5.94	$6.28	$6.64	$7.02	$7.42	$193.28
Otter Tail Corporation	OTTR	$1.01	$1.03	$1.03	$1.03	$1.02	$1.15	$1.29	$1.43	$1.57	$1.72	$1.86	$2.00	$2.11	$2.23	$2.36	$2.50	$65.42
Pinnacle West Capital Corporation	PNW	$2.26	$2.38	$2.50	$2.62	$2.76	$2.89	$3.04	$3.21	$3.39	$3.59	$3.81	$4.06	$4.29	$4.53	$4.79	$5.07	$117.76
PNM Resources, Inc.	PNM	$0.72	$0.79	$0.86	$0.95	$1.04	$1.19	$1.35	$1.52	$1.69	$1.88	$2.07	$2.27	$2.40	$2.53	$2.68	$2.83	$57.02
Portland General Electric Company	POR	$1.32	$1.36	$1.40	$1.43	$1.47	$1.62	$1.77	$1.94	$2.12	$2.30	$2.50	$2.71	$2.86	$3.02	$3.20	$3.38	$67.70
Southern Company	SO	$2.07	$2.13	$2.18	$2.24	$2.29	$2.35	$2.42	$2.50	$2.59	$2.69	$2.80	$2.93	$3.10	$3.28	$3.46	$3.66	$87.01
Westar Energy, Inc.	WR	$1.23	$1.32	$1.41	$1.50	$1.60	$1.70	$1.80	$1.92	$2.05	$2.19	$2.35	$2.52	$2.66	$2.81	$2.97	$3.14	$71.53
Alliant Energy Corporation	LNT	$2.06	$2.13	$2.19	$2.26	$2.33	$2.51	$2.71	$2.93	$3.16	$3.40	$3.67	$3.96	$4.18	$4.42	$4.67	$4.94	$115.64
Black Hills Corporation	BKH	$1.17	$1.26	$1.35	$1.45	$1.56	$1.75	$1.94	$2.15	$2.37	$2.60	$2.84	$3.09	$3.26	$3.45	$3.64	$3.85	$119.68
CMS Energy Corporation	CMS	$0.98	$1.04	$1.10	$1.17	$1.24	$1.34	$1.45	$1.56	$1.68	$1.81	$1.94	$2.08	$2.20	$2.33	$2.46	$2.60	$60.82
DTE Energy Company	DTE	$2.74	$2.83	$2.91	$3.00	$3.09	$3.30	$3.53	$3.78	$4.05	$4.33	$4.64	$4.97	$5.25	$5.55	$5.87	$6.20	$150.34
SCANA Corporation	SCG	$1.95	$1.99	$2.02	$2.06	$2.10	$2.28	$2.48	$2.70	$2.93	$3.19	$3.48	$3.79	$4.01	$4.23	$4.48	$4.73	$107.64

Multi-Stage Growth Discounted Cash Flow Model - Combined Proxy Group
180 Day Average Stock Price
Average EPS Growth Rate Estimate in First Stage

TECO Energy, Inc.	TE		$1.13	$1.08	$1.03	$0.97	$0.91	$0.93	$0.94	$0.97	$1.00	$1.04	$1.08	$1.14	$1.20	$1.27	$1.34	$1.42	$34.13
Vectren Corporation	VVC		$1.77	$1.69	$1.60	$1.49	$1.37	$1.51	$1.65	$1.81	$1.98	$2.16	$2.36	$2.57	$2.72	$2.87	$3.04	$3.21	$78.59

Projected Annual Data
Investor Cash Flows

		[64]	[65]	[66]	[67]	[68]	[69]	[70]	[71]	[72]	[73]	[74]	[75]	[76]	[77]	[78]	[79]	[80]
Company	Ticker	Initial Outflow	4/15/14	12/31/14	6/30/15	6/30/16	6/30/17	6/30/18	6/30/19	6/30/20	6/30/21	6/30/22	6/30/23	6/30/24	6/30/25	6/30/26	6/30/27	6/30/28
American Electric Power Company, Inc.	AEP	($46.69)	$0.00	$1.45	$2.15	$2.23	$2.32	$2.45	$2.58	$2.73	$2.89	$3.07	$3.27	$3.48	$3.68	$3.89	$4.11	$105.40
Cleco Corp.	CNL	($47.08)	$0.00	$1.15	$1.83	$1.98	$2.14	$2.35	$2.56	$2.79	$3.04	$3.30	$3.57	$3.86	$4.08	$4.31	$4.55	$111.59
Duke Energy Corporation	DUK	($69.39)	$0.00	$2.13	$2.90	$2.87	$2.84	$2.97	$3.13	$3.30	$3.49	$3.70	$3.93	$4.20	$4.43	$4.69	$4.96	$154.03
Empire District Electric Company	EDE	($22.71)	$0.00	$0.67	$0.96	$0.98	$1.00	$1.04	$1.08	$1.13	$1.19	$1.26	$1.34	$1.42	$1.50	$1.59	$1.68	$50.38
Great Plains Energy Inc.	GXP	($24.16)	$0.00	$0.57	$0.96	$1.06	$1.16	$1.23	$1.30	$1.37	$1.45	$1.54	$1.63	$1.73	$1.82	$1.93	$2.04	$54.93
Hawaiian Electric Industries, Inc.	HE	($25.58)	$0.00	$1.00	$1.46	$1.51	$1.55	$1.60	$1.66	$1.71	$1.78	$1.85	$1.92	$2.00	$2.11	$2.23	$2.36	$55.36
IDACORP, Inc.	IDA	($51.73)	$0.00	$1.13	$1.97	$2.19	$2.42	$2.54	$2.67	$2.82	$2.99	$3.17	$3.39	$3.63	$3.83	$4.05	$4.28	$118.26
NextEra Energy, Inc.	NEE	($86.64)	$0.00	$1.91	$3.04	$3.29	$3.55	$3.82	$4.12	$4.43	$4.77	$5.14	$5.53	$5.94	$6.28	$6.64	$7.02	$200.71
Otter Tail Corporation	OTTR	($29.04)	$0.00	$0.76	$1.03	$1.03	$1.02	$1.15	$1.29	$1.43	$1.57	$1.72	$1.86	$2.00	$2.11	$2.23	$2.36	$67.91
Pinnacle West Capital Corporation	PNW	($54.52)	$0.00	$1.65	$2.50	$2.62	$2.76	$2.89	$3.04	$3.21	$3.39	$3.59	$3.81	$4.06	$4.29	$4.53	$4.79	$122.83
PNM Resources, Inc.	PNM	($24.08)	$0.00	$0.53	$0.86	$0.95	$1.04	$1.19	$1.35	$1.52	$1.69	$1.88	$2.07	$2.27	$2.40	$2.53	$2.68	$59.85
Portland General Electric Company	POR	($29.98)	$0.00	$0.97	$1.40	$1.43	$1.47	$1.62	$1.77	$1.94	$2.12	$2.30	$2.50	$2.71	$2.86	$3.02	$3.20	$71.07
Southern Company	SO	($41.92)	$0.00	$1.50	$2.18	$2.24	$2.29	$2.35	$2.42	$2.50	$2.59	$2.69	$2.80	$2.93	$3.10	$3.28	$3.46	$90.67
Westar Energy, Inc.	WR	($32.49)	$0.00	$0.90	$1.41	$1.50	$1.60	$1.70	$1.80	$1.92	$2.05	$2.19	$2.35	$2.52	$2.66	$2.81	$2.97	$74.67
Alliant Energy Corporation	LNT	($52.11)	$0.00	$1.51	$2.19	$2.26	$2.33	$2.51	$2.71	$2.93	$3.16	$3.40	$3.67	$3.96	$4.18	$4.42	$4.67	$120.58
Black Hills Corporation	BKH	($52.52)	$0.00	$0.87	$1.35	$1.45	$1.56	$1.75	$1.94	$2.15	$2.37	$2.60	$2.84	$3.09	$3.26	$3.45	$3.64	$123.53
CMS Energy Corporation	CMS	($27.33)	$0.00	$0.72	$1.10	$1.17	$1.24	$1.34	$1.45	$1.56	$1.68	$1.81	$1.94	$2.08	$2.20	$2.33	$2.46	$63.42
DTE Energy Company	DTE	($68.58)	$0.00	$2.01	$2.91	$3.00	$3.09	$3.30	$3.53	$3.78	$4.05	$4.33	$4.64	$4.97	$5.25	$5.55	$5.87	$156.54
SCANA Corporation	SCG	($47.93)	$0.00	$1.42	$2.02	$2.06	$2.10	$2.28	$2.48	$2.70	$2.93	$3.19	$3.48	$3.79	$4.01	$4.23	$4.48	$112.37
TECO Energy, Inc.	TE	($16.93)	$0.00	$0.82	$1.03	$0.97	$0.91	$0.93	$0.94	$0.97	$1.00	$1.04	$1.08	$1.14	$1.20	$1.27	$1.34	$35.55
Vectren Corporation	VVC	($35.51)	$0.00	$1.30	$1.60	$1.49	$1.37	$1.51	$1.65	$1.81	$1.98	$2.16	$2.36	$2.57	$2.72	$2.87	$3.04	$81.80

Multi-Stage Growth Discounted Cash Flow Model - Combined Proxy Group
180 Day Average Stock Price
Low EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term	Payout Ratio			Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	Low Growth	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
American Electric Power Company, Inc.	AEP	$46.69	4.30%	4.23%	4.50%	4.23%	5.70%	64.00%	63.00%	67.05%	($0.00)	10.22%	15.71	2.75
Cleco Corp.	CNL	$47.08	8.00%	8.00%	4.50%	4.50%	5.70%	54.00%	57.00%	67.05%	($0.00)	9.73%	17.59	3.08
Duke Energy Corporation	DUK	$69.39	3.90%	3.92%	4.00%	3.90%	5.70%	76.00%	63.00%	67.05%	$0.00	9.41%	19.10	3.35
Empire District Electric Company	EDE	$22.71	3.00%	3.00%	4.00%	3.00%	5.70%	68.00%	64.00%	67.05%	$0.00	9.46%	18.85	3.30
Great Plains Energy Inc.	GXP	$24.16	5.20%	5.17%	6.00%	5.17%	5.70%	55.00%	66.00%	67.05%	($0.00)	9.93%	16.77	2.94
Hawaiian Electric Industries, Inc.	HE	$25.58	6.00%	4.20%	3.50%	3.50%	5.70%	78.00%	74.00%	67.05%	($0.00)	10.31%	15.39	2.70
IDACORP, Inc.	IDA	$51.73	4.00%	4.00%	2.00%	2.00%	5.70%	45.00%	61.00%	67.05%	$0.00	9.51%	18.63	3.27
NextEra Energy, Inc.	NEE	$86.64	6.10%	6.48%	4.50%	4.50%	5.70%	54.00%	59.00%	67.05%	$0.00	9.42%	19.06	3.34
Otter Tail Corporation	OTTR	$29.04	NA	6.00%	15.00%	6.00%	5.70%	87.00%	59.00%	67.05%	$0.00	8.62%	24.31	4.26
Pinnacle West Capital Corporation	PNW	$54.52	4.60%	4.13%	4.00%	4.00%	5.70%	62.00%	64.00%	67.05%	($0.00)	10.17%	15.87	2.78
PNM Resources, Inc.	PNM	$24.08	7.60%	8.20%	12.00%	7.60%	5.70%	50.00%	51.00%	67.05%	($0.00)	10.39%	15.13	2.65
Portland General Electric Company	POR	$29.98	6.60%	10.89%	3.50%	3.50%	5.70%	66.00%	56.00%	67.05%	($0.00)	9.80%	17.29	3.03
Southern Company	SO	$41.92	3.70%	3.55%	3.50%	3.50%	5.70%	75.00%	72.00%	67.05%	($0.00)	10.12%	16.03	2.81
Westar Energy, Inc.	WR	$32.49	4.30%	2.80%	6.00%	2.80%	5.70%	55.00%	60.00%	67.05%	($0.00)	9.84%	17.14	3.00
Alliant Energy Corporation	LNT	$52.11	5.50%	5.40%	6.00%	5.40%	5.70%	64.00%	58.00%	67.05%	($0.00)	10.14%	15.96	2.80
Black Hills Corporation	BKH	$52.52	4.00%	7.00%	13.00%	4.00%	5.70%	55.00%	54.00%	67.05%	$0.00	8.24%	28.00	4.91
CMS Energy Corporation	CMS	$27.33	6.00%	6.24%	6.50%	6.00%	5.70%	60.00%	60.00%	67.05%	($0.00)	10.15%	15.95	2.80
DTE Energy Company	DTE	$68.58	6.20%	5.21%	5.00%	5.00%	5.70%	67.00%	61.00%	67.05%	($0.00)	9.92%	16.82	2.95
SCANA Corporation	SCG	$47.93	4.50%	4.60%	5.00%	4.50%	5.70%	59.00%	53.00%	67.05%	($0.00)	10.28%	15.48	2.71
TECO Energy, Inc.	TE	$16.93	5.00%	0.17%	2.00%	0.17%	5.70%	97.00%	71.00%	67.05%	$0.00	9.39%	19.25	3.37
Vectren Corporation	VVC	$35.51	4.70%	4.50%	8.50%	4.50%	5.70%	86.00%	53.00%	67.05%	$0.00	9.60%	18.18	3.19

	DCF Result	Flotation Cost	DCF Result - w/ Flotation Cost
Mean	9.75%	0.14%	9.88%
Max	10.39%	0.14%	10.53%
Min	8.24%	0.14%	8.37%

Projected Annual Earnings per Share

Company	Ticker	[14] 2012	[15] 2013	[16] 2014	[17] 2015	[18] 2016	[19] 2017	[20] 2018	[21] **2019**	[22] 2020	[23] 2021	[24] 2022	[25] 2023	[26] **2024**	[27] 2025	[28] 2026	[29] 2027	[30] 2028
American Electric Power Company, Inc.	AEP	$2.98	$3.11	$3.24	$3.37	$3.52	$3.67	$3.82	$3.99	$4.18	$4.39	$4.62	$4.87	$5.15	$5.44	$5.75	$6.08	$6.43
Cleco Corp.	CNL	$2.70	$2.82	$2.95	$3.08	$3.22	$3.36	$3.52	$3.68	$3.86	$4.06	$4.27	$4.51	$4.77	$5.04	$5.33	$5.63	$5.95
Duke Energy Corporation	DUK	$3.71	$3.85	$4.01	$4.16	$4.32	$4.49	$4.67	$4.86	$5.08	$5.33	$5.60	$5.90	$6.24	$6.59	$6.97	$7.37	$7.79
Empire District Electric Company	EDE	$1.32	$1.36	$1.40	$1.44	$1.49	$1.53	$1.58	$1.63	$1.69	$1.77	$1.85	$1.95	$2.06	$2.18	$2.30	$2.43	$2.57
Great Plains Energy Inc.	GXP	$1.35	$1.42	$1.49	$1.57	$1.65	$1.74	$1.83	$1.92	$2.03	$2.14	$2.25	$2.38	$2.52	$2.66	$2.81	$2.97	$3.14
Hawaiian Electric Industries, Inc.	HE	$1.68	$1.74	$1.80	$1.86	$1.93	$2.00	$2.07	$2.15	$2.24	$2.34	$2.45	$2.59	$2.73	$2.89	$3.05	$3.23	$3.41
IDACORP, Inc.	IDA	$3.37	$3.44	$3.51	$3.58	$3.65	$3.72	$3.80	$3.89	$4.02	$4.18	$4.36	$4.58	$4.85	$5.12	$5.41	$5.72	$6.05
NextEra Energy, Inc.	NEE	$4.56	$4.77	$4.98	$5.20	$5.44	$5.68	$5.94	$6.22	$6.52	$6.85	$7.22	$7.62	$8.05	$8.51	$8.99	$9.51	$10.05
Otter Tail Corporation	OTTR	$1.05	$1.11	$1.18	$1.25	$1.33	$1.41	$1.49	$1.58	$1.67	$1.77	$1.87	$1.98	$2.09	$2.21	$2.34	$2.47	$2.61
Pinnacle West Capital Corporation	PNW	$3.50	$3.64	$3.79	$3.94	$4.09	$4.26	$4.43	$4.62	$4.83	$5.06	$5.32	$5.61	$5.93	$6.27	$6.63	$7.01	$7.41
PNM Resources, Inc.	PNM	$1.31	$1.41	$1.52	$1.63	$1.76	$1.89	$2.03	$2.18	$2.33	$2.49	$2.65	$2.81	$2.97	$3.13	$3.31	$3.50	$3.70
Portland General Electric Company	POR	$1.87	$1.94	$2.00	$2.07	$2.15	$2.22	$2.30	$2.39	$2.49	$2.60	$2.73	$2.88	$3.04	$3.22	$3.40	$3.59	$3.80
Southern Company	SO	$2.67	$2.76	$2.86	$2.96	$3.06	$3.17	$3.28	$3.41	$3.55	$3.72	$3.90	$4.11	$4.34	$4.59	$4.85	$5.13	$5.42
Westar Energy, Inc.	WR	$2.15	$2.21	$2.27	$2.34	$2.40	$2.47	$2.54	$2.62	$2.72	$2.84	$2.97	$3.12	$3.30	$3.49	$3.69	$3.90	$4.12
Alliant Energy Corporation	LNT	$3.05	$3.21	$3.39	$3.57	$3.76	$3.97	$4.18	$4.41	$4.65	$4.91	$5.19	$5.48	$5.79	$6.12	$6.47	$6.84	$7.23
Black Hills Corporation	BKH	$1.97	$2.05	$2.13	$2.22	$2.30	$2.40	$2.49	$2.60	$2.72	$2.85	$3.00	$3.16	$3.34	$3.53	$3.73	$3.94	$4.17
CMS Energy Corporation	CMS	$1.53	$1.62	$1.72	$1.82	$1.93	$2.05	$2.17	$2.30	$2.44	$2.58	$2.73	$2.88	$3.05	$3.22	$3.41	$3.60	$3.81
DTE Energy Company	DTE	$3.88	$4.07	$4.28	$4.49	$4.72	$4.95	$5.20	$5.47	$5.75	$6.06	$6.39	$6.75	$7.13	$7.54	$7.97	$8.42	$8.91
SCANA Corporation	SCG	$3.15	$3.29	$3.44	$3.59	$3.76	$3.93	$4.10	$4.29	$4.51	$4.74	$4.99	$5.26	$5.56	$5.88	$6.21	$6.57	$6.94
TECO Energy, Inc.	TE	$1.14	$1.14	$1.14	$1.15	$1.15	$1.15	$1.15	$1.16	$1.19	$1.22	$1.27	$1.33	$1.41	$1.49	$1.57	$1.66	$1.76
Vectren Corporation	VVC	$1.94	$2.03	$2.12	$2.21	$2.31	$2.42	$2.53	$2.65	$2.77	$2.92	$3.07	$3.24	$3.42	$3.62	$3.83	$4.05	$4.28

Projected Annual Dividend Payout Ratio

Company	Ticker	[31] 2013	[32] 2014	[33] 2015	[34] 2016	[35] 2017	[36] 2018	[37] 2019	[38] 2020	[39] 2021	[40] 2022	[41] 2023	[42] 2024	[43] 2025	[44] 2026	[45] 2027	[46] 2028
American Electric Power Company, Inc.	AEP	64.00%	63.75%	63.50%	63.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Cleco Corp.	CNL	54.00%	54.75%	55.50%	56.25%	57.00%	58.44%	59.87%	61.31%	62.74%	64.18%	65.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Duke Energy Corporation	DUK	76.00%	72.75%	69.50%	66.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Empire District Electric Company	EDE	68.00%	67.00%	66.00%	65.00%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Great Plains Energy Inc.	GXP	55.00%	57.75%	60.50%	63.25%	66.00%	66.15%	66.30%	66.45%	66.60%	66.75%	66.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Hawaiian Electric Industries, Inc.	HE	78.00%	77.00%	76.00%	75.00%	74.00%	73.01%	72.01%	71.02%	70.03%	69.03%	68.04%	67.05%	67.05%	67.05%	67.05%	67.05%
IDACORP, Inc.	IDA	45.00%	49.00%	53.00%	57.00%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
NextEra Energy, Inc.	NEE	54.00%	55.25%	56.50%	57.75%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Otter Tail Corporation	OTTR	87.00%	80.00%	73.00%	66.00%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Pinnacle West Capital Corporation	PNW	62.00%	62.50%	63.00%	63.50%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
PNM Resources, Inc.	PNM	50.00%	50.25%	50.50%	50.75%	51.00%	53.29%	55.58%	57.88%	60.17%	62.46%	64.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Portland General Electric Company	POR	66.00%	63.50%	61.00%	58.50%	56.00%	57.58%	59.16%	60.73%	62.31%	63.89%	65.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Southern Company	SO	75.00%	74.25%	73.50%	72.75%	72.00%	71.29%	70.58%	69.88%	69.17%	68.46%	67.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Westar Energy, Inc.	WR	55.00%	56.25%	57.50%	58.75%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
Alliant Energy Corporation	LNT	64.00%	62.50%	61.00%	59.50%	58.00%	59.29%	60.58%	61.88%	63.17%	64.46%	65.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Black Hills Corporation	BKH	55.00%	54.75%	54.50%	54.25%	54.00%	55.86%	57.73%	59.59%	61.45%	63.32%	65.18%	67.05%	67.05%	67.05%	67.05%	67.05%
CMS Energy Corporation	CMS	60.00%	60.00%	60.00%	60.00%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
DTE Energy Company	DTE	67.00%	65.50%	64.00%	62.50%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
SCANA Corporation	SCG	59.00%	57.50%	56.00%	54.50%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%
TECO Energy, Inc.	TE	97.00%	90.50%	84.00%	77.50%	71.00%	70.44%	69.87%	69.31%	68.74%	68.18%	67.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Vectren Corporation	VVC	86.00%	77.75%	69.50%	61.25%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual Cash Flows

Company	Ticker	[47] 2013	[48] 2014	[49] 2015	[50] 2016	[51] 2017	[52] 2018	[53] 2019	[54] 2020	[55] 2021	[56] 2022	[57] 2023	[58] 2024	[59] 2025	[60] 2026	[61] 2027	[62] 2028	[63] Terminal Value
American Electric Power Company, Inc.	AEP	$1.99	$2.06	$2.14	$2.22	$2.31	$2.43	$2.56	$2.71	$2.87	$3.04	$3.24	$3.45	$3.65	$3.86	$4.08	$4.31	$100.96
Cleco Corp.	CNL	$1.52	$1.61	$1.71	$1.81	$1.92	$2.05	$2.20	$2.37	$2.55	$2.74	$2.96	$3.20	$3.38	$3.57	$3.77	$3.99	$104.69
Duke Energy Corporation	DUK	$2.93	$2.91	$2.89	$2.86	$2.83	$2.97	$3.12	$3.29	$3.48	$3.69	$3.92	$4.18	$4.42	$4.67	$4.94	$5.22	$148.76
Empire District Electric Company	EDE	$0.92	$0.94	$0.95	$0.97	$0.98	$1.02	$1.06	$1.11	$1.16	$1.23	$1.30	$1.38	$1.46	$1.54	$1.63	$1.73	$48.51
Great Plains Energy Inc.	GXP	$0.78	$0.86	$0.95	$1.04	$1.15	$1.21	$1.27	$1.35	$1.42	$1.50	$1.59	$1.69	$1.78	$1.89	$1.99	$2.11	$52.67
Hawaiian Electric Industries, Inc.	HE	$1.36	$1.39	$1.42	$1.45	$1.48	$1.51	$1.54	$1.59	$1.64	$1.69	$1.76	$1.83	$1.94	$2.05	$2.16	$2.29	$52.52
IDACORP, Inc.	IDA	$1.55	$1.72	$1.90	$2.08	$2.27	$2.35	$2.44	$2.56	$2.69	$2.85	$3.03	$3.25	$3.43	$3.63	$3.84	$4.06	$112.68
NextEra Energy, Inc.	NEE	$2.57	$2.75	$2.94	$3.14	$3.35	$3.57	$3.81	$4.07	$4.36	$4.67	$5.02	$5.40	$5.71	$6.03	$6.37	$6.74	$191.61
Otter Tail Corporation	OTTR	$0.97	$0.94	$0.91	$0.87	$0.83	$0.90	$0.97	$1.04	$1.13	$1.21	$1.30	$1.40	$1.48	$1.57	$1.66	$1.75	$63.50
Pinnacle West Capital Corporation	PNW	$2.26	$2.37	$2.48	$2.60	$2.73	$2.85	$3.00	$3.15	$3.33	$3.52	$3.74	$3.98	$4.20	$4.44	$4.70	$4.97	$117.55
PNM Resources, Inc.	PNM	$0.70	$0.76	$0.82	$0.89	$0.96	$1.08	$1.21	$1.35	$1.50	$1.65	$1.82	$1.99	$2.10	$2.22	$2.35	$2.48	$56.03
Portland General Electric Company	POR	$1.28	$1.27	$1.26	$1.26	$1.24	$1.32	$1.41	$1.51	$1.62	$1.75	$1.88	$2.04	$2.16	$2.28	$2.41	$2.55	$65.66
Southern Company	SO	$2.07	$2.12	$2.18	$2.23	$2.28	$2.34	$2.41	$2.48	$2.57	$2.67	$2.78	$2.91	$3.08	$3.25	$3.44	$3.64	$86.96
Westar Energy, Inc.	WR	$1.22	$1.28	$1.34	$1.41	$1.48	$1.55	$1.63	$1.71	$1.82	$1.93	$2.06	$2.21	$2.34	$2.47	$2.62	$2.76	$70.67
Alliant Energy Corporation	LNT	$2.06	$2.12	$2.18	$2.24	$2.30	$2.48	$2.67	$2.88	$3.10	$3.34	$3.60	$3.88	$4.10	$4.34	$4.59	$4.85	$115.41
Black Hills Corporation	BKH	$1.13	$1.17	$1.21	$1.25	$1.29	$1.39	$1.50	$1.62	$1.75	$1.90	$2.06	$2.24	$2.37	$2.50	$2.64	$2.80	$116.72
CMS Energy Corporation	CMS	$0.97	$1.03	$1.09	$1.16	$1.23	$1.32	$1.43	$1.53	$1.65	$1.77	$1.90	$2.04	$2.16	$2.28	$2.41	$2.55	$60.70
DTE Energy Company	DTE	$2.73	$2.80	$2.87	$2.95	$3.02	$3.22	$3.43	$3.66	$3.91	$4.17	$4.47	$4.78	$5.06	$5.34	$5.65	$5.97	$149.81
SCANA Corporation	SCG	$1.94	$1.98	$2.01	$2.05	$2.08	$2.26	$2.45	$2.66	$2.89	$3.14	$3.42	$3.73	$3.94	$4.17	$4.40	$4.65	$107.45

Multi-Stage Growth Discounted Cash Flow Model - Combined Proxy Group
180 Day Average Stock Price
Low EPS Growth Rate Estimate in First Stage

TECO Energy, Inc.	TE		$1.11	$1.04	$0.96	$0.89	$0.82	$0.81	$0.81	$0.82	$0.84	$0.87	$0.90	$0.94	$1.00	$1.05	$1.11	$1.18	$33.80
Vectren Corporation	VVC		$1.74	$1.65	$1.54	$1.42	$1.28	$1.39	$1.51	$1.64	$1.78	$1.94	$2.11	$2.30	$2.43	$2.57	$2.71	$2.87	$77.73

Projected Annual Data
Investor Cash Flows

		[64]	[65]	[66]	[67]	[68]	[69]	[70]	[71]	[72]	[73]	[74]	[75]	[76]	[77]	[78]	[79]	[80]
Company	Ticker	Initial Outflow	4/15/14	12/31/14	6/30/15	6/30/16	6/30/17	6/30/18	6/30/19	6/30/20	6/30/21	6/30/22	6/30/23	6/30/24	6/30/25	6/30/26	6/30/27	6/30/28
American Electric Power Company, Inc.	AEP	($46.69)	$0.00	$1.45	$2.14	$2.22	$2.31	$2.43	$2.56	$2.71	$2.87	$3.04	$3.24	$3.45	$3.65	$3.86	$4.08	$105.27
Cleco Corp.	CNL	($47.08)	$0.00	$1.11	$1.71	$1.81	$1.92	$2.05	$2.20	$2.37	$2.55	$2.74	$2.96	$3.20	$3.38	$3.57	$3.77	$108.68
Duke Energy Corporation	DUK	($69.39)	$0.00	$2.13	$2.89	$2.86	$2.83	$2.97	$3.12	$3.29	$3.48	$3.69	$3.92	$4.18	$4.42	$4.67	$4.94	$153.98
Empire District Electric Company	EDE	($22.71)	$0.00	$0.67	$0.95	$0.97	$0.98	$1.02	$1.06	$1.11	$1.16	$1.23	$1.30	$1.38	$1.46	$1.54	$1.63	$50.23
Great Plains Energy Inc.	GXP	($24.16)	$0.00	$0.57	$0.95	$1.04	$1.15	$1.21	$1.27	$1.35	$1.42	$1.50	$1.59	$1.69	$1.78	$1.89	$1.99	$54.78
Hawaiian Electric Industries, Inc.	HE	($25.58)	$0.00	$0.98	$1.42	$1.45	$1.48	$1.51	$1.54	$1.59	$1.64	$1.69	$1.76	$1.83	$1.94	$2.05	$2.16	$54.80
IDACORP, Inc.	IDA	($51.73)	$0.00	$1.11	$1.90	$2.08	$2.27	$2.35	$2.44	$2.56	$2.69	$2.85	$3.03	$3.25	$3.43	$3.63	$3.84	$116.73
NextEra Energy, Inc.	NEE	($86.64)	$0.00	$1.87	$2.94	$3.14	$3.35	$3.57	$3.81	$4.07	$4.36	$4.67	$5.02	$5.40	$5.71	$6.03	$6.37	$198.34
Otter Tail Corporation	OTTR	($29.04)	$0.00	$0.71	$0.91	$0.87	$0.83	$0.90	$0.97	$1.04	$1.13	$1.21	$1.30	$1.40	$1.48	$1.57	$1.66	$65.25
Pinnacle West Capital Corporation	PNW	($54.52)	$0.00	$1.64	$2.48	$2.60	$2.73	$2.85	$3.00	$3.15	$3.33	$3.52	$3.74	$3.98	$4.20	$4.44	$4.70	$122.52
PNM Resources, Inc.	PNM	($24.08)	$0.00	$0.52	$0.82	$0.89	$0.96	$1.08	$1.21	$1.35	$1.50	$1.65	$1.82	$1.99	$2.10	$2.22	$2.35	$58.51
Portland General Electric Company	POR	($29.98)	$0.00	$0.93	$1.26	$1.26	$1.24	$1.32	$1.41	$1.51	$1.62	$1.75	$1.88	$2.04	$2.16	$2.28	$2.41	$68.21
Southern Company	SO	($41.92)	$0.00	$1.50	$2.18	$2.23	$2.28	$2.34	$2.41	$2.48	$2.57	$2.67	$2.78	$2.91	$3.08	$3.25	$3.44	$90.60
Westar Energy, Inc.	WR	($32.49)	$0.00	$0.88	$1.34	$1.41	$1.48	$1.55	$1.63	$1.71	$1.82	$1.93	$2.06	$2.21	$2.34	$2.47	$2.62	$73.44
Alliant Energy Corporation	LNT	($52.11)	$0.00	$1.51	$2.18	$2.24	$2.30	$2.48	$2.67	$2.88	$3.10	$3.34	$3.60	$3.88	$4.10	$4.34	$4.59	$120.26
Black Hills Corporation	BKH	($52.52)	$0.00	$0.82	$1.21	$1.25	$1.29	$1.39	$1.50	$1.62	$1.75	$1.90	$2.06	$2.24	$2.37	$2.50	$2.64	$119.51
CMS Energy Corporation	CMS	($27.33)	$0.00	$0.71	$1.09	$1.16	$1.23	$1.32	$1.43	$1.53	$1.65	$1.77	$1.90	$2.04	$2.16	$2.28	$2.41	$63.25
DTE Energy Company	DTE	($68.58)	$0.00	$1.99	$2.87	$2.95	$3.02	$3.22	$3.43	$3.66	$3.91	$4.17	$4.47	$4.78	$5.06	$5.34	$5.65	$155.78
SCANA Corporation	SCG	($47.93)	$0.00	$1.41	$2.01	$2.05	$2.08	$2.26	$2.45	$2.66	$2.89	$3.14	$3.42	$3.73	$3.94	$4.17	$4.40	$112.10
TECO Energy, Inc.	TE	($16.93)	$0.00	$0.79	$0.96	$0.89	$0.82	$0.81	$0.81	$0.82	$0.84	$0.87	$0.90	$0.94	$1.00	$1.05	$1.11	$34.98
Vectren Corporation	VVC	($35.51)	$0.00	$1.27	$1.54	$1.42	$1.28	$1.39	$1.51	$1.64	$1.78	$1.94	$2.11	$2.30	$2.43	$2.57	$2.71	$80.60

Multi-Stage Growth Discounted Cash Flow Model - Combined Proxy Group
180 Day Average Stock Price
High EPS Growth Rate Estimate in First Stage

Inputs		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
		Stock	EPS Growth Rate Estimates				Long-Term		Payout Ratio		Iterative Solution		Terminal	Terminal
Company	Ticker	Price	Zacks	First Call	Value Line	High Growth	Growth	2013	2017	2024	Proof	IRR	P/E Ratio	PEG Ratio
American Electric Power Company, Inc.	AEP	$46.69	4.30%	4.23%	4.50%	4.50%	5.70%	64.00%	63.00%	67.05%	($0.00)	10.31%	15.40	2.70
Cleco Corp.	CNL	$47.08	8.00%	8.00%	4.50%	8.00%	5.70%	54.00%	57.00%	67.05%	($0.00)	10.87%	13.71	2.40
Duke Energy Corporation	DUK	$69.39	3.90%	3.92%	4.00%	4.00%	5.70%	76.00%	63.00%	67.05%	($0.00)	9.44%	18.96	3.32
Empire District Electric Company	EDE	$22.71	3.00%	3.00%	4.00%	4.00%	5.70%	68.00%	64.00%	67.05%	($0.00)	9.76%	17.47	3.06
Great Plains Energy Inc.	GXP	$24.16	5.20%	5.17%	6.00%	6.00%	5.70%	55.00%	66.00%	67.05%	($0.00)	10.20%	15.78	2.77
Hawaiian Electric Industries, Inc.	HE	$25.58	6.00%	4.20%	3.50%	6.00%	5.70%	78.00%	74.00%	67.05%	($0.00)	11.25%	12.78	2.24
IDACORP, Inc.	IDA	$51.73	4.00%	4.00%	2.00%	4.00%	5.70%	45.00%	61.00%	67.05%	($0.00)	10.13%	16.03	2.81
NextEra Energy, Inc.	NEE	$86.64	6.10%	6.48%	4.50%	6.48%	5.70%	54.00%	59.00%	67.05%	($0.00)	10.00%	16.50	2.89
Otter Tail Corporation	OTTR	$29.04	NA	6.00%	15.00%	15.00%	5.70%	87.00%	59.00%	67.05%	($0.00)	11.15%	13.02	2.28
Pinnacle West Capital Corporation	PNW	$54.52	4.60%	4.13%	4.00%	4.60%	5.70%	62.00%	64.00%	67.05%	$0.00	10.37%	15.18	2.66
PNM Resources, Inc.	PNM	$24.08	7.60%	8.20%	12.00%	12.00%	5.70%	50.00%	51.00%	67.05%	($0.00)	11.97%	11.31	1.98
Portland General Electric Company	POR	$29.98	6.60%	10.89%	3.50%	10.89%	5.70%	66.00%	56.00%	67.05%	($0.00)	12.55%	10.36	1.82
Southern Company	SO	$41.92	3.70%	3.55%	3.50%	3.70%	5.70%	75.00%	72.00%	67.05%	($0.00)	10.19%	15.79	2.77
Westar Energy, Inc.	WR	$32.49	4.30%	2.80%	6.00%	6.00%	5.70%	55.00%	60.00%	67.05%	($0.00)	10.93%	13.57	2.38
Alliant Energy Corporation	LNT	$52.11	5.50%	5.40%	6.00%	6.00%	5.70%	64.00%	58.00%	67.05%	$0.00	10.34%	15.29	2.68
Black Hills Corporation	BKH	$52.52	4.00%	7.00%	13.00%	13.00%	5.70%	55.00%	54.00%	67.05%	$0.00	10.50%	14.79	2.59
CMS Energy Corporation	CMS	$27.33	6.00%	6.24%	6.50%	6.50%	5.70%	60.00%	60.00%	67.05%	$0.00	10.31%	15.38	2.70
DTE Energy Company	DTE	$68.58	6.20%	5.21%	5.00%	6.20%	5.70%	67.00%	61.00%	67.05%	($0.00)	10.30%	15.42	2.70
SCANA Corporation	SCG	$47.93	4.50%	4.60%	5.00%	5.00%	5.70%	59.00%	53.00%	67.05%	$0.00	10.45%	14.93	2.62
TECO Energy, Inc.	TE	$16.93	5.00%	0.17%	2.00%	5.00%	5.70%	97.00%	71.00%	67.05%	($0.00)	11.05%	13.26	2.32
Vectren Corporation	VVC	$35.51	4.70%	4.50%	8.50%	8.50%	5.70%	86.00%	53.00%	67.05%	($0.00)	10.89%	13.67	2.40

	DCF Result	Flotation Cost	DCF Result - w/ Flotation Cost
Mean	10.62%	0.14%	10.76%
Max	12.55%	0.14%	12.68%
Min	9.44%	0.14%	9.58%

Projected Annual
Earnings per Share

Company	Ticker	[14] 2012	[15] 2013	[16] 2014	[17] 2015	[18] 2016	[19] 2017	[20] 2018	[21] **2019**	[22] 2020	[23] 2021	[24] 2022	[25] 2023	[26] **2024**	[27] 2025	[28] 2026	[29] 2027	[30] 2028
American Electric Power Company, Inc.	AEP	$2.98	$3.11	$3.25	$3.40	$3.55	$3.71	$3.88	$4.06	$4.26	$4.48	$4.72	$4.98	$5.26	$5.56	$5.88	$6.21	$6.57
Cleco Corp.	CNL	$2.70	$2.92	$3.15	$3.40	$3.67	$3.97	$4.28	$4.61	$4.94	$5.28	$5.63	$5.97	$6.31	$6.67	$7.05	$7.45	$7.88
Duke Energy Corporation	DUK	$3.71	$3.86	$4.01	$4.17	$4.34	$4.51	$4.69	$4.90	$5.12	$5.37	$5.64	$5.95	$6.29	$6.65	$7.03	$7.43	$7.85
Empire District Electric Company	EDE	$1.32	$1.37	$1.43	$1.48	$1.54	$1.61	$1.67	$1.74	$1.82	$1.91	$2.01	$2.12	$2.24	$2.37	$2.50	$2.64	$2.79
Great Plains Energy Inc.	GXP	$1.35	$1.43	$1.52	$1.61	$1.70	$1.81	$1.92	$2.03	$2.15	$2.27	$2.41	$2.54	$2.69	$2.84	$3.01	$3.18	$3.36
Hawaiian Electric Industries, Inc.	HE	$1.68	$1.78	$1.89	$2.00	$2.12	$2.25	$2.38	$2.52	$2.67	$2.83	$2.99	$3.17	$3.35	$3.54	$3.74	$3.95	$4.18
IDACORP, Inc.	IDA	$3.37	$3.50	$3.64	$3.79	$3.94	$4.10	$4.26	$4.45	$4.65	$4.88	$5.13	$5.40	$5.71	$6.04	$6.38	$6.75	$7.13
NextEra Energy, Inc.	NEE	$4.56	$4.86	$5.17	$5.51	$5.86	$6.24	$6.65	$7.07	$7.51	$7.97	$8.44	$8.93	$9.44	$9.98	$10.55	$11.15	$11.79
Otter Tail Corporation	OTTR	$1.05	$1.21	$1.39	$1.60	$1.84	$2.11	$2.43	$2.76	$3.08	$3.40	$3.70	$3.97	$4.20	$4.44	$4.69	$4.96	$5.24
Pinnacle West Capital Corporation	PNW	$3.50	$3.66	$3.83	$4.01	$4.19	$4.38	$4.58	$4.80	$5.04	$5.30	$5.58	$5.89	$6.23	$6.58	$6.96	$7.36	$7.78
PNM Resources, Inc.	PNM	$1.31	$1.47	$1.64	$1.84	$2.06	$2.31	$2.59	$2.87	$3.15	$3.43	$3.70	$3.95	$4.18	$4.41	$4.66	$4.93	$5.21
Portland General Electric Company	POR	$1.87	$2.07	$2.30	$2.55	$2.83	$3.14	$3.48	$3.83	$4.18	$4.52	$4.86	$5.18	$5.47	$5.79	$6.12	$6.46	$6.83
Southern Company	SO	$2.67	$2.77	$2.87	$2.98	$3.09	$3.20	$3.32	$3.45	$3.61	$3.77	$3.96	$4.18	$4.42	$4.67	$4.93	$5.22	$5.51
Westar Energy, Inc.	WR	$2.15	$2.28	$2.42	$2.56	$2.71	$2.88	$3.05	$3.23	$3.42	$3.62	$3.83	$4.05	$4.28	$4.53	$4.79	$5.06	$5.35
Alliant Energy Corporation	LNT	$3.05	$3.23	$3.43	$3.63	$3.85	$4.08	$4.33	$4.58	$4.85	$5.14	$5.44	$5.75	$6.08	$6.42	$6.79	$7.18	$7.59
Black Hills Corporation	BKH	$1.97	$2.23	$2.52	$2.84	$3.21	$3.63	$4.10	$4.58	$5.07	$5.54	$5.99	$6.41	$6.77	$7.16	$7.57	$8.00	$8.46
CMS Energy Corporation	CMS	$1.53	$1.63	$1.74	$1.85	$1.97	$2.10	$2.23	$2.37	$2.52	$2.68	$2.84	$3.00	$3.17	$3.35	$3.55	$3.75	$3.96
DTE Energy Company	DTE	$3.88	$4.12	$4.38	$4.65	$4.94	$5.24	$5.57	$5.91	$6.26	$6.64	$7.03	$7.43	$7.86	$8.30	$8.78	$9.28	$9.81
SCANA Corporation	SCG	$3.15	$3.31	$3.47	$3.65	$3.83	$4.02	$4.22	$4.44	$4.67	$4.92	$5.19	$5.48	$5.79	$6.12	$6.47	$6.84	$7.23
TECO Energy, Inc.	TE	$1.14	$1.20	$1.26	$1.32	$1.39	$1.45	$1.53	$1.61	$1.69	$1.78	$1.88	$1.98	$2.10	$2.22	$2.34	$2.48	$2.62
Vectren Corporation	VVC	$1.94	$2.10	$2.28	$2.48	$2.69	$2.92	$3.17	$3.42	$3.68	$3.94	$4.20	$4.46	$4.71	$4.98	$5.27	$5.57	$5.89

Projected Annual
Dividend Payout Ratio

Company	Ticker	[31] 2013	[32] 2014	[33] 2015	[34] 2016	[35] 2017	[36] 2018	[37] 2019	[38] 2020	[39] 2021	[40] 2022	[41] 2023	[42] 2024	[43] 2025	[44] 2026	[45] 2027	[46] 2028
American Electric Power Company, Inc.	AEP	64.00%	63.75%	63.50%	63.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Cleco Corp.	CNL	54.00%	54.75%	55.50%	56.25%	57.00%	58.44%	59.87%	61.31%	62.74%	64.18%	65.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Duke Energy Corporation	DUK	76.00%	72.75%	69.50%	66.25%	63.00%	63.58%	64.16%	64.73%	65.31%	65.89%	66.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Empire District Electric Company	EDE	68.00%	67.00%	66.00%	65.00%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Great Plains Energy Inc.	GXP	55.00%	57.75%	60.50%	63.25%	66.00%	66.15%	66.30%	66.45%	66.60%	66.75%	66.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Hawaiian Electric Industries, Inc.	HE	78.00%	77.00%	76.00%	75.00%	74.00%	73.01%	72.01%	71.02%	70.03%	69.03%	68.04%	67.05%	67.05%	67.05%	67.05%	67.05%
IDACORP, Inc.	IDA	45.00%	49.00%	53.00%	57.00%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
NextEra Energy, Inc.	NEE	54.00%	55.25%	56.50%	57.75%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Otter Tail Corporation	OTTR	87.00%	80.00%	73.00%	66.00%	59.00%	60.15%	61.30%	62.45%	63.60%	64.75%	65.90%	67.05%	67.05%	67.05%	67.05%	67.05%
Pinnacle West Capital Corporation	PNW	62.00%	62.50%	63.00%	63.50%	64.00%	64.44%	64.87%	65.31%	65.74%	66.18%	66.61%	67.05%	67.05%	67.05%	67.05%	67.05%
PNM Resources, Inc.	PNM	50.00%	50.25%	50.50%	50.75%	51.00%	53.29%	55.58%	57.88%	60.17%	62.46%	64.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Portland General Electric Company	POR	66.00%	63.50%	61.00%	58.50%	56.00%	57.58%	59.16%	60.73%	62.31%	63.89%	65.47%	67.05%	67.05%	67.05%	67.05%	67.05%
Southern Company	SO	75.00%	74.25%	73.50%	72.75%	72.00%	71.29%	70.58%	69.88%	69.17%	68.46%	67.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Westar Energy, Inc.	WR	55.00%	56.25%	57.50%	58.75%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
Alliant Energy Corporation	LNT	64.00%	62.50%	61.00%	59.50%	58.00%	59.29%	60.58%	61.88%	63.17%	64.46%	65.75%	67.05%	67.05%	67.05%	67.05%	67.05%
Black Hills Corporation	BKH	55.00%	54.75%	54.50%	54.25%	54.00%	55.86%	57.73%	59.59%	61.45%	63.32%	65.18%	67.05%	67.05%	67.05%	67.05%	67.05%
CMS Energy Corporation	CMS	60.00%	60.00%	60.00%	60.00%	60.00%	61.01%	62.01%	63.02%	64.03%	65.03%	66.04%	67.05%	67.05%	67.05%	67.05%	67.05%
DTE Energy Company	DTE	67.00%	65.50%	64.00%	62.50%	61.00%	61.86%	62.73%	63.59%	64.45%	65.32%	66.18%	67.05%	67.05%	67.05%	67.05%	67.05%
SCANA Corporation	SCG	59.00%	57.50%	56.00%	54.50%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%
TECO Energy, Inc.	TE	97.00%	90.50%	84.00%	77.50%	71.00%	70.44%	69.87%	69.31%	68.74%	68.18%	67.61%	67.05%	67.05%	67.05%	67.05%	67.05%
Vectren Corporation	VVC	86.00%	77.75%	69.50%	61.25%	53.00%	55.01%	57.01%	59.02%	61.03%	63.03%	65.04%	67.05%	67.05%	67.05%	67.05%	67.05%

Projected Annual
Cash Flows

Company	Ticker	[47] 2013	[48] 2014	[49] 2015	[50] 2016	[51] 2017	[52] 2018	[53] 2019	[54] 2020	[55] 2021	[56] 2022	[57] 2023	[58] 2024	[59] 2025	[60] 2026	[61] 2027	[62] 2028	[63] Terminal Value
American Electric Power Company, Inc.	AEP	$1.99	$2.07	$2.16	$2.25	$2.34	$2.47	$2.61	$2.76	$2.93	$3.11	$3.31	$3.53	$3.73	$3.94	$4.17	$4.40	$101.17
Cleco Corp.	CNL	$1.57	$1.72	$1.89	$2.07	$2.26	$2.50	$2.76	$3.03	$3.31	$3.61	$3.92	$4.23	$4.47	$4.73	$5.00	$5.28	$107.98
Duke Energy Corporation	DUK	$2.93	$2.92	$2.90	$2.88	$2.84	$2.98	$3.14	$3.31	$3.51	$3.72	$3.95	$4.22	$4.46	$4.71	$4.98	$5.26	$148.85
Empire District Electric Company	EDE	$0.93	$0.96	$0.98	$1.00	$1.03	$1.08	$1.13	$1.19	$1.26	$1.33	$1.41	$1.50	$1.59	$1.68	$1.77	$1.87	$48.81
Great Plains Energy Inc.	GXP	$0.79	$0.88	$0.97	$1.08	$1.19	$1.27	$1.35	$1.43	$1.51	$1.61	$1.70	$1.80	$1.91	$2.02	$2.13	$2.25	$52.99
Hawaiian Electric Industries, Inc.	HE	$1.39	$1.45	$1.52	$1.59	$1.66	$1.74	$1.82	$1.90	$1.98	$2.07	$2.15	$2.24	$2.37	$2.51	$2.65	$2.80	$53.40
IDACORP, Inc.	IDA	$1.58	$1.79	$2.01	$2.25	$2.50	$2.64	$2.79	$2.96	$3.14	$3.35	$3.58	$3.83	$4.05	$4.28	$4.52	$4.78	$114.31
NextEra Energy, Inc.	NEE	$2.62	$2.86	$3.11	$3.39	$3.68	$4.00	$4.33	$4.69	$5.07	$5.46	$5.89	$6.33	$6.69	$7.07	$7.48	$7.90	$194.50
Otter Tail Corporation	OTTR	$1.05	$1.11	$1.17	$1.21	$1.25	$1.46	$1.69	$1.93	$2.16	$2.40	$2.62	$2.81	$2.97	$3.14	$3.32	$3.51	$68.21
Pinnacle West Capital Corporation	PNW	$2.27	$2.39	$2.52	$2.66	$2.80	$2.95	$3.12	$3.29	$3.49	$3.70	$3.93	$4.18	$4.41	$4.67	$4.93	$5.21	$118.08
PNM Resources, Inc.	PNM	$0.73	$0.83	$0.93	$1.05	$1.18	$1.38	$1.59	$1.82	$2.07	$2.31	$2.56	$2.80	$2.96	$3.13	$3.31	$3.49	$58.94
Portland General Electric Company	POR	$1.37	$1.46	$1.56	$1.65	$1.76	$2.00	$2.26	$2.54	$2.82	$3.10	$3.39	$3.67	$3.88	$4.10	$4.33	$4.58	$70.78
Southern Company	SO	$2.08	$2.13	$2.19	$2.25	$2.31	$2.37	$2.44	$2.52	$2.61	$2.71	$2.83	$2.96	$3.13	$3.31	$3.50	$3.70	$87.07
Westar Energy, Inc.	WR	$1.25	$1.36	$1.47	$1.59	$1.73	$1.86	$2.00	$2.16	$2.32	$2.49	$2.68	$2.87	$3.04	$3.21	$3.39	$3.59	$72.57
Alliant Energy Corporation	LNT	$2.07	$2.14	$2.22	$2.29	$2.37	$2.57	$2.78	$3.00	$3.25	$3.50	$3.78	$4.07	$4.31	$4.55	$4.81	$5.09	$116.00
Black Hills Corporation	BKH	$1.22	$1.38	$1.55	$1.74	$1.96	$2.29	$2.65	$3.02	$3.41	$3.80	$4.18	$4.54	$4.80	$5.08	$5.36	$5.67	$125.07
CMS Energy Corporation	CMS	$0.98	$1.04	$1.11	$1.18	$1.26	$1.36	$1.47	$1.59	$1.71	$1.84	$1.98	$2.13	$2.25	$2.38	$2.51	$2.66	$60.95
DTE Energy Company	DTE	$2.76	$2.87	$2.97	$3.08	$3.20	$3.44	$3.71	$3.98	$4.28	$4.59	$4.92	$5.27	$5.57	$5.89	$6.22	$6.58	$151.21
SCANA Corporation	SCG	$1.95	$2.00	$2.04	$2.09	$2.13	$2.32	$2.53	$2.76	$3.00	$3.27	$3.56	$3.88	$4.10	$4.34	$4.59	$4.85	$107.94

Multi-Stage Growth Discounted Cash Flow Model - Combined Proxy Group
180 Day Average Stock Price
High EPS Growth Rate Estimate in First Stage

TECO Energy, Inc.	TE		$1.16	$1.14	$1.11	$1.07	$1.03	$1.08	$1.12	$1.17	$1.22	$1.28	$1.34	$1.41	$1.49	$1.57	$1.66	$1.75	$34.69
Vectren Corporation	VVC		$1.81	$1.78	$1.72	$1.65	$1.55	$1.74	$1.95	$2.17	$2.40	$2.65	$2.90	$3.16	$3.34	$3.53	$3.73	$3.95	$80.49

Projected Annual Data
Investor Cash Flows

		[64]	[65]	[66]	[67]	[68]	[69]	[70]	[71]	[72]	[73]	[74]	[75]	[76]	[77]	[78]	[79]	[80]
Company	Ticker	Initial Outflow	4/15/14	12/31/14	6/30/15	6/30/16	6/30/17	6/30/18	6/30/19	6/30/20	6/30/21	6/30/22	6/30/23	6/30/24	6/30/25	6/30/26	6/30/27	6/30/28
American Electric Power Company, Inc.	AEP	($46.69)	$0.00	$1.45	$2.16	$2.25	$2.34	$2.47	$2.61	$2.76	$2.93	$3.11	$3.31	$3.53	$3.73	$3.94	$4.17	$105.57
Cleco Corp.	CNL	($47.08)	$0.00	$1.17	$1.89	$2.07	$2.26	$2.50	$2.76	$3.03	$3.31	$3.61	$3.92	$4.23	$4.47	$4.73	$5.00	$113.26
Duke Energy Corporation	DUK	($69.39)	$0.00	$2.13	$2.90	$2.88	$2.84	$2.98	$3.14	$3.31	$3.51	$3.72	$3.95	$4.22	$4.46	$4.71	$4.98	$154.11
Empire District Electric Company	EDE	($22.71)	$0.00	$0.68	$0.98	$1.00	$1.03	$1.08	$1.13	$1.19	$1.26	$1.33	$1.41	$1.50	$1.59	$1.68	$1.77	$50.68
Great Plains Energy Inc.	GXP	($24.16)	$0.00	$0.58	$0.97	$1.08	$1.19	$1.27	$1.35	$1.43	$1.51	$1.61	$1.70	$1.80	$1.91	$2.02	$2.13	$55.24
Hawaiian Electric Industries, Inc.	HE	($25.58)	$0.00	$1.02	$1.52	$1.59	$1.66	$1.74	$1.82	$1.90	$1.98	$2.07	$2.15	$2.24	$2.37	$2.51	$2.65	$56.21
IDACORP, Inc.	IDA	($51.73)	$0.00	$1.15	$2.01	$2.25	$2.50	$2.64	$2.79	$2.96	$3.14	$3.35	$3.58	$3.83	$4.05	$4.28	$4.52	$119.09
NextEra Energy, Inc.	NEE	($86.64)	$0.00	$1.93	$3.11	$3.39	$3.68	$4.00	$4.33	$4.69	$5.07	$5.46	$5.89	$6.33	$6.69	$7.07	$7.48	$202.40
Otter Tail Corporation	OTTR	($29.04)	$0.00	$0.80	$1.17	$1.21	$1.25	$1.46	$1.69	$1.93	$2.16	$2.40	$2.62	$2.81	$2.97	$3.14	$3.32	$71.73
Pinnacle West Capital Corporation	PNW	($54.52)	$0.00	$1.65	$2.52	$2.66	$2.80	$2.95	$3.12	$3.29	$3.49	$3.70	$3.93	$4.18	$4.41	$4.67	$4.93	$123.29
PNM Resources, Inc.	PNM	($24.08)	$0.00	$0.55	$0.93	$1.05	$1.18	$1.38	$1.59	$1.82	$2.07	$2.31	$2.56	$2.80	$2.96	$3.13	$3.31	$62.43
Portland General Electric Company	POR	($29.98)	$0.00	$1.03	$1.56	$1.65	$1.76	$2.00	$2.26	$2.54	$2.82	$3.10	$3.39	$3.67	$3.88	$4.10	$4.33	$75.36
Southern Company	SO	($41.92)	$0.00	$1.51	$2.19	$2.25	$2.31	$2.37	$2.44	$2.52	$2.61	$2.71	$2.83	$2.96	$3.13	$3.31	$3.50	$90.76
Westar Energy, Inc.	WR	($32.49)	$0.00	$0.92	$1.47	$1.59	$1.73	$1.86	$2.00	$2.16	$2.32	$2.49	$2.68	$2.87	$3.04	$3.21	$3.39	$76.15
Alliant Energy Corporation	LNT	($52.11)	$0.00	$1.52	$2.22	$2.29	$2.37	$2.57	$2.78	$3.00	$3.25	$3.50	$3.78	$4.07	$4.31	$4.55	$4.81	$121.08
Black Hills Corporation	BKH	($52.52)	$0.00	$0.93	$1.55	$1.74	$1.96	$2.29	$2.65	$3.02	$3.41	$3.80	$4.18	$4.54	$4.80	$5.08	$5.36	$130.74
CMS Energy Corporation	CMS	($27.33)	$0.00	$0.72	$1.11	$1.18	$1.26	$1.36	$1.47	$1.59	$1.71	$1.84	$1.98	$2.13	$2.25	$2.38	$2.51	$63.60
DTE Energy Company	DTE	($68.58)	$0.00	$2.03	$2.97	$3.08	$3.20	$3.44	$3.71	$3.98	$4.28	$4.59	$4.92	$5.27	$5.57	$5.89	$6.22	$157.79
SCANA Corporation	SCG	($47.93)	$0.00	$1.42	$2.04	$2.09	$2.13	$2.32	$2.53	$2.76	$3.00	$3.27	$3.56	$3.88	$4.10	$4.34	$4.59	$112.79
TECO Energy, Inc.	TE	($16.93)	$0.00	$0.85	$1.11	$1.07	$1.03	$1.08	$1.12	$1.17	$1.22	$1.28	$1.34	$1.41	$1.49	$1.57	$1.66	$36.44
Vectren Corporation	VVC	($35.51)	$0.00	$1.34	$1.72	$1.65	$1.55	$1.74	$1.95	$2.17	$2.40	$2.65	$2.90	$3.16	$3.34	$3.53	$3.73	$84.43

Multi-Stage DCF Notes:

[1] Source: Bloomberg; based on 30-, 90-, and 180-day historical average
[2] Source: Zacks
[3] Source: Yahoo! Finance
[4] Source: Value Line
[5] Equals indicated value (average, minimum, maximum) from Columns [2], [3], [4]
[6] Source: Federal Reserve, Bureau of Economic Analysis
[7] Source: Value Line
[8] Source: Value Line
[9] Source: Bloomberg Professional
[10] Equals Column [1] + Column [64]
[11] Equals result of Excel Solver function; goal: Column [10] equals $0.00
[12] Equals Column [63] / Column [30]
[13] Equals Column [12] / (Column [6] x 100)
[14] Source: Value Line
[15] Equals Column [14] x (1 + Column [5])
[16] Equals Column [15] x (1 + Column [5])
[17] Equals Column [16] x (1 + Column [5])
[18] Equals Column [17] x (1 + Column [5])
[19] Equals Column [18] x (1 + Column [5])
[20] Equals Column [19] x (1 + Column [5])
[21] Equals (1 + (Column [5] + (((Column [6] − Column [5]) / (2024 − 2019 + 1)) x (2019 − 2018)))) x Column [20]
[22] Equals (1 + (Column [5] + (((Column [6] − Column [5]) / (2024 − 2019 + 1)) x (2020 − 2018)))) x Column [21]
[23] Equals (1 + (Column [5] + (((Column [6] − Column [5]) / (2024 − 2019 + 1)) x (2021 − 2018)))) x Column [22]
[24] Equals (1 + (Column [5] + (((Column [6] − Column [5]) / (2024 − 2019 + 1)) x (2022 − 2018)))) x Column [23]
[25] Equals (1 + (Column [5] + (((Column [6] − Column [5]) / (2024 − 2019 + 1)) x (2023 − 2018)))) x Column [24]
[26] Equals Column [25] x (1 + Column [6])
[27] Equals Column [26] x (1 + Column [6])
[28] Equals Column [27] x (1 + Column [6])
[29] Equals Column [28] x (1 + Column [6])
[30] Equals Column [29] x (1 + Column [6])
[31] Equals Column [7]
[32] Equals Column [31] + ((Column [35] − Column [31]) / 4)
[33] Equals Column [32] + ((Column [35] − Column [31]) / 4)
[34] Equals Column [33] + ((Column [35] − Column [31]) / 4)
[35] Equals Column [8]
[36] Equals Column [35] + ((Column [42] − Column [35]) / 7)
[37] Equals Column [36] + ((Column [42] − Column [35]) / 7)
[38] Equals Column [37] + ((Column [42] − Column [35]) / 7)
[39] Equals Column [38] + ((Column [42] − Column [35]) / 7)
[40] Equals Column [39] + ((Column [42] − Column [35]) / 7)
[41] Equals Column [40] + ((Column [42] − Column [35]) / 7)
[42] Equals Column [9]
[43] Equals Column [9]
[44] Equals Column [9]
[45] Equals Column [9]
[46] Equals Column [9]
[47] Equals Column [15] x Column [31]
[48] Equals Column [16] x Column [32]
[49] Equals Column [17] x Column [33]
[50] Equals Column [18] x Column [34]
[51] Equals Column [19] x Column [35]
[52] Equals Column [20] x Column [36]
[53] Equals Column [21] x Column [37]
[54] Equals Column [22] x Column [38]
[55] Equals Column [23] x Column [39]
[56] Equals Column [24] x Column [40]
[57] Equals Column [25] x Column [41]
[58] Equals Column [26] x Column [42]
[59] Equals Column [27] x Column [43]
[60] Equals Column [28] x Column [44]
[61] Equals Column [29] x Column [45]
[62] Equals Column [30] x Column [46]
[63] Equals (Column [62] x (1 + Column [6])) / (Column [11] − Column [6])
[64] Equals negative net present value; discount rate equals Column [11], cash flows equal Column [65] through Column [80]
[65] Equals $0.00
[66] Equals Column [47] x (1 + (0.5 x Column [5])) x (12/31/2014 - 4/15/2014) / 365
[67] Equals Column [49]
[68] Equals Column [50]
[69] Equals Column [51]
[70] Equals Column [52]
[71] Equals Column [53]
[72] Equals Column [54]
[73] Equals Column [55]
[74] Equals Column [56]
[75] Equals Column [57]
[76] Equals Column [58]
[77] Equals Column [59]
[78] Equals Column [60]
[79] Equals Column [61]
[80] Equals Column [62] + [63]

Flotation Cost Adjustment

Two most recent open market common stock issuances per company, if available

Company	Date	Shares Issued	Offering Price	Underwriting Discount	Offering Expense	Net Proceeds Per Share	Total Flotation Costs	Gross Equity Issue Before Costs	Net Proceeds	Flotation Cost Percentage
Xcel Energy, Inc. [13]	3/5/2013	7,757,449	$29.06	$0 2906	$403,481	$28.71	$2,657,558	$225,407,642	$222,750,085	1.179%
Xcel Energy, Inc.	8/3/2010	21,850,000	$21.50	$0.6450	$600,000	$20.83	$14,693,250	$469,775,000	$455,081,750	3.128%
Alliant Energy Corporation	7/1/2003	17,250,000	$19.25	$0.7700	$370,000	$18.46	$13,652,500	$332,062,500	$318,410,000	4.111%
Alliant Energy Corporation	11/8/2001	9,775,000	$28.00	$1 0500	$425,000	$26.91	$10,688,750	$273,700,000	$263,011,250	3.905%
Black Hills Corporation	11/10/2010	4,600,000	$29.75	$1 0413	$276,650	$28.65	$5,066,400	$136,850,000	$131,783,600	3.702%
Black Hills Corporation	4/24/2003	4,600,000	$27.00	$1 2830	$538,000	$25.60	$6,439,800	$124,200,000	$117,760,200	5.185%
CMS Energy Corporation	3/30/2005	23,000,000	$12.25	$0.4288	$325,000	$11.81	$10,187,400	$281,750,000	$271,562,600	3.616%
CMS Energy Corporation	10/13/2004	32,775,000	$9.10	$0 3185	$325,000	$8.77	$10,763,838	$298,252,500	$287,488,663	3.609%
DTE Energy Company	6/25/2002	6,325,000	$43.25	$1.4056	$250,000	$41.80	$9,140,420	$273,556,250	$264,415,830	3.341%
SCANA Corporation	5/11/2010	8,222,500	$37.00	$1 2950	$350,000	$35.66	$10,998,138	$304,232,500	$293,234,363	3.615%
SCANA Corporation	12/31/2008	2,875,000	$35.50	$0 5325	$350,000	$34.85	$1,880,938	$102,062,500	$100,181,563	1.843%
TECO Energy, Inc.	10/10/2002	19,550,000	$11.00	$0 3300	$498,500	$10.64	$6,950,000	$215,050,000	$208,100,000	3.232%
TECO Energy, Inc.	6/4/2002	15,525,000	$23.00	$0.6900	$300,000	$22.29	$11,012,250	$357,075,000	$346,062,750	3.084%
Vectren Corporation	2/22/2007	5,290,000	$28.33	$0 9900	$425,000	$27.26	$5,662,100	$149,865,700	$144,203,600	3.778%
Vectren Corporation	8/7/2003	7,475,000	$22.81	$0.7980	$300,000	$21.97	$6,265,050	$170,504,750	$164,239,700	3.674%
Mean							$8,403,893	$247,622,956		
								WEIGHTED AVERAGE FLOTATION COSTS:		3.394%

Constant Growth Discounted Cash Flow Model Adjusted for Flotation Costs - 30 Day Average Stock Price

		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]
					Expected Dividend Yield							
Company	Ticker	Annualized Dividend	Average Stock Price	Dividend Yield	Current	Adjusted for Flot. Costs	Zacks Earnings Growth	First Call Earnings Growth	Value Line Earnings Growth	Average Earnings Growth	DCF k(e)	Flotation Adjusted DCF k(e)
Alliant Energy Corporation	LNT	$2.04	$55.37	3.68%	3.79%	3.92%	5.50%	5.40%	6.00%	5.63%	9.42%	9.55%
Black Hills Corporation	BKH	$1.56	$57.15	2.73%	2.84%	2.94%	4.00%	7 00%	13.00%	8.00%	10.84%	10.94%
CMS Energy Corporation	CMS	$1.08	$28.83	3.75%	3.86%	4.00%	6.00%	6 24%	6.50%	6.25%	10.11%	10.25%
DTE Energy Company	DTE	$2.62	$72.84	3.60%	3.70%	3.83%	6.20%	5 21%	5.00%	5.47%	9.17%	9.30%
SCANA Corporation	SCG	$2.10	$50.42	4.17%	4.26%	4.41%	4.50%	4.60%	5.00%	4.70%	8.96%	9.11%
TECO Energy, Inc.	TE	$0.88	$16.94	5.20%	5.26%	5.44%	5.00%	0.17%	2.00%	2.39%	7.65%	7.83%
Vectren Corporation	VVC	$1.44	$38.47	3.74%	3.85%	3.99%	4.70%	4 50%	8.50%	5.90%	9.75%	9.89%
PROXY GROUP MEAN											9.41%	9.55%

Notes:
The proxy group DCF result is adjusted for flotation costs by dividing each company's expected dividend yield by (1 - flotation cost). The flotation cost adjustment is derived as he difference between he unadjusted DCF result and he DCF result adjusted for flota ion costs.

DCF Result Adjusted For Flotation Costs: 9 55%
DCF Result Unadjusted For Flotation Costs: 9.41%
Difference (Flotation Cost Adjustment): 0.14% [12]

[1] Source: Bloomberg Professional
[2] Source: Bloomberg Professional
[3] Equals [1] / [2]
[4] Equals [3] x (1 + 0.5 x [9])
[5] Equals [4] / (1 - 0 0339)
[6] Source: Zacks
[7] Source: Yahoo! Finance
[8] Source: Value Line
[9] Equals Average([6], [7], [8])
[10] Equals [4] + [9]
[11] Equals [5] + [9]
[12] Equals average [11] - average [10]
[13] Data provided by the Company

Ex-Ante Market Risk Premium
Market DCF Method Based - Bloomberg

[1]	[2]	[3]
S&P 500 Est. Required Market Return	Current 30-Year Treasury (30-day average)	Implied Market Risk Premium
13.91%	3.60%	10.31%

Company	Ticker	[4] Market Capitalization	[5] Weight in Index	[6] Estimated Dividend Yield	[7] Long-Term Growth Est.	[8] DCF Result	[9] Weighted DCF Result
AGILENT TECHNOLOGIES NC	A	17,707 96	0.10%	0.91%	8.85%	9 80%	0.0100%
ALCOA NC	AA	15,282 85	0.09%	0.92%	5.00%	5 94%	0.0053%
APPLE INC	AAPL	462,005.70	2.67%	2.44%	16.49%	19.14%	0.5112%
ABBVIE INC	ABBV	76,386 96	0.44%	3.48%	2.50%	6.02%	0.0266%
AMERISOURCEBERGEN CORP	ABC	14,719 30	0.09%	1.47%	13.65%	15.22%	0.0129%
ABBOTT LABORATORIES	ABT	58,590 38	0.34%	2.32%	11.81%	14.27%	0.0483%
ACE LTD	ACE	33,834 64	0.20%	2.54%	7.83%	10.46%	0.0205%
ACCENTURE PLC-CL A	ACN	53,126 22	0.31%	2.36%	10.50%	12.98%	0.0399%
ACTAVIS PLC	ACT	33,841.49	0.20%	0.00%	14.01%	14.01%	0.0274%
ADOBE SYSTEMS INC	ADBE	30,909 06	0.18%	0.00%	15.70%	15.70%	0.0281%
ANALOG DEVICES INC	ADI	16,620 23	0.10%	2.70%	10.88%	13.73%	0.0132%
ARCHER-DANIELS-M DLAND CO	ADM	29,030 68	0.17%	1.98%	7.45%	9.50%	0.0159%
AUTOMATIC DATA PROCESSING	ADP	36,175.46	0.21%	2.39%	10.33%	12.85%	0.0269%
ALLIANCE DATA SYSTEMS CORP	ADS	13,684 50	0.08%	0.00%	14.26%	14.26%	0.0113%
AUTODESK INC	ADSK	10,636 80	0.06%	0.00%	11.27%	11.27%	0.0069%
ADT CORP/THE	ADT	5,488 30	0.03%	1.86%	8.00%	9 94%	0.0032%
AMEREN CORPORATION	AEE	10,130 00	0.06%	3.91%	6.57%	10.60%	0.0062%
AMERICAN ELECTRIC POWER	AEP	25,522.77	0.15%	3.88%	5.23%	9 21%	0.0136%
AES CORP	AES	10,373 88	0.06%	1.40%	6.82%	8 26%	0.0050%
AETNA INC	AET	25,980 20	0.15%	1.26%	10.20%	11.53%	0.0173%
AFLAC INC	AFL	28,028 27	0.16%	2.44%	10.11%	12.68%	0.0205%
ALLERGAN INC	AGN	38,226.13	0.22%	0.16%	14.64%	14.81%	0.0327%
AMERICAN INTERNATIONAL GROUP	AIG	72,220 37	0.42%	0.99%	12.40%	13.45%	0.0562%
APARTMENT NVT & MGMT CO -A	AIV	4,270.48	0.02%	3.62%	7.28%	11.02%	0.0027%
ASSURANT INC	AIZ	4,577 99	0.03%	1.68%	3.40%	5.11%	0.0014%
AKAMAI TECHNOLOGIES INC	AKAM	9,570 84	0.06%	0.00%	14.50%	14.50%	0.0080%
ALLSTATE CORP	ALL	24,791.46	0.14%	1.94%	9.68%	11.72%	0.0168%
ALLEGION PLC	ALLE	4,820 57	N/A	30.34%	N/A	N/A	N/A
ALTERA CORP	ALTR	10,737.15	0.06%	1.73%	11.88%	13.72%	0.0085%
ALEXION PHARMACEUTICALS INC	ALXN	28,768.49	0.17%	0.00%	39.48%	39.48%	0.0657%
APPLIED MATERIALS INC	AMAT	22,840.75	0.13%	2.08%	20.06%	22.35%	0.0295%
AMETEK INC	AME	12,447.72	0.07%	0.52%	15.00%	15.55%	0.0112%
AMGEN INC	AMGN	86,996 04	0.50%	2.11%	8.01%	10.20%	0.0513%
AMER PRISE F NANCIAL INC	AMP	19,699 85	0.11%	2.20%	13.00%	15.34%	0.0175%
AMERICAN TOWER CORP	AMT	32,317 29	0.19%	1.61%	23.42%	25.21%	0.0471%
AMAZON.COM INC	AMZN	145,442 03	0.84%	0.00%	42.42%	42.42%	0.3567%
AUTONATION INC	AN	6,337.76	N/A	N/A	13.44%	N/A	N/A
AON PLC	AON	24,464.41	0.14%	0.90%	13.18%	14.14%	0.0200%
APACHE CORP	APA	32,813.72	0.19%	1.11%	9.55%	10.71%	0.0203%
ANADARKO PETROLEUM CORP	APC	50,152.79	0.29%	0.67%	18.23%	18.97%	0.0550%
AIR PRODUCTS & CHEMICALS INC	APD	24,619 67	0.14%	2.51%	8.70%	11.32%	0.0161%
AMPHENOL CORP-CL A	APH	14,453.11	0.08%	0.87%	8.71%	9.61%	0.0080%
AIRGAS INC	ARG	7,817 02	0.05%	1.78%	12.71%	14.61%	0.0066%
ALLEGHENY TECHNOLOGIES NC	ATI	4,414 03	0.03%	1.77%	20.65%	22.60%	0.0058%
AVALONBAY COMMUNITIES NC	AVB	17,433 63	0.10%	3.26%	8.58%	11.98%	0.0121%
AVON PRODUCTS INC	AVP	6,351.11	0.04%	1.68%	11.22%	12.99%	0.0048%
AVERY DENNISON CORP	AVY	4,755 54	0.03%	2.32%	10.45%	12.89%	0.0035%
AMERICAN EXPRESS CO	AXP	91,423 36	0.53%	1.15%	11.27%	12.48%	0.0660%
AUTOZONE NC	AZO	17,267 58	0.10%	0.00%	14.96%	14.96%	0.0149%
BOEING CO/THE	BA	91,596 60	0.53%	2.35%	10.60%	13.08%	0.0692%
BANK OF AMERICA CORP	BAC	172,558 55	1.00%	1.06%	9.50%	10.61%	0.1059%
BAXTER INTERNATIONAL INC	BAX	39,683 06	0.23%	2.78%	9.59%	12.49%	0.0287%
BED BATH & BEYOND INC	BBBY	13,689 09	0.08%	0.00%	12.08%	12.08%	0.0096%
BB&T CORP	BBT	27,844 25	0.16%	2.46%	6.91%	9.45%	0.0152%
BEST BUY CO INC	BBY	8,676 09	0.05%	2.78%	11.04%	13.97%	0.0070%
CR BARD INC	BCR	10,793.70	0.06%	0.64%	10.44%	11.11%	0.0069%
BECTON DICKINSON AND CO	BDX	21,958 09	0.13%	1.90%	9.60%	11.60%	0.0147%
BEAM INC	BEAM	13,772.49	0.08%	1.16%	8.40%	9.61%	0.0077%
FRANKLIN RESOURCES INC	BEN	32,740 87	0.19%	0.92%	13.88%	14.87%	0.0282%
BROWN-FORMAN CORP-CLASS B	BF/B	18,467 55	0.11%	1.26%	9.40%	10.71%	0.0114%
BAKER HUGHES INC	BHI	28,491 26	0.16%	0.92%	17.73%	18.73%	0.0309%
BIOGEN IDEC INC	BI B	67,488.10	0.39%	0.00%	19.76%	19.76%	0.0771%
BANK OF NEW YORK MELLON CORP	BK	37,740.43	0.22%	1.99%	12.83%	14.95%	0.0326%
BLACKROCK NC	BLK	51,379 26	0.30%	2.58%	13.45%	16.20%	0.0481%
BALL CORP	BLL	7,779 54	0.04%	0.97%	10.07%	11.08%	0.0050%
BEMIS COMPANY	BMS	4,037 03	0.02%	2.68%	6.93%	9.71%	0.0023%
BRISTOL-MYERS SQUIBB CO	BMY	79,491.70	0.46%	2.99%	13.92%	17.12%	0.0787%
BROADCOM CORP-CL A	BRCM	16,801.44	0.10%	1.61%	10.13%	11.82%	0.0115%
BERKSHIRE HATHAWAY INC-CL B	BRK/B	305,193 22	N/A	N/A	N/A	N/A	N/A

Company	Ticker	[4] Market Capitalization	[5] Weight in Index	[6] Estimated Dividend Yield	[7] Long-Term Growth Est.	[8] DCF Result	[9] Weighted DCF Result
BOSTON SCIENTIFIC CORP	BSX	17,668 34	0.10%	0.00%	9.90%	9 90%	0.0101%
PEABODY ENERGY CORP	BTU	4,574 56	0.03%	2.06%	12.00%	14.19%	0.0038%
BORGWARNER INC	BWA	13,913 83	0.08%	0.60%	13.83%	14.47%	0.0116%
BOSTON PROPERTIES NC	BXP	17,870 94	0.10%	3.09%	5.62%	8.79%	0.0091%
CITIGROUP NC	C	146,756.12	0.85%	0.11%	9.10%	9.22%	0.0782%
CA NC	CA	13,406.18	0.08%	3.35%	5.87%	9.32%	0.0072%
CONAGRA FOODS INC	CAG	13,000 98	0.08%	3.23%	9.87%	13.26%	0.0100%
CARDINAL HEALTH NC	CAH	23,045 54	0.13%	1.80%	11.00%	12.90%	0.0172%
CAMERON NTERNATIONAL CORP	CAM	13,226.46	0.08%	0.00%	16.00%	16.00%	0.0122%
CATERPILLAR INC	CAT	65,376.79	0.38%	2.40%	10.35%	12.87%	0.0487%
CHUBB CORP	CB	22,086 69	0.13%	2.11%	9.00%	11.20%	0.0143%
CBRE GROUP INC - A	CBG	8,861 90	N/A	N/A	10.95%	N/A	N/A
CBS CORP-CLASS B NON VOTING	CBS	34,053 66	0.20%	0.88%	15.83%	16.78%	0.0330%
COCA-COLA ENTERPRISES	CCE	11,293 83	0.07%	2.20%	9.97%	12.28%	0.0080%
CROWN CASTLE INTL CORP	CCI	24,534 00	0.14%	1.95%	18.00%	20.12%	0.0285%
CARNIVAL CORP	CCL	28,193.75	0.16%	2.75%	16.06%	19.03%	0.0310%
CELGENE CORP	CELG	56,777 85	0.33%	0.00%	25.56%	25.56%	0.0839%
CERNER CORP	CERN	18,530 08	0.11%	0.00%	18.14%	18.14%	0.0194%
CF INDUSTRIES HOLDINGS INC	CF	12,867 97	0.07%	1.66%	7.04%	8.76%	0.0065%
CAREFUSION CORP	CFN	8,054 04	0.05%	0.00%	11.24%	11.24%	0.0052%
CHESAPEAKE ENERGY CORP	CHK	18,100 99	0.10%	1.31%	5.00%	6.34%	0.0066%
C.H. ROB NSON WORLDWIDE INC	CHRW	8,191 58	0.05%	2.70%	13.18%	16.06%	0.0076%
CIGNA CORP	CI	20,989 97	0.12%	0.05%	10.27%	10.33%	0.0125%
CINC NNATI F NANCIAL CORP	CINF	7,875 25	N/A	3.58%	N/A	N/A	N/A
COLGATE-PALMOLIVE CO	CL	60,838 68	0.35%	2.19%	9.27%	11.56%	0.0407%
CLOROX COMPANY	CLX	11,676 67	0.07%	3.16%	7.78%	11.06%	0.0075%
COMERICA INC	CMA	8,845 89	0.05%	1.60%	8.10%	9.76%	0.0050%
COMCAST CORP-CLASS A	CMCSA	125,375 35	0.72%	1.86%	11.98%	13.95%	0.1011%
CME GROUP INC	CME	22,756.79	0.13%	4.51%	14.49%	19.32%	0.0254%
CHIPOTLE MEXICAN GRILL NC	CMG	16,804 95	0.10%	0.00%	21.13%	21.13%	0.0205%
CUMMINS INC	CMI	26,066.71	0.15%	1.90%	13.91%	15.94%	0.0240%
CMS ENERGY CORP	CMS	8,046.15	0.05%	3.60%	6.30%	10.02%	0.0047%
CENTERPOINT ENERGY INC	CNP	10,490.47	0.06%	3.88%	4.97%	8 95%	0.0054%
CONSOL ENERGY INC	CNX	9,406 84	0.05%	0.70%	12.00%	12.75%	0.0069%
CAPITAL ONE FINANCIAL CORP	COF	42,681 86	0.25%	1.63%	7.75%	9.44%	0.0233%
CABOT OIL & GAS CORP	COG	13,757 99	0.08%	0.24%	35.00%	35.29%	0.0281%
COACH INC	COH	13,562 61	0.08%	2.77%	9.91%	12.82%	0.0101%
ROCKWELL COLLINS INC	COL	10,485 33	0.06%	1.62%	9.70%	11.40%	0.0069%
CONOCOPHILLIPS	COP	89,537 69	0.52%	3.84%	7.50%	11.48%	0.0594%
COSTCO WHOLESALE CORP	COST	49,292 68	0.29%	1.14%	11.30%	12.50%	0.0356%
COVIDIEN PLC	COV	31,507.17	0.18%	1.78%	9.02%	10.88%	0.0198%
CAMPBELL SOUP CO	CPB	13,858.19	0.08%	2.81%	5.57%	8.46%	0.0068%
SALESFORCE.COM INC	CRM	33,695 82	0.19%	0.00%	28.80%	28.80%	0.0561%
COMPUTER SC ENCES CORP	CSC	8,750 29	0.05%	1.33%	12.40%	13.81%	0.0070%
CISCO SYSTEMS NC	CSCO	117,912 82	0.68%	3.15%	10.14%	13.44%	0.0917%
CSX CORP	CSX	28,442.40	0.16%	2.24%	12.70%	15.09%	0.0248%
CINTAS CORP	CTAS	6,771 65	0.04%	1.37%	10.96%	12.41%	0.0049%
CENTURYLINK INC	CTL	19,679 38	0.11%	6.34%	1.30%	7 68%	0.0087%
COGNIZANT TECH SOLUTIONS-A	CTSH	29,690 88	0.17%	0.00%	16.18%	16.18%	0.0278%
CITRIX SYSTEMS INC	CTXS	10,173 68	0.06%	0.00%	14.13%	14.13%	0.0083%
CABLEVISION SYSTEMS-NY GRP-A	CVC	4,315.79	0.02%	3.75%	-1.43%	2 30%	0.0006%
CVS CAREMARK CORP	CVS	87,284 83	0.50%	1.38%	14.13%	15.60%	0.0787%
CHEVRON CORP	CVX	229,010.71	1.32%	3.46%	4.60%	8.14%	0.1077%
DOMINION RESOURCES NC/VA	D	41,043 80	0.24%	3.40%	6.14%	9.64%	0.0229%
DELTA AIR L NES NC	DAL	27,103 68	0.16%	0.82%	-0.64%	0.18%	0.0003%
DU PONT (E.I.) DE NEMOURS	DD	61,298 83	0.35%	2.83%	7.30%	10.23%	0.0363%
DEERE & CO	DE	34,138 25	0.20%	2.23%	6.58%	8.89%	0.0175%
DISCOVER FINANCIAL SERVICES	DFS	26,060 87	0.15%	1.67%	11.25%	13.01%	0.0196%
DOLLAR GENERAL CORP	DG	17,039 22	0.10%	0.00%	13.91%	13.91%	0.0137%
QUEST DIAGNOSTICS INC	DGX	8,667 32	0.05%	2.20%	9.16%	11.46%	0.0057%
DR HORTON INC	DHI	7,014 96	0.04%	0.65%	6.90%	7.58%	0.0031%
DANAHER CORP	DHR	51,049 68	0.30%	0.42%	11.28%	11.72%	0.0346%
WALT DISNEY CO/THE	DIS	136,064 91	0.79%	1.10%	11.19%	12.35%	0.0972%
DISCOVERY COMMUNICATIONS-A	DISCA	26,200.46	0.15%	0.00%	20.02%	20.02%	0.0303%
DELPHI AUTOMOTIVE PLC	DLPH	20,091 96	0.12%	1.45%	13.73%	15.28%	0.0178%
DOLLAR TREE NC	DLTR	10,461.79	N/A	N/A	16.04%	N/A	N/A
DUN & BRADSTREET CORP	DNB	3,783.48	0.02%	1.72%	8.95%	10.75%	0.0024%
DENBURY RESOURCES INC	DNR	5,832.74	0.03%	1.08%	10.80%	11.94%	0.0040%
DIAMOND OFFSHORE DRILLING	DO	6,558.10	0.04%	7.32%	20.00%	28.06%	0.0106%
DOVER CORP	DOV	13,934 64	0.08%	1.87%	13.08%	15.07%	0.0121%
DOW CHEMICAL CO/THE	DOW	57,535 20	0.33%	2.90%	6.69%	9.68%	0.0322%
DR PEPPER SNAPPLE GROUP INC	DPS	10,259 98	0.06%	3.16%	6.79%	10.06%	0.0060%
DARDEN RESTAURANTS INC	DRI	6,385.40	0.04%	4.55%	7.46%	12.18%	0.0045%
DTE ENERGY COMPANY	DTE	13,602.15	0.08%	3.52%	5.42%	9.04%	0.0071%
DIRECTV	DTV	38,210.78	0.22%	0.00%	10.88%	10.88%	0.0240%
DUKE ENERGY CORP	DUK	51,473 39	0.30%	4.36%	4.68%	9.13%	0.0272%
DAVITA HEALTHCARE PARTNERS I	DVA	14,585 01	0.08%	0.00%	12.32%	12.32%	0.0104%
DEVON ENERGY CORPORATION	DVN	27,980 23	0.16%	1.30%	5.83%	7.17%	0.0116%
ELECTRONIC ARTS INC	EA	8,502 90	0.05%	0.00%	17.68%	17.68%	0.0087%
EBAY INC	EBAY	68,406.43	0.40%	0.00%	14.66%	14.66%	0.0580%

Company	Ticker	[4] Market Capitalization	[5] Weight in Index	[6] Estimated Dividend Yield	[7] Long-Term Growth Est.	[8] DCF Result	[9] Weighted DCF Result
ECOLAB INC	ECL	31,719 36	0.18%	1.01%	13.38%	14.46%	0.0265%
CONSOLIDATED EDISON INC	ED	16,751 03	0.10%	4.37%	3.46%	7 90%	0.0077%
EQUIFAX INC	EFX	8,060 03	0.05%	1.55%	20.30%	22.01%	0.0103%
EDISON INTERNATIONAL	EIX	18,554 95	0.11%	2.53%	3.01%	5.59%	0.0060%
ESTEE LAUDER COMPANIES-CL A	EL	27,467 09	0.16%	1.10%	12.33%	13.50%	0.0214%
EMC CORP/MA	EMC	54,530 05	0.32%	1.53%	12.00%	13.63%	0.0430%
EASTMAN CHEMICAL CO	EMN	13,038 08	0.08%	1.59%	7.70%	9.35%	0.0070%
EMERSON ELECTRIC CO	EMR	46,783.71	0.27%	2.59%	8.85%	11.55%	0.0312%
EOG RESOURCES INC	EOG	55,231 91	0.32%	0.45%	19.22%	19.71%	0.0629%
EQUITY RESIDENTIAL	EQR	20,946 20	0.12%	3.45%	7.43%	11.00%	0.0133%
EQT CORP	EQT	15,629.40	0.09%	0.12%	30.00%	30.14%	0.0272%
EXPRESS SCR PTS HOLDING CO	ESRX	57,100 98	0.33%	0.00%	14.55%	14.55%	0.0480%
ESSEX PROPERTY TRUST INC	ESS	10,288 28	0.06%	2.97%	7.36%	10.44%	0.0062%
ENSCO PLC-CL A	ESV	11,865 33	0.07%	5.69%	15.97%	22.11%	0.0152%
E*TRADE FINANCIAL CORP	ETFC	5,872 65	0.03%	0.00%	40.00%	40.00%	0.0136%
EATON CORP PLC	ETN	34,216 92	0.20%	2.65%	11.52%	14.32%	0.0283%
ENTERGY CORP	ETR	12,923.72	0.07%	4.62%	0.78%	5.41%	0.0040%
EDWARDS L FESCIENCES CORP	EW	8,479.75	0.05%	0.00%	14.76%	14.76%	0.0072%
EXELON CORP	EXC	30,903.49	0.18%	3.45%	2.64%	6.13%	0.0110%
EXPEDITORS INTL WASH NC	EXPD	7,909 90	0.05%	1.67%	11.90%	13.67%	0.0063%
EXPEDIA NC	EXPE	9,244 63	0.05%	0.85%	19.00%	19.93%	0.0107%
FORD MOTOR CO	F	62,479 88	0.36%	2.98%	9.68%	12.80%	0.0463%
FASTENAL CO	FAST	14,860 95	0.09%	2.07%	16.50%	18.75%	0.0161%
FACEBOOK NC-A	FB	153,260 38	0.89%	0.00%	31.50%	31.50%	0.2792%
FREEPORT-MCMORAN COPPER	FCX	34,278.18	0.20%	3.79%	7.00%	10.92%	0.0216%
FAMILY DOLLAR STORES	FDO	6,476 65	0.04%	1.96%	6.89%	8.91%	0.0033%
FEDEX CORP	FDX	39,058.40	0.23%	0.46%	14.10%	14.59%	0.0329%
F RSTENERGY CORP	FE	14,286.17	0.08%	4.23%	4.67%	9.00%	0.0074%
F5 NETWORKS NC	FFIV	8,127 52	0.05%	0.00%	16.07%	16.07%	0.0076%
F DELITY NATIONAL INFORMATIO	FIS	15,158 38	0.09%	1.76%	12.00%	13.87%	0.0122%
FISERV INC	FISV	14,304 69	0.08%	0.00%	9.45%	9.45%	0.0078%
F FTH THIRD BANCORP	FITB	18,418 91	0.11%	2.36%	17.60%	20.17%	0.0215%
FLIR SYSTEMS INC	FLIR	4,944 83	0.03%	1.21%	12.50%	13.79%	0.0039%
FLUOR CORP	FLR	12,131 04	0.07%	1.02%	12.60%	13.69%	0.0096%
FLOWSERVE CORP	FLS	10,480 34	0.06%	0.81%	14.87%	15.74%	0.0095%
FMC CORP	FMC	10,037.79	0.06%	0.75%	10.00%	10.79%	0.0063%
FOSSIL GROUP INC	FOSL	5,756.78	0.03%	0.00%	15.20%	15.20%	0.0051%
TWENTY-FIRST CENTURY FOX-A	FOXA	71,516.47	0.41%	0.80%	17.01%	17.87%	0.0739%
FOREST LABORATORIES INC	FRX	23,936 69	0.14%	0.00%	41.78%	41.78%	0.0578%
FIRST SOLAR INC	FSLR	6,645 32	0.04%	0.00%	-0.85%	-0 85%	-0.0003%
FMC TECHNOLOG ES INC	FTI	12,653.49	0.07%	0.00%	19.30%	19.30%	0.0141%
FRONTIER COMMUNICATIONS CORP	FTR	5,662.73	0.03%	7.08%	3.00%	10.19%	0.0033%
AGL RESOURCES INC	GAS	6,150 88	0.04%	3.77%	5.50%	9.37%	0.0033%
GANNETT CO	GCI	5,904 50	0.03%	3.60%	7.50%	11.24%	0.0038%
GENERAL DYNAMICS CORP	GD	36,714.10	0.21%	2.28%	6.96%	9.31%	0.0198%
GENERAL ELECTRIC CO	GE	258,845 52	1.50%	3.49%	9.02%	12.66%	0.1895%
GENERAL GROWTH PROPERTIES	GGP	19,829 93	0.11%	2.56%	8.32%	10.98%	0.0126%
GRAHAM HOLDINGS CO-CLASS B	GHC	4,890 52	N/A	N/A	N/A	N/A	N/A
GILEAD SCIENCES INC	GILD	104,835.47	0.61%	0.00%	25.71%	25.71%	0.1559%
GENERAL MILLS INC	GIS	31,492.73	0.18%	2.99%	8.02%	11.13%	0.0203%
CORNING INC	GLW	28,581 96	0.17%	2.10%	12.35%	14.58%	0.0241%
GENERAL MOTORS CO	GM	53,035 34	0.31%	3.19%	15.73%	19.18%	0.0588%
KEURIG GREEN MOUNTAIN NC	GMCR	15,757 34	0.09%	1.03%	19.00%	20.12%	0.0183%
GAMESTOP CORP-CLASS A	GME	4,779.43	0.03%	3.18%	12.63%	16.01%	0.0044%
GENWORTH FINANCIAL INC-CL A	GNW	7,980 21	0.05%	0.00%	5.00%	5.00%	0.0023%
GOOGLE NC-CL C	GOOG	364,964.49	2.11%	0.00%	19.53%	19.53%	0.4121%
GOOGLE NC-CL A	GOOGL	364,964.49	2.11%	0.00%	19.53%	19.53%	0.4121%
GENUINE PARTS CO	GPC	13,097 56	0.08%	2.70%	7.88%	10.69%	0.0081%
GAP INC/THE	GPS	17,144 34	0.10%	2.22%	13.11%	15.48%	0.0153%
GARMIN LTD	GRMN	10,817.17	0.06%	3.41%	5.71%	9.22%	0.0058%
GOLDMAN SACHS GROUP INC	GS	71,901.41	0.42%	1.49%	7.60%	9.14%	0.0380%
GOODYEAR TIRE & RUBBER CO	GT	6,461 32	0.04%	0.79%	8.95%	9.77%	0.0036%
WW GRAINGER INC	GWW	17,218.45	0.10%	1.59%	13.68%	15.38%	0.0153%
HALLIBURTON CO	HAL	50,626 21	0.29%	1.04%	20.42%	21.56%	0.0631%
HARMAN NTERNATIONAL	HAR	7,049 98	0.04%	1.15%	15.00%	16.24%	0.0066%
HASBRO INC	HAS	6,976 94	0.04%	3.20%	10.00%	13.36%	0.0054%
HUNTINGTON BANCSHARES INC	HBAN	7,972 67	0.05%	2.28%	5.65%	8.00%	0.0037%
HUDSON CITY BANCORP INC	HCBK	5,183.79	N/A	1.63%	N/A	N/A	N/A
HEALTH CARE REIT INC	HCN	18,243 60	0.11%	5.07%	5.60%	10.80%	0.0114%
HCP INC	HCP	18,885.11	0.11%	5.29%	4.06%	9.46%	0.0103%
HOME DEPOT INC	HD	103,824 89	0.60%	2.49%	15.95%	18.64%	0.1119%
HESS CORP	HES	27,130 82	0.16%	1.17%	6.31%	7.52%	0.0118%
HARTFORD FINANCIAL SVCS GRP	HIG	15,396 63	0.09%	1.88%	9.00%	10.97%	0.0098%
HARLEY-DAVIDSON INC	HOG	14,382.16	0.08%	1.48%	12.28%	13.85%	0.0115%
HONEYWELL INTERNATIONAL INC	HON	71,716 61	0.41%	1.99%	10.08%	12.17%	0.0505%
STARWOOD HOTELS & RESORTS	HOT	14,549 80	0.08%	1.87%	11.40%	13.38%	0.0113%
HELMERICH & PAYNE	HP	11,708 38	0.07%	2.09%	7.75%	9.92%	0.0067%
HEWLETT-PACKARD CO	HPQ	61,382 96	0 35%	1.86%	5.71%	7.63%	0.0271%
H&R BLOCK INC	HRB	7,721 96	0.04%	2.84%	11.00%	14.00%	0.0062%
HORMEL FOODS CORP	HRL	12,497 30	0.07%	1.68%	9.80%	11.56%	0.0084%

Company	Ticker	[4] Market Capitalization	[5] Weight in Index	[6] Estimated Dividend Yield	[7] Long-Term Growth Est.	[8] DCF Result	[9] Weighted DCF Result
HARRIS CORP	HRS	7,526 09	0.04%	2.39%	3.00%	5.42%	0.0024%
HOSPIRA INC	HSP	7,247 83	0.04%	0.00%	11.88%	11.88%	0.0050%
HOST HOTELS & RESORTS NC	HST	15,492 69	0.09%	2.96%	6.00%	9 05%	0.0081%
HERSHEY CO/THE	HSY	22,270 86	0.13%	2.01%	9.33%	11.44%	0.0147%
HUMANA NC	HUM	16,965 36	0.10%	1.03%	9.95%	11.03%	0.0108%
INTL BUSINESS MACHINES CORP	IBM	205,164 96	1.19%	2.04%	9.76%	11.90%	0.1411%
INTERCONT NENTALEXCHANGE GRO	ICE	22,301 94	0.13%	1.34%	19.81%	21.29%	0.0275%
INTL FLAVORS & FRAGRANCES	IFF	7,571 84	0.04%	1.79%	6.50%	8.34%	0.0037%
INTL GAME TECHNOLOGY	IGT	3,414 33	0.02%	3.05%	14.00%	17.26%	0.0034%
INTEL CORP	INTC	133,145.78	0.77%	3.32%	5.86%	9.28%	0.0715%
INTUIT INC	INTU	20,891 56	0.12%	1.00%	14.50%	15.57%	0.0188%
INTERNATIONAL PAPER CO	P	19,703 90	0.11%	3.16%	8.67%	11.97%	0.0136%
INTERPUBLIC GROUP OF COS NC	IPG	6,926 89	0.04%	2.27%	8.63%	11.00%	0.0044%
INGERSOLL-RAND PLC	IR	15,450.44	0.09%	1.83%	12.07%	14.01%	0.0125%
IRON MOUNTAIN INC	IRM	5,041 64	0.03%	5.04%	13.50%	18.88%	0.0055%
INTUITIVE SURGICAL INC	ISRG	15,989.19	N/A	N/A	8.45%	N/A	N/A
ILLINOIS TOOL WORKS	ITW	34,495 02	0.20%	2.02%	17.24%	19.43%	0.0388%
INVESCO LTD	IVZ	14,943.79	0.09%	2.87%	13.67%	16.74%	0.0145%
JAB L C RCUIT INC	JBL	3,526.75	0.02%	1.87%	6.17%	8 09%	0.0017%
JOHNSON CONTROLS INC	JCI	30,518.74	0.18%	1.88%	13.45%	15.46%	0.0273%
JACOBS ENG NEERING GROUP INC	JEC	8,191 26	0.05%	0.00%	14.33%	14.33%	0.0068%
JOHNSON & JOHNSON	JNJ	280,569.74	1.62%	2.84%	7.11%	10.05%	0.1630%
JUNIPER NETWORKS INC	JNPR	11,781.45	0.07%	0.36%	10.90%	11.28%	0.0077%
JOY GLOBAL INC	JOY	6,080 28	0.04%	1.15%	15.00%	16.24%	0.0057%
JPMORGAN CHASE & CO	JPM	207,423 03	1.20%	2.89%	4.05%	7.00%	0.0840%
NORDSTROM INC	JWN	11,567.46	0.07%	2.04%	10.44%	12.59%	0.0084%
KELLOGG CO	K	23,422 91	0.14%	2.90%	7.00%	10.00%	0.0135%
KEYCORP	KEY	11,834 85	0.07%	1.97%	5.20%	7.22%	0.0049%
KIMCO REALTY CORP	KIM	9,092.44	0.05%	4.06%	3.83%	7.97%	0.0042%
KLA-TENCOR CORPORATION	KLAC	11,019 08	0.06%	2.71%	16.44%	19.38%	0.0123%
KIMBERLY-CLARK CORP	KMB	41,863 53	0.24%	3.03%	7.46%	10.60%	0.0256%
KINDER MORGAN INC	KMI	33,817 57	N/A	5.23%	N/A	N/A	N/A
CARMAX INC	KMX	9,681 21	N/A	N/A	14.51%	N/A	N/A
COCA-COLA CO/THE	KO	177,028.79	1.02%	2.95%	7.13%	10.19%	0.1043%
MICHAEL KORS HOLD NGS LTD	KORS	18,224 94	0.11%	0.00%	23.88%	23.88%	0.0252%
KROGER CO	KR	22,483 90	0.13%	1.56%	10.18%	11.83%	0.0154%
KRAFT FOODS GROUP INC	KRFT	33,472 26	0.19%	3.82%	9.65%	13.65%	0.0264%
KOHLS CORP	KSS	11,351.79	0.07%	2.86%	9.77%	12.77%	0.0084%
KANSAS CITY SOUTHERN	KSU	10,941.16	0.06%	1.04%	16.50%	17.62%	0.0111%
LOEWS CORP	L	16,955 94	N/A	0.57%	N/A	N/A	N/A
L BRANDS INC	LB	15,755 50	0.09%	3.14%	11.44%	14.76%	0.0134%
LEGGETT & PLATT INC	LEG	4,506.73	0.03%	3.69%	15.00%	18.97%	0.0049%
LENNAR CORP-A	LEN	7,729 00	0.04%	0.36%	7.55%	7.92%	0.0035%
LABORATORY CRP OF AMER HLDGS	LH	8,634.43	0.05%	0.00%	10.27%	10.27%	0.0051%
L-3 COMMUNICATIONS HOLDINGS	LLL	10,077 89	0.06%	1.95%	3.65%	5.63%	0.0033%
LINEAR TECHNOLOGY CORP	LLTC	11,118 95	0.06%	2.24%	10.05%	12.40%	0.0080%
ELI LILLY & CO	LLY	66,535 98	0.38%	3.30%	1.40%	4.72%	0.0182%
LEGG MASON INC	LM	5,310 86	0.03%	1.14%	20.35%	21.61%	0.0066%
LOCKHEED MART N CORP	LMT	50,589 91	0.29%	3.48%	7.46%	11.07%	0.0324%
LINCOLN NATIONAL CORP	LNC	12,167 33	0.07%	1.39%	10.18%	11.64%	0.0082%
LORILLARD NC	LO	19,163 64	0.11%	4.64%	10.80%	15.69%	0.0174%
LOWE'S COS INC	LOW	47,587 05	0.28%	1.64%	16.59%	18.36%	0.0505%
LAM RESEARCH CORP	LRCX	8,500 31	0.05%	0.00%	27.26%	27.26%	0.0134%
LSI CORP	LSI	6,186 29	N/A	0.54%	N/A	N/A	N/A
LEUCADIA NATIONAL CORP	LUK	9,375 50	N/A	N/A	N/A	N/A	N/A
SOUTHWEST A RLINES CO	LUV	15,973 24	0.09%	0.67%	15.26%	15.98%	0.0148%
LYONDELLBASELL INDU-CL A	LYB	48,623 38	0.28%	2.28%	6.50%	8.85%	0.0249%
MACY'S NC	M	21,248 30	0.12%	1.83%	10.62%	12.54%	0.0154%
MASTERCARD INC-CLASS A	MA	85,608 92	0.50%	0.58%	17.72%	18.35%	0.0908%
MACERICH CO/THE	MAC	9,135 96	0.05%	3.87%	5.73%	9.71%	0.0051%
MARRIOTT INTERNATIONAL -CL A	MAR	16,619 55	0.10%	1.25%	12.68%	14.01%	0.0135%
MASCO CORP	MAS	7,672 32	0.04%	1.45%	13.63%	15.17%	0.0067%
MATTEL INC	MAT	13,067 00	0.08%	3.92%	10.00%	14.12%	0.0107%
MCDONALD'S CORP	MCD	99,716 90	0.58%	3.29%	8.96%	12.39%	0.0714%
MICROCHIP TECHNOLOGY INC	MCHP	9,393.17	0.05%	2.95%	12.35%	15.49%	0.0084%
MCKESSON CORP	MCK	38,732 64	0.22%	0.54%	14.38%	14.97%	0.0335%
MOODY'S CORP	MCO	16,158 20	0.09%	1.49%	13.50%	15.09%	0.0141%
MONDELEZ NTERNATIONAL INC-A	MDLZ	58,201.79	0.34%	1.72%	12.29%	14.12%	0.0475%
MEDTRONIC INC	MDT	58,097 30	0.34%	1.93%	7.16%	9.15%	0.0307%
METLIFE INC	MET	56,202.18	0.32%	2.49%	7.70%	10.28%	0.0334%
MCGRAW HILL F NANCIAL INC	MHFI	20,080.18	0.12%	1.64%	12.50%	14.24%	0.0165%
MOHAWK INDUSTR ES INC	MHK	9,823 27	N/A	N/A	40.00%	N/A	N/A
MEAD JOHNSON NUTRITION CO	MJN	16,612 33	0.10%	1.84%	10.80%	12.74%	0.0122%
MCCORMICK & CO-NON VTG SHRS	MKC	9,260 04	0.05%	2.10%	6.30%	8.46%	0.0045%
MARSH & MCLENNAN COS	MMC	26,254 50	0.15%	2.22%	11.43%	13.78%	0.0209%
3M CO	MMM	88,205 53	0.51%	2.56%	9.90%	12.59%	0.0642%
MONSTER BEVERAGE CORP	MNST	10,658.44	0.06%	0.00%	15.33%	15.33%	0.0094%
ALTRIA GROUP INC	MO	75,960.77	0.44%	5.26%	7.07%	12.52%	0.0550%
MONSANTO CO	MON	57,989 02	0.34%	1.52%	13.50%	15.12%	0.0507%
MOSAIC CO/THE	MOS	19,292.40	0.11%	2.10%	1.67%	3.78%	0.0042%

Company	Ticker	[4] Market Capitalization	[5] Weight in Index	[6] Estimated Dividend Yield	[7] Long-Term Growth Est.	[8] DCF Result	[9] Weighted DCF Result
MARATHON PETROLEUM CORP	MPC	25,355.43	0.15%	1.99%	11.26%	13.36%	0.0196%
MERCK & CO. INC.	MRK	164,206 57	0.95%	3.12%	3.53%	6.70%	0.0636%
MARATHON OIL CORP	MRO	25,020 31	0.14%	2.13%	9.00%	11.22%	0.0162%
MORGAN STANLEY	MS	58,285 67	0.34%	1.06%	16.64%	17.79%	0.0599%
MICROSOFT CORP	MSFT	329,953.77	1.91%	2.70%	9.04%	11.86%	0.2263%
MOTOROLA SOLUTIONS INC	MSI	16,101 36	0.09%	2.08%	7.00%	9.15%	0.0085%
M & T BANK CORP	MTB	15,790 33	0.09%	2.33%	6.72%	9.13%	0.0083%
MICRON TECHNOLOGY INC	MU	23,730 31	0.14%	0.00%	10.94%	10.94%	0.0150%
MURPHY O L CORP	MUR	11,053 21	0.06%	2.10%	10.77%	12.98%	0.0083%
MEADWESTVACO CORP	MWV	6,365.19	0.04%	4.14%	8.55%	12.87%	0.0047%
MYLAN INC	MYL	17,193 52	0.10%	0.00%	12.39%	12.39%	0.0123%
NOBLE ENERGY NC	NBL	25,912.76	0.15%	0.79%	13.17%	14.01%	0.0210%
NABORS INDUSTRIES LTD	NBR	7,089 52	0.04%	0.67%	22.00%	22.74%	0.0093%
NASDAQ OMX GROUP/THE	NDAQ	5,801 38	0.03%	1.66%	12.77%	14.54%	0.0049%
NOBLE CORP PLC	NE	7,827.48	0.05%	4.98%	13.67%	18.99%	0.0086%
NEXTERA ENERGY INC	NEE	42,408.17	0.25%	2.96%	6.42%	9.47%	0.0232%
NEWMONT MINING CORP	NEM	11,870 54	0.07%	1.66%	-2.30%	-0 66%	-0.0005%
NETFLIX INC	NFLX	19,513 31	0.11%	0.00%	36.20%	36.20%	0.0408%
NEWFIELD EXPLORATION CO	NFX	4,466.75	0.03%	0.00%	11.00%	11.00%	0.0028%
NISOURCE INC	NI	11,202 26	0.06%	2.88%	5.45%	8.41%	0.0054%
NIKE INC -CL B	NKE	63,471 87	0.37%	1.27%	12.73%	14.08%	0.0517%
NIELSEN HOLDINGS NV	NLSN	16,509 21	0.10%	1.90%	15.33%	17.38%	0.0166%
NORTHROP GRUMMAN CORP	NOC	25,667.49	0.15%	2.14%	7.01%	9.23%	0.0137%
NATIONAL OILWELL VARCO INC	NOV	34,612 66	0.20%	1.70%	11.13%	12.93%	0.0259%
NRG ENERGY INC	NRG	10,526 52	0.06%	1.64%	75.85%	78.11%	0.0475%
NORFOLK SOUTHERN CORP	NSC	29,264 98	0.17%	2.29%	14.36%	16.82%	0.0285%
NETAPP INC	NTAP	12,255 53	0.07%	1.62%	13.00%	14.72%	0.0104%
NORTHERN TRUST CORP	NTRS	14,150.78	0.08%	2.18%	13.54%	15.86%	0.0130%
NORTHEAST UTILITIES	NU	14,619 98	0.08%	3.39%	6.70%	10.21%	0.0086%
NUCOR CORP	NUE	16,458 03	0.10%	2.87%	7.33%	10.30%	0.0098%
NVIDIA CORP	NVDA	10,282 29	0.06%	1.83%	9.98%	11.90%	0.0071%
NEWELL RUBBERMAID NC	NWL	8,057 83	0.05%	2.20%	9.88%	12.19%	0.0057%
NEWS CORP - CLASS A	NWSA	9,561.17	0.06%	0.81%	6.00%	6 84%	0.0038%
OWENS-ILLINOIS INC	OI	5,446 96	0.03%	0.00%	9.90%	9.90%	0.0031%
ONEOK INC	OKE	12,349 29	0.07%	3.86%	18.05%	22.26%	0.0159%
OMNICOM GROUP	OMC	18,033 89	0.10%	2.42%	8.00%	10.52%	0.0110%
ORACLE CORP	ORCL	177,151 54	1.02%	1.20%	10.10%	11.36%	0.1164%
O'REILLY AUTOMOTIVE NC	ORLY	15,199 01	0.09%	0.00%	15.80%	15.80%	0.0139%
OCCIDENTAL PETROLEUM CORP	OXY	74,981 29	0.43%	3.02%	6.21%	9.32%	0.0404%
PAYCHEX INC	PAYX	14,796 91	0.09%	3.37%	9.14%	12.66%	0.0108%
PEOPLE'S UNITED FINANCIAL	PBCT	4,600.74	0.03%	4.40%	13.45%	18.15%	0.0048%
PITNEY BOWES INC	PBI	4,982.17	0.03%	3.05%	13.00%	16.25%	0.0047%
PACCAR NC	PCAR	22,892.18	0.13%	2.33%	11.00%	13.46%	0.0178%
P G & E CORP	PCG	20,930 53	0.12%	4.06%	5.91%	10.09%	0.0122%
PLUM CREEK T MBER CO	PCL	7,331.73	0.04%	4.29%	5.00%	9.40%	0.0040%
PRICELINE GROUP INC/THE	PCLN	60,993 51	0.35%	0.00%	23.12%	23.12%	0.0815%
PRECISION CASTPARTS CORP	PCP	35,814 62	0.21%	0.05%	13.50%	13.55%	0.0281%
PATTERSON COS INC	PDCO	4,299 26	0.02%	1.64%	9.76%	11.48%	0.0029%
PUBLIC SERVICE ENTERPRISE GP	PEG	20,039 07	0.12%	3.74%	3.67%	7.47%	0.0087%
PEPSICO INC	PEP	128,974.49	0.75%	3.02%	7.71%	10.85%	0.0809%
PETSMART INC	PETM	6,571 39	0.04%	1.25%	12.95%	14.28%	0.0054%
PFIZER NC	PFE	191,102 58	1.10%	3.48%	4.33%	7.88%	0.0871%
PRINCIPAL FINANCIAL GROUP	PFG	13,045.79	0.08%	2.60%	11.50%	14.25%	0.0108%
PROCTER & GAMBLE CO/THE	PG	219,190 24	1.27%	3.03%	8.66%	11.82%	0.1498%
PROGRESSIVE CORP	PGR	14,161 84	0.08%	3.16%	8.25%	11.54%	0.0095%
PARKER HANN FIN CORP	PH	18,084 85	0.10%	1.51%	10.95%	12.54%	0.0131%
PULTEGROUP INC	PHM	7,123 98	0.04%	1.20%	17.75%	19.06%	0.0079%
PERKINELMER INC	PKI	4,968 94	0.03%	0.64%	12.83%	13.50%	0.0039%
PROLOGIS INC	PLD	20,340 80	0.12%	3.13%	5.31%	8.52%	0.0100%
PALL CORP	PLL	9,356.19	0.05%	1.23%	11.23%	12.52%	0.0068%
PHILIP MORRIS INTERNATIONAL	PM	133,354.72	0.77%	4.39%	8.12%	12.69%	0.0979%
PNC FINANCIAL SERVICES GROUP	PNC	43,873.41	0.25%	2.30%	7.70%	10.09%	0.0256%
PENTAIR LTD-REGISTERED	PNR	15,179.11	0 09%	1.36%	15.50%	16.97%	0.0149%
PINNACLE WEST CAPITAL	PNW	6,138 89	0.04%	4.14%	4.39%	8 62%	0.0031%
PEPCO HOLDINGS INC	POM	5,362.70	0.03%	5.05%	6.37%	11.58%	0.0036%
PPG INDUSTRIES INC	PPG	26,144.47	0.15%	1.34%	7.68%	9.07%	0.0137%
PPL CORPORATION	PPL	20,952 56	0.12%	4.49%	3.56%	8.13%	0.0099%
PERRIGO CO PLC	PRGO	18,843 69	0.11%	0.27%	15.05%	15.34%	0.0167%
PRUDENTIAL F NANCIAL INC	PRU	36,396.43	0.21%	2.64%	10.67%	13.45%	0.0283%
PUBLIC STORAGE	PSA	29,415.43	0.17%	3.32%	4.94%	8.34%	0.0142%
PHILLIPS 66	PSX	44,627.16	0.26%	2.05%	6.53%	8.65%	0.0223%
PVH CORP	PVH	10,024 81	0.06%	0.12%	12.71%	12.84%	0.0074%
QUANTA SERVICES INC	PWR	7,515 84	N/A	N/A	11.30%	N/A	N/A
PRAXA R INC	PX	37,910.19	0.22%	2.01%	9.59%	11.69%	0.0256%
PIONEER NATURAL RESOURCES CO	PXD	27,975 93	0.16%	0.03%	36.98%	37.02%	0.0599%
QUALCOMM NC	QCOM	134,423 94	0.78%	1.83%	13.57%	15.52%	0.1207%
QEP RESOURCES INC	QEP	5,634 61	0 03%	0.26%	15.00%	15.27%	0.0050%
RYDER SYSTEM INC	R	4,194.78	0 02%	1.71%	13.00%	14.82%	0.0036%
REYNOLDS AMERICAN INC	RAI	29,221 89	0.17%	4.94%	6.58%	11.68%	0.0197%
ROWAN COMPANIES PLC-A	RDC	3,812 26	0.02%	0.79%	18.15%	19.01%	0.0042%

Company	Ticker	[4] Market Capitalization	[5] Weight in Index	[6] Estimated Dividend Yield	[7] Long-Term Growth Est.	[8] DCF Result	[9] Weighted DCF Result
REGENERON PHARMACEUTICALS	REGN	28,640 52	0.17%	0.00%	28.83%	28.83%	0.0477%
REGIONS FINANCIAL CORP	RF	14,157 57	0.08%	1.76%	7.96%	9 80%	0.0080%
ROBERT HALF INTL INC	RHI	5,527 92	0.03%	1.73%	17.11%	18.98%	0.0061%
RED HAT INC	RHT	9,495 87	0.05%	0.00%	16.48%	16.48%	0.0090%
TRANSOCEAN LTD	RIG	15,018 27	0.09%	6.92%	15.50%	22.95%	0.0199%
RALPH LAUREN CORP	RL	14,033.48	0.08%	1.10%	12.57%	13.73%	0.0111%
ROCKWELL AUTOMATION INC	ROK	16,990 99	0.10%	1.84%	10.73%	12.67%	0.0124%
ROPER NDUSTRIES NC	ROP	12,840 68	0.07%	0.61%	15.00%	15.65%	0.0116%
ROSS STORES INC	ROST	14,686 33	0.08%	1.10%	11.60%	12.76%	0.0108%
RANGE RESOURCES CORP	RRC	14,630 27	0.08%	0.18%	25.50%	25.70%	0.0217%
REPUBLIC SERVICES NC	RSG	12,328.77	0.07%	3.05%	4.30%	7.42%	0.0053%
RAYTHEON COMPANY	RTN	30,796.72	0.18%	2.43%	9.61%	12.16%	0.0217%
STARBUCKS CORP	SBUX	52,073 95	0.30%	1.55%	17.95%	19.64%	0.0591%
SCANA CORP	SCG	7,452 51	0.04%	3.95%	5.00%	9.05%	0.0039%
SCHWAB (CHARLES) CORP	SCHW	33,954 92	0.20%	0.92%	21.80%	22.82%	0.0448%
SPECTRA ENERGY CORP	SE	26,002 65	0.15%	3.48%	5.50%	9.07%	0.0136%
SEALED AIR CORP	SEE	6,827 62	0.04%	1.59%	12.47%	14.16%	0.0056%
SHERWIN-WILLIAMS CO/THE	SHW	19,177 95	0.11%	1.13%	13.50%	14.71%	0.0163%
SIGMA-ALDRICH	SIAL	11,036.48	0.06%	0.98%	7.13%	8.14%	0.0052%
JM SMUCKER CO/THE	SJM	9,858.74	0.06%	2.44%	7.03%	9.56%	0.0054%
SCHLUMBERGER LTD	SLB	130,787.74	0.76%	1.51%	14.86%	16.49%	0.1247%
SLM CORP	SLM	10,657.44	N/A	2.56%	N/A	N/A	N/A
SNAP-ON INC	SNA	6,444 36	0.04%	1.53%	7.25%	8.84%	0.0033%
SANDISK CORP	SNDK	16,989.73	0.10%	1.19%	7.25%	8.49%	0.0083%
SCRIPPS NETWORKS NTER-CL A	SNI	10,678 02	0.06%	1.09%	12.05%	13.21%	0.0082%
SOUTHERN CO/THE	SO	40,339.49	0.23%	4.61%	4.05%	8.75%	0.0204%
SIMON PROPERTY GROUP NC	SPG	53,409 04	0.31%	2.99%	6.80%	9.89%	0.0306%
STAPLES NC	SPLS	7,815 29	0 05%	4.06%	5.64%	9.81%	0.0044%
STERICYCLE INC	SRCL	9,353.19	N/A	N/A	16.00%	N/A	N/A
SEMPRA ENERGY	SRE	23,742 93	0.14%	2.72%	6.86%	9.66%	0.0133%
SUNTRUST BANKS NC	STI	20,338 92	0.12%	1.71%	7.88%	9.65%	0.0114%
ST JUDE MEDICAL INC	STJ	17,948 36	0.10%	1.72%	10.86%	12.67%	0.0132%
STATE STREET CORP	STT	27,752 30	0.16%	1.82%	12.20%	14.13%	0.0227%
SEAGATE TECHNOLOGY	STX	18,042 08	0.10%	3.03%	7.80%	10.95%	0.0114%
CONSTELLATION BRANDS INC-A	STZ	14,811 62	0.09%	0.00%	18.51%	18.51%	0.0159%
STANLEY BLACK & DECKER INC	SWK	12,493 50	0.07%	2.54%	9.07%	11.73%	0.0085%
SOUTHWESTERN ENERGY CO	SWN	16,724 20	0.10%	0.00%	18.30%	18.30%	0.0177%
SAFEWAY NC	SWY	7,873 96	0.05%	2.38%	10.46%	12.97%	0.0059%
STRYKER CORP	SYK	30,093 37	0.17%	1.50%	9.10%	10.67%	0.0186%
SYMANTEC CORP	SYMC	14,356 67	0.08%	2.89%	7.68%	10.68%	0.0089%
SYSCO CORP	SYY	20,918.44	0.12%	3.26%	9.00%	12.40%	0.0150%
AT&T INC	T	185,780 39	1.07%	5.18%	4.75%	10.05%	0.1080%
MOLSON COORS BREWING CO -B	TAP	10,534 94	0.06%	2.55%	5.80%	8.42%	0.0051%
TERADATA CORP	TDC	7,463.73	0.04%	0.00%	11.36%	11.36%	0.0049%
TECO ENERGY NC	TE	3,971.16	0.02%	4.88%	4.50%	9.49%	0.0022%
INTEGRYS ENERGY GROUP INC	TEG	4,915 33	0.03%	4.42%	5.00%	9.54%	0.0027%
TE CONNECTIVITY LTD	TEL	24,498.40	0.14%	1.73%	9.40%	11.21%	0.0159%
TARGET CORP	TGT	37,661 23	0.22%	3.00%	10.60%	13.76%	0.0300%
TENET HEALTHCARE CORP	THC	3,848 26	0.02%	0.00%	12.87%	12.87%	0.0029%
TIFFANY & CO	TIF	11,084 54	0.06%	1.71%	14.24%	16.08%	0.0103%
TJX COMPANIES NC	TJX	41,292.13	0.24%	1.13%	10.81%	12.00%	0.0286%
TORCHMARK CORP	TMK	6,822 25	0.04%	0.96%	8.50%	9.50%	0.0037%
THERMO FISHER SCIENTIFIC INC	TMO	46,935 09	0.27%	0.53%	13.71%	14.27%	0.0387%
TRIPADVISOR INC	TRIP	11,833 80	N/A	N/A	24.50%	N/A	N/A
T ROWE PRICE GROUP INC	TROW	20,810.16	0.12%	2.13%	12.75%	15.01%	0.0181%
TRAVELERS COS INC/THE	TRV	29,843.43	0.17%	2.40%	8.33%	10.83%	0.0187%
TRACTOR SUPPLY COMPANY	TSCO	9,255 37	0.05%	0.81%	16.98%	17.86%	0.0096%
TYSON FOODS NC-CL A	TSN	14,441.73	0.08%	0.67%	8.00%	8.70%	0.0073%
TESORO CORP	TSO	6,713 90	0.04%	2.05%	97.61%	100.67%	0.0391%
TOTAL SYSTEM SERVICES INC	TSS	5,442 25	0.03%	1.38%	11.14%	12.60%	0.0040%
T ME WARNER CABLE	TWC	37,214 53	0.22%	2.23%	12.05%	14.41%	0.0310%
T ME WARNER INC	TWX	56,487 60	0.33%	2.00%	12.56%	14.68%	0.0480%
TEXAS NSTRUMENTS INC	TXN	49,667 84	0.29%	2.61%	10.00%	12.74%	0.0366%
TEXTRON INC	TXT	10,500 89	0.06%	0.27%	16.77%	17.06%	0.0104%
TYCO INTERNATIONAL LTD	TYC	18,835 82	0.11%	1.63%	10.50%	12.22%	0.0133%
UNITEDHEALTH GROUP INC	UNH	78,650 64	0.45%	1.44%	10.40%	11.91%	0.0542%
UNUM GROUP	UNM	8,585 98	0.05%	1.87%	9.00%	10.96%	0.0054%
UNION PACIFIC CORP	UNP	84,089 50	0.49%	1.88%	17.52%	19.57%	0.0952%
UNITED PARCEL SERVICE-CL B	UPS	88,054 57	0.51%	2.77%	10.18%	13.09%	0.0666%
URBAN OUTFITTERS INC	URBN	5,214 31	0.03%	0.00%	16.74%	16.74%	0.0050%
US BANCORP	USB	74,640.47	0.43%	2.29%	7.50%	9.87%	0.0426%
UNITED TECHNOLOGIES CORP	UTX	106,160 87	0.61%	2.08%	11.24%	13.43%	0.0824%
VISA INC-CLASS A SHARES	V	129,226.17	0.75%	0.78%	17.64%	18.48%	0.1381%
VARIAN MEDICAL SYSTEMS INC	VAR	8,497 56	0.05%	0.00%	11.00%	11.00%	0.0054%
VF CORP	VFC	26,056 56	0.15%	1.82%	12.23%	14.16%	0.0213%
VIACOM INC-CLASS B	VIAB	36,028 55	0.21%	1.50%	10.86%	12.44%	0.0259%
VALERO ENERGY CORP	VLO	28,537 04	0.17%	1.84%	8.36%	10.28%	0.0170%
VULCAN MATERIALS CO	VMC	8,319 60	0.05%	0.16%	6.67%	6.83%	0.0033%
VORNADO REALTY TRUST	VNO	18,588 60	0.11%	2.97%	10.59%	13.72%	0.0147%
VERISIGN NC	VRSN	6,567 54	0.04%	0.00%	12.50%	12.50%	0.0047%

Company	Ticker	[4] Market Capitalization	[5] Weight in Index	[6] Estimated Dividend Yield	[7] Long-Term Growth Est.	[8] DCF Result	[9] Weighted DCF Result
VERTEX PHARMACEUTICALS INC	VRTX	14,934.12	0.09%	0.00%	22.00%	22.00%	0.0190%
VENTAS NC	VTR	19,425 63	0.11%	4.44%	3.95%	8.47%	0.0095%
VERIZON COMMUNICATIONS NC	VZ	194,248 80	1.12%	4.57%	5.52%	10.21%	0.1147%
WALGREEN CO	WAG	62,995.40	0.36%	1.89%	14.00%	16.03%	0.0584%
WATERS CORP	WAT	9,294 34	0.05%	0.00%	10.53%	10.53%	0.0057%
WESTERN DIGITAL CORP	WDC	21,114.70	0.12%	1.22%	5.59%	6.84%	0.0084%
WISCONSIN ENERGY CORP	WEC	10,857.19	0.06%	3.25%	4.67%	8.00%	0.0050%
WELLS FARGO & CO	WFC	256,860 85	1.49%	2.70%	12.92%	15.79%	0.2345%
WHOLE FOODS MARKET INC	WFM	18,187.47	0.11%	0.98%	16.50%	17.56%	0.0185%
WHIRLPOOL CORP	WHR	11,735 32	0.07%	1.74%	21.02%	22.94%	0.0156%
WINDSTREAM HOLDINGS INC	W N	5,297 67	0.03%	11.38%	-2.50%	8.73%	0.0027%
WELLPOINT INC	WLP	27,169 04	0.16%	1.81%	9.26%	11.16%	0.0175%
WASTE MANAGEMENT INC	WM	19,258 95	0.11%	3.61%	6.33%	10.06%	0.0112%
WILLIAMS COS NC	WMB	27,896 53	0.16%	4.28%	11.50%	16.03%	0.0259%
WAL-MART STORES INC	WMT	248,259 00	1.44%	2.62%	8.62%	11.35%	0.1629%
WESTERN UNION CO	WU	8,486 96	0.05%	3.65%	8.80%	12.61%	0.0062%
WEYERHAEUSER CO	WY	16,207.11	0.09%	3.18%	5.50%	8.77%	0.0082%
WYNDHAM WORLDWIDE CORP	WYN	8,988.46	N/A	1.99%	N/A	N/A	N/A
WYNN RESORTS LTD	WYNN	20,536 99	0.12%	2.47%	15.57%	18.23%	0.0216%
UNITED STATES STEEL CORP	X	3,921 03	0.02%	0.74%	6.00%	6.76%	0.0015%
XCEL ENERGY INC	XEL	15,742.73	0.09%	3.71%	4.75%	8.55%	0.0078%
XL GROUP PLC	XL	8,669.70	0.05%	1.90%	9.61%	11.59%	0.0058%
XILINX INC	XLNX	13,836.42	0.08%	1.73%	10.25%	12.07%	0.0097%
EXXON MOBIL CORP	XOM	425,343 57	2.46%	2.67%	12.04%	14.87%	0.3658%
DENTSPLY NTERNATIONAL INC	XRAY	6,330 37	0.04%	0.59%	10.37%	10.99%	0.0040%
XEROX CORP	XRX	13,217 39	0.08%	1.63%	10.00%	11.71%	0.0089%
XYLEM INC	XYL	6,456.74	0.04%	1.46%	6.00%	7.51%	0.0028%
YAHOO! INC	YHOO	34,531 31	0.20%	0.00%	12.37%	12.37%	0.0247%
YUM! BRANDS NC	YUM	33,353 28	0.19%	2.01%	12.44%	14.58%	0.0281%
ZIONS BANCORPORATION	ZION	5,468.46	0.03%	0.67%	7.67%	8.36%	0.0026%
Z MMER HOLDINGS INC	ZMH	15,611 87	0.09%	0.88%	10.67%	11.60%	0.0105%
ZOETIS INC	ZTS	14,295 83	0 08%	1.05%	12.20%	13.31%	0.0110%
Total Market Capitalization:		17,294,635 59					13 91%

Notes:
[1] Equals sum of Col. [9]
[2] Source: Bloomberg Professional
[3] Equals [1] − [2]
[4] Source: Bloomberg Professional
[5] Equals weight in S&P 500 based on market capitalization
[6] Source: Bloomberg Professional
[7] Source: Bloomberg Professional
[8] Equals ([6] x (1 + (0.5 x [7]))) + [7]
[9] Equals Col. [5] x Col. [8]

Ex-Ante Market Risk Premium
Market DCF Method Based - Value Line

[1]	[2]	[3]
S&P 500 Est. Required Market Return	Current 30-Year Treasury (30-day average)	Implied Market Risk Premium
12.31%	3.60%	8.71%

Company	Ticker	[4] Market Capitalization	[5] Weight in Index	[6] Estimated Dividend Yield	[7] Long-Term Growth Est.	[8] DCF Result	[9] Weighted DCF Result
AGILENT TECHNOLOGIES NC	A	18,431.46	0.11%	0.96%	7.50%	8 50%	0.0091%
ALCOA NC	AA	15,903 52	0.09%	0.88%	17.00%	17.95%	0.0166%
APPLE INC	AAPL	506,704.70	2.94%	2.15%	12.50%	14.78%	0.4350%
ABBVIE INC	ABBV	78,288 59	0.45%	3.41%	0.00%	3.41%	0.0155%
AMERISOURCEBERGEN CORP	ABC	14,956 63	0.09%	1.45%	13.50%	15.05%	0.0131%
ABBOTT LABORATORIES	ABT	59,419 89	0.35%	2.29%	-4.00%	-1.76%	-0.0061%
ACE LTD	ACE	34,727 84	0.20%	2.47%	9.00%	11.58%	0.0234%
ACCENTURE PLC-CL A	CAM	15,477 93	0.09%	0.00%	16.00%	16.00%	0.0144%
ACTAVIS PLC	ACT	27,071 37	0.16%	0.00%	24.50%	24.50%	0.0385%
ADOBE SYSTEMS INC	ADBE	31,515 23	0.18%	0.00%	12.00%	12.00%	0.0220%
ANALOG DEVICES INC	ADI	16,782.70	0.10%	2.76%	11.00%	13.91%	0.0136%
ARCHER-DANIELS-M DLAND CO	ADM	29,411.17	0.17%	2.15%	9.00%	11.25%	0.0192%
AUTOMATIC DATA PROCESSING	ADP	36,884 87	0.21%	2.58%	9.00%	11.70%	0.0251%
ALLIANCE DATA SYSTEMS CORP	ADS	11,743.11	0.07%	0.00%	15.00%	15.00%	0.0102%
AUTODESK INC	ADSK	10,765 63	0.06%	0.00%	8.00%	8.00%	0.0050%
ADT CORP/THE	ADT	5,430.11	0.03%	2.70%	0.00%	2.70%	0.0009%
AMEREN CORPORATION	AEE	9,977.11	0.06%	3.92%	2.50%	6.47%	0.0037%
AMERICAN ELECTRIC POWER	AEP	25,525 37	0.15%	3.90%	4.50%	8.49%	0.0126%
AES CORP	AES	10,445 33	0.06%	1.38%	10.50%	11.95%	0.0072%
AETNA INC	AET	26,426.11	0.15%	1.23%	10.50%	11.79%	0.0181%
AFLAC INC	AFL	28,557.11	0.17%	2.45%	7.50%	10.04%	0.0167%
ALLERGAN INC	AGN	49,584.13	0.29%	0.12%	13.50%	13.63%	0.0392%
AMERICAN INTERNATIONAL GROUP	AIG	77,283 28	0.45%	0.95%	0.00%	0.95%	0.0043%
APARTMENT NVT & MGMT CO -A	AIV	-	0.00%	3.41%	0.00%	3.41%	0.0000%
ASSURANT INC	AIZ	4,924 84	0.03%	1.49%	7.50%	9.05%	0.0026%
AKAMAI TECHNOLOGIES INC	AKAM	9,527 24	0.06%	0.00%	13.50%	13.50%	0.0075%
ALLSTATE CORP	ALL	25,323 60	0.15%	1.99%	16.00%	18.15%	0.0267%
ALLEGION PLC	ALLE	4,964 36	0.03%	0.62%	0.00%	0.62%	0.0002%
ALTERA CORP	ALTR	10,962 53	0.06%	1.76%	0.00%	1.76%	0.0011%
ALEXION PHARMACEUTICALS INC	ALXN	30,727.11	0.18%	0.00%	31.50%	31.50%	0.0562%
APPLIED MATERIALS INC	AMAT	23,457 07	0.14%	2.07%	17.00%	19.25%	0.0262%
AMETEK INC	AME	12,707 58	0.07%	0.46%	10.50%	10.98%	0.0081%
AMGEN INC	AMGN	85,813.11	0.50%	2.18%	8.50%	10.77%	0.0537%
AMER PRISE F NANCIAL INC	AMP	20,666 05	0.12%	1.97%	13.50%	15.60%	0.0187%
AMERICAN TOWER CORP	AMT	32,967 26	0.19%	1.58%	16.50%	18.21%	0.0349%
AMAZON.COM INC	AMZN	154,414.70	0.90%	0.00%	45.00%	45.00%	0.4035%
AUTONATION INC	AN	6,364 02	0.04%	0.00%	12.50%	12.50%	0.0046%
AON PLC	AON	24,743.14	0.14%	0.85%	15.50%	16.42%	0.0236%
APACHE CORP	APA	34,836 21	0.20%	1.14%	8.00%	9.19%	0.0186%
ANADARKO PETROLEUM CORP	APC	50,468 21	0.29%	0.72%	74.50%	75.49%	0.2212%
AIR PRODUCTS & CHEMICALS INC	APD	25,072 55	0.15%	2.60%	9.00%	11.72%	0.0171%
AMPHENOL CORP-CL A	APH	15,238.40	0.09%	0.83%	8.00%	8.86%	0.0078%
AIRGAS INC	ARG	7,963 20	0.05%	2.04%	13.50%	15.68%	0.0072%
ALLEGHENY TECHNOLOGIES NC	ATI	4,314 60	0.03%	1.77%	17.50%	19.42%	0.0049%
AVALONBAY COMMUNITIES NC	AVB	-	0.00%	3.54%	0.00%	3.54%	0.0000%
AVON PRODUCTS INC	AVP	6,486 81	0.04%	1.61%	36.50%	38.40%	0.0145%
AVERY DENNISON CORP	AVY	4,765 00	0.03%	2.49%	10.00%	12.61%	0.0035%
AMERICAN EXPRESS CO	AXP	93,004 24	0.54%	1.16%	10.00%	11.22%	0.0606%
AUTOZONE NC	AZO	17,540.73	0.10%	0.00%	12.00%	12.00%	0.0122%
BOEING CO/THE	BA	97,057 35	0.56%	2.30%	11.00%	13.43%	0.0757%
BANK OF AMERICA CORP	BAC	174,564 80	1.01%	0.73%	0.00%	0.73%	0.0074%
BAXTER INTERNATIONAL INC	BAX	39,262.45	0.23%	2.71%	8.00%	10.82%	0.0247%
BED BATH & BEYOND INC	BBBY	13,129 84	0.08%	0.00%	8.50%	8.50%	0.0065%
BB&T CORP	BBT	26,717 30	0.16%	2.65%	11.50%	14.30%	0.0222%
BEST BUY CO INC	BBY	8,387 91	0.05%	2.98%	5.50%	8.56%	0.0042%
CR BARD INC	BCR	10,549.11	0.06%	0.62%	8.00%	8.64%	0.0053%
BECTON DICKINSON AND CO	BDX	22,012.11	0.13%	1.91%	8.00%	9.99%	0.0128%
BEAM INC	BEAM	13,652.42	0.08%	1.08%	11.50%	12.64%	0.0100%
FRANKLIN RESOURCES INC	BEN	33,981.14	0.20%	0.93%	9.50%	10.47%	0.0207%
BROWN-FORMAN CORP-CLASS B	BF/B	18,895 63	0.11%	1.33%	10.00%	11.40%	0.0125%
BAKER HUGHES INC	BHI	30,559 26	0.18%	0.86%	13.00%	13.92%	0.0247%
BIOGEN IDEC INC	BI B	69,644.75	0.40%	0.00%	14.50%	14.50%	0.0586%
BANK OF NEW YORK MELLON CORP	BK	38,613 28	0.22%	2.02%	10.00%	12.12%	0.0272%
BLACKROCK NC	BLK	51,436 87	0.30%	2.54%	9.00%	11.65%	0.0348%
BALL CORP	BLL	7,873 34	0.05%	0.94%	12.00%	13.00%	0.0059%
BEMIS COMPANY	BMS	4,140 20	0.02%	2.68%	8.00%	10.79%	0.0026%
BRISTOL-MYERS SQUIBB CO	BMY	83,496.14	0.48%	2.84%	8.50%	11.46%	0.0556%
BROADCOM CORP-CL A	BRCM	18,092 34	0.11%	1.54%	2.50%	4.06%	0.0043%
BERKSHIRE HATHAWAY INC-CL B	BRK/B	-	0.00%	0.00%	0.00%	0 00%	0.0000%

Company	Ticker	[4] Market Capitalization	[5] Weight in Index	[6] Estimated Dividend Yield	[7] Long-Term Growth Est.	[8] DCF Result	[9] Weighted DCF Result
BOSTON SCIENTIFIC CORP	BSX	18,408 99	0.11%	0.00%	10.50%	10.50%	0.0112%
PEABODY ENERGY CORP	BTU	4,813 23	0.03%	1.91%	4.00%	5 95%	0.0017%
BORGWARNER INC	BWA	14,506.70	0.08%	0.78%	14.00%	14.83%	0.0125%
BOSTON PROPERTIES NC	BXP	-	0.00%	2.24%	0.00%	2 24%	0.0000%
CITIGROUP NC	C	146,584 90	0.85%	0.79%	14.00%	14.85%	0.1264%
CA NC	CA	13,547.71	0.08%	3.27%	5.00%	8.35%	0.0066%
CONAGRA FOODS INC	CAG	13,080 98	0.08%	3.22%	10.00%	13.38%	0.0102%
CARDINAL HEALTH NC	CAH	23,533 23	0.14%	1.92%	12.00%	14.04%	0.0192%
CAMERON NTERNATIONAL CORP	CAM	15,477 93	0.09%	0.00%	16.00%	16.00%	0.0144%
CATERPILLAR INC	CAT	66,995.45	0.39%	2.28%	5.50%	7.84%	0.0305%
CHUBB CORP	CB	22,777.11	0.13%	2.18%	8.50%	10.77%	0.0142%
CBRE GROUP INC - A	CBG	8,742 82	0.05%	0.00%	12.00%	12.00%	0.0061%
CBS CORP-CLASS B NON VOTING	CBS	34,576.13	0.20%	0.82%	13.00%	13.87%	0.0279%
COCA-COLA ENTERPRISES	CCE	11,980 84	0.07%	2.19%	10.00%	12.30%	0.0086%
CROWN CASTLE INTL CORP	CCI	21,441 07	0.12%	1.90%	27.00%	29.16%	0.0363%
CARNIVAL CORP	CCL	29,658 09	0.17%	2.62%	5.00%	7.69%	0.0132%
CELGENE CORP	CELG	57,870.13	0.34%	0.00%	14.00%	14.00%	0.0470%
CERNER CORP	CERN	17,981 63	0.10%	0.00%	15.00%	15.00%	0.0157%
CF INDUSTRIES HOLDINGS INC	CF	13,419.72	0.08%	1.77%	4.50%	6 31%	0.0049%
CAREFUSION CORP	CFN	8,000.48	0.05%	0.00%	13.00%	13.00%	0.0060%
CHESAPEAKE ENERGY CORP	CHK	18,939 82	0.11%	1.20%	7.00%	8.24%	0.0091%
C.H. ROB NSON WORLDWIDE INC	CHRW	8,680.70	0.05%	2.46%	7.00%	9.55%	0.0048%
CIGNA CORP	CI	22,198.45	0.13%	0.05%	9.00%	9.05%	0.0117%
CINC NNATI F NANCIAL CORP	CINF	8,152.44	0.05%	3.54%	12.50%	16.26%	0.0077%
COLGATE-PALMOLIVE CO	CL	61,112 01	0.35%	2.23%	10.50%	12.85%	0.0456%
CLOROX COMPANY	CLX	11,572 86	0.07%	3.32%	10.50%	13.99%	0.0094%
COMERICA INC	CMA	8,931 50	0.05%	1.65%	11.00%	12.74%	0.0066%
COMCAST CORP-CLASS A	CMCSA	133,551 90	0.78%	1.75%	12.00%	13.86%	0.1074%
CME GROUP INC	CME	24,024 61	0.14%	2.65%	8.50%	11.26%	0.0157%
CHIPOTLE MEXICAN GRILL NC	CMG	15,780 27	0.09%	0.00%	16.50%	16.50%	0.0151%
CUMMINS INC	CMI	27,740 07	0.16%	1.68%	8.50%	10.25%	0.0165%
CMS ENERGY CORP	CMS	7,969.70	0.05%	3.67%	6.50%	10.29%	0.0048%
CENTERPOINT ENERGY INC	CNP	10,536 24	0.06%	3.91%	2.50%	6.46%	0.0040%
CONSOL ENERGY INC	CNX	9,880 27	0.06%	0.58%	4.00%	4.59%	0.0026%
CAPITAL ONE FINANCIAL CORP	COF	43,521.11	0.25%	1.61%	4.00%	5.64%	0.0143%
CABOT OIL & GAS CORP	COG	15,991 07	0.09%	0.26%	33.00%	33.30%	0.0309%
COACH INC	COH	138,776 00	0.81%	2.70%	5.00%	7.77%	0.0626%
ROCKWELL COLLINS INC	COL	10,536.48	0.06%	1.54%	7.00%	8.59%	0.0053%
CONOCOPHILLIPS	COP	91,320 20	0.53%	3.71%	3.50%	7.27%	0.0386%
COSTCO WHOLESALE CORP	COST	50,600 32	0.29%	1.15%	10.50%	11.71%	0.0344%
COVIDIEN PLC	COV	31,942.72	0.19%	1.80%	7.50%	9.37%	0.0174%
CAMPBELL SOUP CO	CPB	13,999.44	0 08%	2.79%	6.00%	8.87%	0.0072%
SALESFORCE.COM INC	CRM	33,002.19	0.19%	0.00%	0.00%	0.00%	0.0000%
COMPUTER SC ENCES CORP	CSC	8,645.74	0 05%	1.35%	7.00%	8.40%	0.0042%
CISCO SYSTEMS NC	CSCO	121,106 00	0.70%	3.26%	5.50%	8.85%	0.0622%
CSX CORP	CSX	28,523 88	0.17%	2.25%	9.00%	11.35%	0.0188%
CINTAS CORP	CTAS	6,971.48	0 04%	1.33%	12.00%	13.41%	0.0054%
CENTURYLINK INC	CTL	20,552 80	0.12%	6.24%	6.50%	12.94%	0.0154%
COGNIZANT TECH SOLUTIONS-A	CTSH	29,813 59	0.17%	0.00%	19.50%	19.50%	0.0338%
CITRIX SYSTEMS INC	CTXS	11,233.74	0.07%	0.00%	12.50%	12.50%	0.0082%
CABLEVISION SYSTEMS-NY GRP-A	CVC	4,452.45	0.03%	3.61%	19.00%	22.95%	0.0059%
CVS CAREMARK CORP	CVS	87,976 29	0.51%	1.51%	11.00%	12.59%	0.0643%
CHEVRON CORP	CVX	239,050.40	1.39%	3.22%	4.50%	7.79%	0.1082%
DOMINION RESOURCES NC/VA	D	41,588 88	0.24%	3.40%	5.00%	8.49%	0.0205%
DELTA AIR L NES NC	DAL	31,257 23	0.18%	0.65%	11.50%	12.19%	0.0221%
DU PONT (E.I.) DE NEMOURS	DD	61,586 64	0.36%	2.80%	8.50%	11.42%	0.0408%
DEERE & CO	DE	34,711 23	0.20%	2.17%	6.00%	8.24%	0.0166%
DISCOVER FINANCIAL SERVICES	DFS	26,932.11	0.16%	1.71%	8.50%	10.28%	0.0161%
DOLLAR GENERAL CORP	DG	17,536.48	0.10%	0.00%	14.50%	14.50%	0.0148%
QUEST DIAGNOSTICS INC	DGX	8,290 08	0.05%	2.29%	6.50%	8.86%	0.0043%
DR HORTON INC	DHI	7,482 37	0.04%	0.65%	25.50%	26.23%	0.0114%
DANAHER CORP	DHR	51,527 53	0.30%	0.54%	12.00%	12.57%	0.0376%
WALT DISNEY CO/THE	DIS	135,303 00	0.79%	1.08%	11.50%	12.64%	0.0993%
DISCOVERY COMMUNICATIONS-A	DISCA	23,854 60	0.14%	0.00%	15.00%	15.00%	0.0208%
DELPHI AUTOMOTIVE PLC	DLPH	20,938 62	0.12%	1.46%	12.00%	13.55%	0.0165%
DOLLAR TREE NC	DLTR	10,702.10	0.06%	0.00%	14.50%	14.50%	0.0090%
DUN & BRADSTREET CORP	DNB	4,029 31	0.02%	1.67%	6.00%	7.72%	0.0018%
DENBURY RESOURCES INC	DNR	6,260.44	0.04%	1.45%	11.50%	13.03%	0.0047%
DIAMOND OFFSHORE DRILLING	DO	7,186.72	0.04%	6.77%	6.50%	13.49%	0.0056%
DOVER CORP	DOV	14,349 60	0.08%	1.74%	6.00%	7.79%	0.0065%
DOW CHEMICAL CO/THE	DOW	59,748 06	0.35%	3.01%	14.50%	17.73%	0.0615%
DR PEPPER SNAPPLE GROUP INC	DPS	10,655 23	0.06%	3.08%	6.50%	9.68%	0.0060%
DARDEN RESTAURANTS INC	DRI	6,610 96	0.04%	4.39%	7.00%	11.54%	0.0044%
DTE ENERGY COMPANY	DTE	13,639 89	0.08%	3.58%	5.00%	8.67%	0.0069%
DIRECTV	DTV	40,891 53	0.24%	0.00%	14.50%	14.50%	0.0344%
DUKE ENERGY CORP	DUK	51,580 36	0.30%	4.31%	4.00%	8.40%	0.0251%
DAVITA HEALTHCARE PARTNERS I	DVA	14,789 25	0.09%	0.00%	11.00%	11.00%	0.0094%
DEVON ENERGY CORPORATION	DVN	29,195.46	0.17%	1.34%	6.50%	7.88%	0.0134%
ELECTRONIC ARTS INC	EA	8,682 90	0.05%	0.00%	15.00%	15.00%	0.0076%
EBAY INC	EBAY	70,962 95	0.41%	0.00%	14.50%	14.50%	0.0597%

Company	Ticker	[4] Market Capitalization	[5] Weight in Index	[6] Estimated Dividend Yield	[7] Long-Term Growth Est.	[8] DCF Result	[9] Weighted DCF Result
ECOLAB INC	ECL	31,908 37	0.19%	1.07%	11.50%	12.63%	0.0234%
CONSOLIDATED EDISON INC	ED	16,685.18	0.10%	4.46%	1.50%	5 99%	0.0058%
EQUIFAX INC	EFX	8,393 22	0.05%	1.45%	10.00%	11.52%	0.0056%
EDISON INTERNATIONAL	EIX	18,486 52	0.11%	2.59%	2.50%	5.12%	0.0055%
ESTEE LAUDER COMPANIES-CL A	EL	27,967 39	0.16%	1.11%	11.50%	12.67%	0.0206%
EMC CORP/MA	EMC	51,530 20	0.30%	1.80%	9.00%	10.88%	0.0326%
EASTMAN CHEMICAL CO	EMN	13,434 30	0.08%	1.60%	13.00%	14.70%	0.0115%
EMERSON ELECTRIC CO	EMR	48,954 96	0.28%	2.48%	6.50%	9.06%	0.0258%
EOG RESOURCES INC	EOG	56,483 31	0.33%	0.48%	21.50%	22.03%	0.0723%
EQUITY RESIDENTIAL	EQR	-	0.00%	3.42%	0.00%	3.42%	0.0000%
EQT CORP	EQT	16,302 95	0.09%	0.11%	15.50%	15.62%	0.0148%
EXPRESS SCR PTS HOLDING CO	ESRX	57,558.72	0.33%	0.00%	12.50%	12.50%	0.0418%
ESSEX PROPERTY TRUST INC	ESS	N/A	N/A	N/A	N/A	N/A	N/A
ENSCO PLC-CL A	ESV	12,025.49	0.07%	5.83%	17.00%	23.33%	0.0163%
E*TRADE FINANCIAL CORP	ETFC	6,508 81	0.04%	0.00%	0.00%	0.00%	0.0000%
EATON CORP PLC	ETN	35,613 50	0 21%	2.62%	9.00%	11.74%	0.0243%
ENTERGY CORP	ETR	12,739.18	0 07%	4.65%	-2.50%	2 09%	0.0015%
EDWARDS L FESCIENCES CORP	EW	8,781 54	0.05%	0.00%	13.50%	13.50%	0.0069%
EXELON CORP	EXC	30,857 08	0.18%	3.44%	-5.00%	-1 65%	-0.0029%
EXPEDITORS INTL WASH NC	EXPD	8,343 53	0.05%	1.48%	6.50%	8 03%	0.0039%
EXPEDIA NC	EXPE	9,514.46	0.06%	0.83%	7.50%	8.36%	0.0046%
FORD MOTOR CO	F	64,373 20	0.37%	3.06%	8.00%	11.18%	0.0418%
FASTENAL CO	FAST	14,816 37	0.09%	2.00%	12.00%	14.12%	0.0121%
FACEBOOK NC-A	FB	155,035 90	0.90%	0.00%	0.00%	0.00%	0.0000%
FREEPORT-MCMORAN COPPER	FCX	35,219 34	0.20%	3.77%	6.00%	9.88%	0.0202%
FAMILY DOLLAR STORES	FDO	6,493 60	0.04%	2.17%	5.50%	7.73%	0.0029%
FEDEX CORP	FDX	40,213 81	0.23%	0.44%	9.00%	9.46%	0.0221%
F RSTENERGY CORP	FE	14,294 62	0.08%	4.21%	2.00%	6.25%	0.0052%
F5 NETWORKS NC	FFIV	8,058.72	0 05%	0.00%	12.00%	12.00%	0.0056%
F DELITY NATIONAL INFORMATIO	FIS	15,297 31	0 09%	1.83%	10.00%	11.92%	0.0106%
FISERV INC	FISV	14,654 86	0 09%	0.00%	10.00%	10.00%	0.0085%
F FTH THIRD BANCORP	FITB	17,987 06	0.10%	2.47%	10.00%	12.59%	0.0132%
FLIR SYSTEMS INC	FLIR	5,235 68	0.03%	1.10%	11.00%	12.16%	0.0037%
FLUOR CORP	FLR	12,406 20	0.07%	1.09%	7.00%	8.13%	0.0059%
FLOWSERVE CORP	FLS	10,144 58	0.06%	0.87%	12.00%	12.92%	0.0076%
FMC CORP	FMC	10,076 67	0.06%	0.79%	12.00%	12.84%	0.0075%
FOSSIL GROUP INC	FOSL	5,948 95	0.03%	0.00%	13.00%	13.00%	0.0045%
TWENTY-FIRST CENTURY FOX-A	FOXA	74,574 86	0.43%	0.79%	11.00%	11.83%	0.0512%
FOREST LABORATORIES INC	FRX	24,687 02	0.14%	0.00%	10.00%	10.00%	0.0143%
FIRST SOLAR INC	FSLR	7,022 31	0.04%	0.00%	-2.00%	-2 00%	-0.0008%
FMC TECHNOLOG ES INC	FTI	13,532.14	0.08%	0.00%	20.50%	20.50%	0.0161%
FRONTIER COMMUNICATIONS CORP	FTR	5,807.19	0.03%	6.89%	13.50%	20.86%	0.0070%
AGL RESOURCES INC	GAS	6,194 07	0.04%	3.76%	9.00%	12.93%	0.0047%
GANNETT CO	GCI	6,235 36	0.04%	2.92%	6.50%	9.51%	0.0034%
GENERAL DYNAMICS CORP	GD	39,022 65	0.23%	2.25%	3.00%	5.28%	0.0120%
GENERAL ELECTRIC CO	GE	266,210 90	1.55%	3.33%	10.50%	14.00%	0.2165%
GENERAL GROWTH PROPERTIES	GGP	-	0.00%	2.46%	0.00%	2.46%	0.0000%
GRAHAM HOLDINGS CO-CLASS B	GHC	5,109 56	0.03%	1.47%	10.50%	12.05%	0.0036%
GILEAD SCIENCES INC	GILD	113,640 80	0.66%	0.00%	13.00%	13.00%	0.0858%
GENERAL MILLS INC	GIS	32,307 37	0.19%	3.13%	6.50%	9.73%	0.0183%
CORNING INC	GLW	29,644 81	0.17%	1.89%	6.50%	8.45%	0.0145%
GENERAL MOTORS CO	GM	47,838 00	0.28%	3.51%	9.50%	13.18%	0.0366%
KEURIG GREEN MOUNTAIN NC	GMCR	13,995 89	0.08%	1.06%	19.00%	20.16%	0.0164%
GAMESTOP CORP-CLASS A	GME	4,672.40	0.03%	3.41%	12.00%	15.61%	0.0042%
GENWORTH FINANCIAL INC-CL A	GNW	8,677 35	0.05%	0.00%	20.00%	20.00%	0.0101%
GOOGLE NC-CL C	GOOG	350,971 80	2.04%	0.00%	14.50%	14.50%	0.2955%
GOOGLE NC-CL A	GOOGL	N/A	N/A	N/A	N/A	N/A	N/A
GENUINE PARTS CO	GPC	13,310 20	0.08%	2.67%	9.00%	11.79%	0.0091%
GAP INC/THE	GPS	17,475 08	0.10%	2.31%	12.50%	14.95%	0.0152%
GARMIN LTD	GRMN	10,828 87	0.06%	3.46%	1.50%	4.99%	0.0031%
GOLDMAN SACHS GROUP INC	GS	71,796 85	0.42%	1.37%	13.00%	14.46%	0.0603%
GOODYEAR TIRE & RUBBER CO	GT	6,986 64	0.04%	0.71%	11.50%	12.25%	0.0050%
WW GRAINGER INC	GWW	17,373 31	0.10%	1.47%	12.50%	14.06%	0.0142%
HALLIBURTON CO	HAL	53,903 01	0.31%	0.95%	11.50%	12.50%	0.0391%
HARMAN NTERNATIONAL	HAR	7,588 01	0.04%	1.07%	19.50%	20.67%	0.0091%
HASBRO INC	HAS	7,134 65	0.04%	3.13%	7.00%	10.24%	0.0042%
HUNTINGTON BANCSHARES INC	HBAN	7,752 89	0.05%	2.14%	6.00%	8.20%	0.0037%
HUDSON CITY BANCORP INC	HCBK	5,268 34	0.03%	1.61%	0.00%	1.61%	0.0005%
HEALTH CARE REIT INC	HCN	-	0.00%	5.20%	0.00%	5.20%	0.0000%
HCP INC	HCP	-	0.00%	5.38%	0.00%	5.38%	0.0000%
HOME DEPOT INC	HD	112,316 20	0.65%	2.36%	14.50%	17.03%	0.1111%
HESS CORP	HES	29,937 09	0.17%	1.13%	-1.00%	0.12%	0.0002%
HARTFORD FINANCIAL SVCS GRP	HIG	15,634.47	0.09%	1.72%	11.00%	12.81%	0.0116%
HARLEY-DAVIDSON INC	HOG	15,755 66	0.09%	1.54%	16.00%	17.66%	0.0162%
HONEYWELL INTERNATIONAL INC	HON	73,323 53	0.43%	1.92%	9.50%	11.51%	0.0490%
STARWOOD HOTELS & RESORTS	HOT	14,618.71	0.08%	1.84%	14.00%	15.97%	0.0136%
HELMERICH & PAYNE	HP	11,498.76	0.07%	2.34%	10.00%	12.46%	0.0083%
HEWLETT-PACKARD CO	HPQ	60,768 00	0.35%	2.00%	0.00%	2.00%	0.0071%
H&R BLOCK INC	HRB	7,669 85	0.04%	3.40%	9.00%	12.55%	0.0056%
HORMEL FOODS CORP	HRL	12,562 92	0.07%	1.77%	11.00%	12.87%	0.0094%

Company	Ticker	[4] Market Capitalization	[5] Weight in Index	[6] Estimated Dividend Yield	[7] Long-Term Growth Est.	[8] DCF Result	[9] Weighted DCF Result
HARRIS CORP	HRS	7,696 83	0.04%	2.45%	1.50%	3 97%	0.0018%
HOSPIRA INC	HSP	7,279.78	0.04%	0.00%	7.00%	7 00%	0.0030%
HOST HOTELS & RESORTS NC	HST	-	0.00%	2.94%	0.00%	2 94%	0.0000%
HERSHEY CO/THE	HSY	21,489.76	0.12%	2.08%	11.50%	13.70%	0.0171%
HUMANA NC	HUM	16,761 98	0.10%	0.99%	7.50%	8.53%	0.0083%
INTL BUSINESS MACHINES CORP	IBM	200,566.10	1.16%	2.10%	7.50%	9.68%	0.1127%
INTERCONT NENTALEXCHANGE GRO	ICE	23,663 55	0.14%	1.26%	18.50%	19.88%	0.0273%
INTL FLAVORS & FRAGRANCES	IFF	7,786 82	0.05%	1.69%	7.00%	8.75%	0.0040%
INTL GAME TECHNOLOGY	IGT	3,158.76	0.02%	3.48%	13.00%	16.71%	0.0031%
INTEL CORP	INTC	132,867 30	0.77%	3.36%	6.00%	9.46%	0.0730%
INTUIT INC	INTU	21,025 32	0.12%	1.03%	11.00%	12.09%	0.0148%
INTERNATIONAL PAPER CO	P	20,071 27	0.12%	3.04%	12.00%	15.22%	0.0177%
INTERPUBLIC GROUP OF COS NC	IPG	7,200 97	0.04%	2.20%	13.50%	15.85%	0.0066%
INGERSOLL-RAND PLC	IR	16,570 89	0.10%	1.68%	12.50%	14.29%	0.0137%
IRON MOUNTAIN INC	IRM	5,371.15	0.03%	3.85%	5.50%	9.46%	0.0029%
INTUITIVE SURGICAL INC	ISRG	14,147 29	0 08%	0.00%	9.00%	9.00%	0.0074%
LL NOIS TOOL WORKS	ITW	37,996 89	0.22%	1.96%	10.50%	12.56%	0.0277%
INVESCO LTD	IVZ	15,680.42	0.09%	2.54%	17.00%	19.76%	0.0180%
JAB L C RCUIT INC	JBL	3,660 37	0.02%	1.78%	3.00%	4 81%	0.0010%
JOHNSON CONTROLS INC	JCI	30,392 56	0.18%	1.92%	12.00%	14.04%	0.0248%
JACOBS ENG NEERING GROUP INC	JEC	8,354.78	0.05%	0.00%	12.00%	12.00%	0.0058%
JOHNSON & JOHNSON	JNJ	281,953.10	1.64%	2.64%	6.50%	9.23%	0.1510%
JUNIPER NETWORKS INC	JNPR	12,498 85	0.07%	1.19%	16.50%	17.79%	0.0129%
JOY GLOBAL INC	JOY	6,116 31	0.04%	1.15%	2.00%	3.16%	0.0011%
JPMORGAN CHASE & CO	JPM	211,202 00	1.23%	2.85%	8.00%	10.96%	0.1345%
NORDSTROM INC	JWN	11,984 20	0.07%	2.18%	8.50%	10.77%	0.0075%
KELLOGG CO	K	24,137.15	0.14%	2.80%	6.50%	9.39%	0.0132%
KEYCORP	KEY	12,131 66	0.07%	1.76%	8.50%	10.33%	0.0073%
KIMCO REALTY CORP	KIM	-	0.00%	4.06%	0.00%	4.06%	0.0000%
KLA-TENCOR CORPORATION	KLAC	11,283 93	0.07%	2.66%	6.00%	8.74%	0.0057%
KIMBERLY-CLARK CORP	KMB	41,126.12	0 24%	3.08%	8.50%	11.71%	0.0280%
KINDER MORGAN INC	KMI	34,713 20	0 20%	4.99%	15.00%	20.36%	0.0410%
CARMAX INC	KMX	9,719 35	0.06%	0.00%	10.00%	10.00%	0.0056%
COCA-COLA CO/THE	KO	179,161.40	1.04%	3.07%	6.50%	9 67%	0.1006%
MICHAEL KORS HOLD NGS LTD	KORS	18,599 64	0.11%	0.00%	29.50%	29.50%	0.0319%
KROGER CO	KR	23,037 80	0.13%	1.57%	9.50%	11.14%	0.0149%
KRAFT FOODS GROUP INC	KRFT	33,883 98	0.20%	3.70%	0.00%	3.70%	0.0073%
KOHLS CORP	KSS	11,548 03	0.07%	2.92%	7.50%	10.53%	0.0071%
KANSAS CITY SOUTHERN	KSU	11,127 38	0.06%	1.11%	14.00%	15.19%	0.0098%
LOEWS CORP	L	17,205 26	0.10%	0.56%	13.00%	13.60%	0.0136%
L BRANDS INC	LB	15,786.75	0.09%	2.51%	8.50%	11.12%	0.0102%
LEGGETT & PLATT INC	LEG	4,703 36	0.03%	3.56%	12.50%	16.28%	0.0044%
LENNAR CORP-A	LEN	8,076 52	0.05%	0.41%	27.00%	27.47%	0.0129%
LABORATORY CRP OF AMER HLDGS	LH	8,605 99	0.05%	0.00%	5.00%	5.00%	0.0025%
L-3 COMMUNICATIONS HOLDINGS	LLL	9,997.74	0.06%	2.06%	4.00%	6.10%	0.0035%
LINEAR TECHNOLOGY CORP	LLTC	10,991.77	0.06%	2.31%	6.50%	8.89%	0.0057%
ELI LILLY & CO	LLY	63,386.14	0 37%	3.34%	-2.50%	0.80%	0.0029%
LEGG MASON INC	LM	5,553.75	0.03%	1.11%	14.50%	15.69%	0.0051%
LOCKHEED MART N CORP	LMT	51,237.78	0.30%	3.46%	7.50%	11.09%	0.0330%
LINCOLN NATIONAL CORP	LNC	12,768 86	0.07%	1.40%	8.00%	9.46%	0.0070%
LORILLARD NC	LO	19,948.14	0.12%	4.55%	11.00%	15.80%	0.0183%
LOWE'S COS INC	LOW	49,518 00	0.29%	1.53%	15.00%	16.64%	0.0479%
LAM RESEARCH CORP	LRCX	9,447 97	0.05%	0.00%	13.50%	13.50%	0.0074%
LSI CORP	LSI	6,050 52	0.04%	0.00%	26.50%	26.50%	0.0093%
LEUCADIA NATIONAL CORP	LUK	N/A	N/A	N/A	N/A	N/A	N/A
SOUTHWEST A RLINES CO	LUV	16,909 39	0.10%	0.66%	17.00%	17.72%	0.0174%
LYONDELLBASELL INDU-CL A	LYB	48,662 93	0.28%	2.75%	12.00%	14.92%	0.0421%
MACY'S NC	M	21,390 32	0.12%	1.98%	14.00%	16.12%	0.0200%
MASTERCARD INC-CLASS A	MA	89,497 93	0.52%	0.59%	15.00%	15.63%	0.0813%
MACERICH CO/THE	MAC	-	0.00%	3.86%	0.00%	3.86%	0.0000%
MARRIOTT INTERNATIONAL -CL A	MAR	17,577.15	0.10%	1.18%	14.00%	15.26%	0.0156%
MASCO CORP	MAS	7,846 28	0.05%	1.34%	33.50%	35.06%	0.0160%
MATTEL INC	MAT	12,822 50	0.07%	4.03%	9.50%	13.72%	0.0102%
MCDONALD'S CORP	MCD	98,881 53	0.57%	3.25%	7.00%	10.36%	0.0595%
MICROCHIP TECHNOLOGY INC	MCHP	9,635 27	0.06%	2.93%	9.00%	12.06%	0.0067%
MCKESSON CORP	MCK	39,227 28	0.23%	0.56%	14.00%	14.60%	0.0333%
MOODY'S CORP	MCO	17,132.71	0.10%	1.41%	12.50%	14.00%	0.0139%
MONDELEZ NTERNATIONAL INC-A	MDLZ	60,200.48	0.35%	1.59%	7.50%	9.15%	0.0320%
MEDTRONIC INC	MDT	58,240 82	0.34%	2.02%	6.50%	8.59%	0.0290%
METLIFE INC	MET	58,289.45	0.34%	2.70%	7.50%	10.30%	0.0349%
MCGRAW HILL F NANCIAL INC	MHFI	20,578 09	0.12%	1.58%	0.00%	1.58%	0.0019%
MOHAWK INDUSTR ES INC	MHK	10,003 05	0.06%	0.00%	15.50%	15.50%	0.0090%
MEAD JOHNSON NUTRITION CO	MJN	18,243 90	0.11%	1.70%	11.00%	12.79%	0.0136%
MCCORMICK & CO-NON VTG SHRS	MKC	9,303 34	0.05%	2.16%	7.50%	9.74%	0.0053%
MARSH & MCLENNAN COS	MMC	26,529 50	0.15%	2.06%	13.00%	15.19%	0.0234%
3M CO	MMM	90,639 39	0.53%	2.50%	9.00%	11.61%	0.0611%
MONSTER BEVERAGE CORP	MNST	11,135 37	0.06%	0.00%	14.50%	14.50%	0.0094%
ALTRIA GROUP INC	MO	76,549 59	0.44%	5.00%	10.50%	15.76%	0.0701%
MONSANTO CO	MON	58,005.17	0.34%	1.56%	13.50%	15.17%	0.0511%
MOSAIC CO/THE	MOS	20,782 88	0.12%	2.46%	6.00%	8 53%	0.0103%

Company	Ticker	[4] Market Capitalization	[5] Weight in Index	[6] Estimated Dividend Yield	[7] Long-Term Growth Est.	[8] DCF Result	[9] Weighted DCF Result
MARATHON PETROLEUM CORP	MPC	26,949.78	0.16%	1.92%	0.00%	1 92%	0.0030%
MERCK & CO. INC.	MRK	168,368 00	0.98%	3.06%	2.00%	5 09%	0.0498%
MARATHON OIL CORP	MRO	25,320.48	0.15%	2.09%	0.00%	2 09%	0.0031%
MORGAN STANLEY	MS	60,174 21	0.35%	1.29%	30.00%	31.48%	0.1100%
MICROSOFT CORP	MSFT	330,838 00	1.92%	2.81%	8.50%	11.43%	0.2196%
MOTOROLA SOLUTIONS INC	MSI	16,033 50	0.09%	2.11%	8.00%	10.19%	0.0095%
M & T BANK CORP	MTB	16,007 92	0.09%	2.28%	7.00%	9.36%	0.0087%
MICRON TECHNOLOGY INC	MU	27,991 20	0.16%	0.00%	80.50%	80.50%	0.1308%
MURPHY O L CORP	MUR	12,601 39	0.07%	1.93%	9.00%	11.02%	0.0081%
MEADWESTVACO CORP	MWV	6,696 87	0.04%	2.61%	11.00%	13.75%	0.0053%
MYLAN INC	MYL	19,270 30	0.11%	0.00%	14.00%	14.00%	0.0157%
NOBLE ENERGY NC	NBL	27,154.16	0.16%	0.96%	17.00%	18.04%	0.0284%
NABORS INDUSTRIES LTD	NBR	7,305 65	0.04%	0.65%	16.50%	17.20%	0.0073%
NASDAQ OMX GROUP/THE	NDAQ	6,142 58	0.04%	1.65%	8.50%	10.22%	0.0036%
NOBLE CORP PLC	NE	8,055 21	0.05%	4.72%	19.50%	24.68%	0.0115%
NEXTERA ENERGY INC	NEE	42,060.15	0.24%	3.00%	4.50%	7.57%	0.0185%
NEWMONT MINING CORP	NEM	12,694 02	0.07%	0.39%	-17.50%	-17.14%	-0.0126%
NETFLIX INC	NFLX	20,508 98	0.12%	0.00%	20.50%	20.50%	0.0244%
NEWFIELD EXPLORATION CO	NFX	4,387 24	0.03%	0.00%	-1.00%	-1 00%	-0.0003%
NISOURCE INC	NI	11,251 52	0.07%	2.79%	10.50%	13.44%	0.0088%
NIKE INC -CL B	NKE	64,656 59	0.38%	1.31%	12.50%	13.89%	0.0522%
NIELSEN HOLDINGS NV	NLSN	17,396.12	0.10%	1.74%	0.00%	1.74%	0.0018%
NORTHROP GRUMMAN CORP	NOC	25,830.71	0.15%	2.05%	5.00%	7.10%	0.0107%
NATIONAL OILWELL VARCO INC	NOV	35,449 35	0.21%	1.26%	11.50%	12.83%	0.0264%
NRG ENERGY INC	NRG	10,660 09	0.06%	1.70%	7.00%	8.76%	0.0054%
NORFOLK SOUTHERN CORP	NSC	29,377 39	0.17%	2.27%	8.50%	10.87%	0.0185%
NETAPP INC	NTAP	11,868 58	0.07%	1.68%	9.50%	11.26%	0.0078%
NORTHERN TRUST CORP	NTRS	14,396 33	0.08%	2.19%	9.50%	11.79%	0.0099%
NORTHEAST UTILITIES	NU	14,641 28	0.09%	3.38%	8.00%	11.52%	0.0098%
NUCOR CORP	NUE	16,390.71	0.10%	2.87%	22.00%	25.19%	0.0240%
NVIDIA CORP	NVDA	10,949 98	0.06%	1.77%	6.50%	8.33%	0.0053%
NEWELL RUBBERMAID NC	NWL	8,444 37	0.05%	1.98%	12.50%	14.60%	0.0072%
NEWS CORP - CLASS A	NWSA	N/A	N/A	N/A	N/A	N/A	N/A
OWENS-ILLINOIS INC	OI	5,338 38	0.03%	0.00%	8.50%	8.50%	0.0026%
ONEOK INC	OKE	12,830.18	0.07%	3.76%	10.00%	13.95%	0.0104%
OMNICOM GROUP	OMC	18,064 95	0.10%	2.29%	11.50%	13.92%	0.0146%
ORACLE CORP	ORCL	178,199 30	1.03%	1.21%	9.00%	10.26%	0.1062%
O'REILLY AUTOMOTIVE NC	ORLY	16,134 25	0.09%	0.00%	12.00%	12.00%	0.0112%
OCCIDENTAL PETROLEUM CORP	OXY	78,300 57	0.45%	3.00%	3.50%	6.55%	0.0298%
PAYCHEX INC	PAYX	14,884 20	0.09%	3.62%	8.00%	11.76%	0.0102%
PEOPLE'S UNITED FINANCIAL	PBCT	4,463.78	0.03%	4.54%	14.00%	18.86%	0.0049%
PITNEY BOWES INC	PBI	5,157.13	0.03%	2.94%	2.00%	4.97%	0.0015%
PACCAR NC	PCAR	23,473 29	0.14%	2.56%	12.50%	15.22%	0.0207%
P G & E CORP	PCG	20,504.48	0.12%	4.05%	5.00%	9.15%	0.0109%
PLUM CREEK T MBER CO	PCL	7,602.15	0.04%	4.10%	12.50%	16.86%	0.0074%
PRICELINE GROUP INC/THE	PCLN	62,141 55	0.36%	0.00%	25.50%	25.50%	0.0920%
PRECISION CASTPARTS CORP	PCP	37,204 25	0.22%	0.05%	13.00%	13.05%	0.0282%
PATTERSON COS INC	PDCO	4,138 23	0.02%	1.96%	11.50%	13.57%	0.0033%
PUBLIC SERVICE ENTERPRISE GP	PEG	20,117 93	0.12%	3.72%	-0.50%	3 21%	0.0038%
PEPSICO INC	PEP	130,760.10	0.76%	3.06%	8.50%	11.69%	0.0888%
PETSMART INC	PETM	6,806.49	0.04%	1.20%	11.50%	12.77%	0.0050%
PFIZER NC	PFE	199,033.70	1.16%	3.39%	10.50%	14.07%	0.1626%
PRINCIPAL FINANCIAL GROUP	PFG	13,163.78	0.08%	2.50%	9.50%	12.12%	0.0093%
PROCTER & GAMBLE CO/THE	PG	220,030 80	1.28%	3.17%	7.50%	10.79%	0.1378%
PROGRESSIVE CORP	PGR	14,263.45	0.08%	2.05%	14.00%	16.19%	0.0134%
PARKER HANN FIN CORP	PH	18,560.47	0.11%	1.54%	6.50%	8.09%	0.0087%
PULTEGROUP INC	PHM	7,240 87	0.04%	1.05%	31.50%	32.72%	0.0138%
PERKINELMER INC	PKI	4,990.46	0.03%	0.63%	8.50%	9.16%	0.0027%
PROLOGIS INC	PLD	-	0.00%	3.25%	0.00%	3.25%	0.0000%
PALL CORP	PLL	9,229 88	0.05%	1.31%	10.50%	11.88%	0.0064%
PHILIP MORRIS INTERNATIONAL	PM	132,665 80	0.77%	4.50%	7.50%	12.17%	0.0937%
PNC FINANCIAL SERVICES GROUP	PNC	44,826 32	0.26%	2.28%	7.00%	9.36%	0.0244%
PENTAIR LTD-REGISTERED	PNR	14,571 50	0 08%	1.34%	16.50%	17.95%	0.0152%
PINNACLE WEST CAPITAL	PNW	6,188 87	0.04%	4.13%	4.00%	8 21%	0.0030%
PEPCO HOLDINGS INC	POM	5,353 85	0.03%	5.04%	5.50%	10.68%	0.0033%
PPG INDUSTRIES INC	PPG	27,624.70	0.16%	1.38%	13.00%	14.47%	0.0232%
PPL CORPORATION	PPL	21,046.42	0.12%	4.46%	0.00%	4.46%	0.0055%
PERRIGO CO PLC	PRGO	19,747.49	0.11%	0.28%	13.50%	13.80%	0.0158%
PRUDENTIAL F NANCIAL INC	PRU	37,765 02	0.22%	2.63%	10.00%	12.76%	0.0280%
PUBLIC STORAGE	PSA	-	0.00%	3.26%	0.00%	3.26%	0.0000%
PHILLIPS 66	PSX	49,503 69	0.29%	1.93%	0.00%	1.93%	0.0055%
PVH CORP	PVH	9,937 98	0.06%	0.12%	10.50%	10.63%	0.0061%
QUANTA SERVICES INC	PWR	7,630.16	0.04%	0.00%	19.50%	19.50%	0.0086%
PRAXA R INC	PX	38,458 52	0.22%	2.05%	10.50%	12.66%	0.0283%
PIONEER NATURAL RESOURCES CO	PXD	28,143.16	0.16%	0.04%	23.00%	23.04%	0.0377%
QUALCOMM NC	QCOM	131,366.70	0.76%	2.16%	9.50%	11.76%	0.0897%
QEP RESOURCES INC	QEP	5,769 87	0.03%	0.34%	11.50%	11.86%	0.0040%
RYDER SYSTEM INC	R	4,371 53	0 03%	1.64%	14.50%	16.26%	0.0041%
REYNOLDS AMERICAN INC	RAI	29,017 20	0.17%	4.97%	9.50%	14.71%	0.0248%
ROWAN COMPANIES PLC-A	RDC	3,909.74	0.02%	0.00%	23.00%	23.00%	0.0052%

Company	Ticker	[4] Market Capitalization	[5] Weight in Index	[6] Estimated Dividend Yield	[7] Long-Term Growth Est.	[8] DCF Result	[9] Weighted DCF Result
REGENERON PHARMACEUTICALS	REGN	28,658.13	0.17%	0.00%	35.50%	35.50%	0.0591%
REGIONS FINANCIAL CORP	RF	14,204 29	0.08%	1.16%	72.50%	74.08%	0.0611%
ROBERT HALF INTL INC	RHI	6,060 88	0.04%	1.66%	12.00%	13.76%	0.0048%
RED HAT INC	RHT	9,406.13	0.05%	0.00%	14.50%	14.50%	0.0079%
TRANSOCEAN LTD	RIG	15,550 91	0.09%	5.19%	13.50%	19.04%	0.0172%
RALPH LAUREN CORP	RL	13,853 05	0.08%	1.16%	9.00%	10.21%	0.0082%
ROCKWELL AUTOMATION INC	ROK	17,714 01	0.10%	1.82%	8.50%	10.40%	0.0107%
ROPER NDUSTRIES NC	ROP	13,111 33	0.08%	0.61%	11.00%	11.64%	0.0089%
ROSS STORES INC	ROST	14,604 33	0.08%	1.21%	9.00%	10.26%	0.0087%
RANGE RESOURCES CORP	RRC	15,291 54	0.09%	0.17%	38.00%	38.20%	0.0339%
REPUBLIC SERVICES NC	RSG	12,510 00	0.07%	3.11%	8.50%	11.74%	0.0085%
RAYTHEON COMPANY	RTN	30,166 84	0.18%	2.52%	9.50%	12.14%	0.0213%
STARBUCKS CORP	SBUX	53,779 58	0.31%	1.58%	18.50%	20.23%	0.0632%
SCANA CORP	SCG	7,410 96	0.04%	4.00%	5.00%	9.10%	0.0039%
SCHWAB (CHARLES) CORP	SCHW	35,132 64	0.20%	0.89%	10.50%	11.44%	0.0233%
SPECTRA ENERGY CORP	SE	26,190 30	0.15%	3.48%	3.00%	6.53%	0.0099%
SEALED AIR CORP	SEE	6,533.17	0.04%	1.57%	19.50%	21.22%	0.0081%
SHERWIN-WILLIAMS CO/THE	SHW	20,129 94	0.12%	1.14%	15.50%	16.73%	0.0196%
SIGMA-ALDRICH	SIAL	11,345.42	0.07%	0.97%	7.50%	8 51%	0.0056%
JM SMUCKER CO/THE	SJM	10,139.72	0.06%	2.45%	7.50%	10.04%	0.0059%
SCHLUMBERGER LTD	SLB	133,086 20	0.77%	1.57%	15.00%	16.69%	0.1290%
SLM CORP	SLM	11,614 92	0.07%	0.00%	8.50%	8.50%	0.0057%
SNAP-ON INC	SNA	6,817.11	0.04%	1.50%	9.00%	10.57%	0.0042%
SANDISK CORP	SNDK	19,210 94	0.11%	1.06%	11.50%	12.62%	0.0141%
SCRIPPS NETWORKS NTER-CL A	SNI	10,979 07	0.06%	1.07%	9.00%	10.12%	0.0065%
SOUTHERN CO/THE	SO	40,522 09	0.24%	4.60%	3.50%	8.18%	0.0192%
SIMON PROPERTY GROUP NC	SPG	-	0.00%	3.04%	0.00%	3.04%	0.0000%
STAPLES NC	SPLS	7,906.14	0.05%	3.96%	-1.50%	2.43%	0.0011%
STERICYCLE INC	SRCL	9,692 62	0.06%	0.00%	11.50%	11.50%	0.0065%
SEMPRA ENERGY	SRE	23,759.16	0.14%	2.76%	6.00%	8.84%	0.0122%
SUNTRUST BANKS NC	STI	20,717 90	0.12%	2.06%	26.00%	28.33%	0.0341%
ST JUDE MEDICAL INC	STJ	18,063 39	0.10%	1.73%	8.50%	10.30%	0.0108%
STATE STREET CORP	STT	28,535 23	0.17%	1.70%	10.00%	11.79%	0.0195%
SEAGATE TECHNOLOGY	STX	17,717 89	0.10%	3.19%	6.50%	9.79%	0.0101%
CONSTELLATION BRANDS INC-A	STZ	15,102 25	0.09%	0.00%	16.50%	16.50%	0.0145%
STANLEY BLACK & DECKER INC	SWK	13,308 81	0.08%	2.34%	10.00%	12.46%	0.0096%
SOUTHWESTERN ENERGY CO	SWN	17,071 61	0.10%	0.00%	11.00%	11.00%	0.0109%
SAFEWAY NC	SWY	7,828 00	0.05%	2.65%	8.50%	11.26%	0.0051%
STRYKER CORP	SYK	29,471 20	0.17%	1.57%	7.50%	9.13%	0.0156%
SYMANTEC CORP	SYMC	14,225 27	0.08%	2.92%	15.00%	18.14%	0.0150%
SYSCO CORP	SYY	21,267 97	0.12%	3.19%	8.50%	11.83%	0.0146%
AT&T INC	T	180,307 90	1.05%	5.36%	7.00%	12.55%	0.1314%
MOLSON COORS BREWING CO -B	TAP	11,325 64	0.07%	2.51%	8.50%	11.12%	0.0073%
TERADATA CORP	TDC	7,327 80	0.04%	0.00%	13.00%	13.00%	0.0055%
TECO ENERGY NC	TE	3,941 82	0.02%	4.85%	2.00%	6.90%	0.0016%
INTEGRYS ENERGY GROUP INC	TEG	4,808 81	0.03%	4.49%	3.50%	8.07%	0.0023%
TE CONNECTIVITY LTD	TEL	24,954.19	0.14%	1.65%	8.50%	10.22%	0.0148%
TARGET CORP	TGT	38,821 59	0.23%	3.06%	5.50%	8 64%	0.0195%
TENET HEALTHCARE CORP	THC	4,093 26	0.02%	0.00%	28.00%	28.00%	0.0067%
TIFFANY & CO	TIF	11,338 93	0.07%	1.63%	12.50%	14.23%	0.0094%
TJX COMPANIES NC	TJX	41,427 29	0.24%	1.20%	12.50%	13.78%	0.0331%
TORCHMARK CORP	TMK	7,090 08	0.04%	0.96%	5.50%	6.49%	0.0027%
THERMO FISHER SCIENTIFIC INC	TMO	41,694 53	0.24%	0.52%	11.00%	11.55%	0.0280%
TRIPADVISOR INC	TRIP	11,861 59	0.07%	0.00%	0.00%	0.00%	0.0000%
T ROWE PRICE GROUP INC	TROW	21,344 55	0.12%	2.15%	12.50%	14.78%	0.0183%
TRAVELERS COS INC/THE	TRV	31,316 56	0.18%	2.48%	9.50%	12.10%	0.0220%
TRACTOR SUPPLY COMPANY	TSCO	9,313 53	0.05%	0.96%	16.00%	17.04%	0.0092%
TYSON FOODS NC-CL A	TSN	14,462.11	0.08%	0.71%	12.00%	12.75%	0.0107%
TESORO CORP	TSO	7,296 67	0.04%	1.85%	15.50%	17.49%	0.0074%
TOTAL SYSTEM SERVICES INC	TSS	5,591 92	0.03%	1.36%	9.50%	10.92%	0.0035%
T ME WARNER CABLE	TWC	39,719.16	0.23%	2.14%	10.00%	12.25%	0.0282%
T ME WARNER INC	TWX	58,747 80	0.34%	1.94%	12.50%	14.56%	0.0497%
TEXAS NSTRUMENTS INC	TXN	53,220 06	0.31%	2.48%	8.00%	10.58%	0.0327%
TEXTRON INC	TXT	11,206 21	0.07%	0.28%	17.00%	17.30%	0.0113%
TYCO INTERNATIONAL LTD	TYC	19,416 60	0.11%	1.71%	15.00%	16.84%	0.0190%
UNITEDHEALTH GROUP INC	UNH	75,670 91	0.44%	1.46%	10.00%	11.53%	0.0507%
UNUM GROUP	UNM	8,699 26	0.05%	1.73%	7.50%	9.29%	0.0047%
UNION PACIFIC CORP	UNP	86,333 88	0.50%	1.91%	11.00%	13.02%	0.0652%
UNITED PARCEL SERVICE-CL B	UPS	91,735 20	0.53%	2.72%	7.50%	10.32%	0.0550%
URBAN OUTFITTERS INC	URBN	5,297 55	0.03%	0.00%	14.50%	14.50%	0.0045%
US BANCORP	USB	74,176 01	0.43%	2.31%	5.50%	7.87%	0.0339%
UNITED TECHNOLOGIES CORP	UTX	109,067 30	0.63%	1.98%	9.50%	11.57%	0.0733%
VISA INC-CLASS A SHARES	V	162,494.40	0.94%	0.80%	18.50%	19.37%	0.1828%
VARIAN MEDICAL SYSTEMS INC	VAR	8,292 58	0.05%	0.00%	6.00%	6.00%	0.0029%
VF CORP	VFC	26,467 03	0.15%	1.75%	11.50%	13.35%	0.0205%
VIACOM INC-CLASS B	VIAB	37,287.18	0.22%	1.41%	13.50%	15.01%	0.0325%
VALERO ENERGY CORP	VLO	30,628 89	0.18%	1.77%	15.00%	16.90%	0.0301%
VULCAN MATERIALS CO	VMC	8,519 30	0.05%	0.31%	0.00%	0.31%	0.0002%
VORNADO REALTY TRUST	VNO	18,895 59	0.11%	2.91%	6.50%	9 50%	0.0104%
VERISIGN NC	VRSN	6,585 91	0.04%	0.00%	21.00%	21.00%	0.0080%

Company	Ticker	[4] Market Capitalization	[5] Weight in Index	[6] Estimated Dividend Yield	[7] Long-Term Growth Est.	[8] DCF Result	[9] Weighted DCF Result
VERTEX PHARMACEUTICALS INC	VRTX	15,472 09	0.09%	0.00%	0.00%	0 00%	0.0000%
VENTAS NC	VTR	-	0.00%	4.51%	0.00%	4 51%	0.0000%
VERIZON COMMUNICATIONS NC	VZ	132,441 80	0.77%	4.58%	10.50%	15.32%	0.1178%
WALGREEN CO	WAG	64,340 99	0.37%	1.87%	10.50%	12.47%	0.0466%
WATERS CORP	WAT	9,677.73	0.06%	0.00%	7.00%	7.00%	0.0039%
WESTERN DIGITAL CORP	WDC	21,282 60	0.12%	1.34%	6.00%	7.38%	0.0091%
WISCONSIN ENERGY CORP	WEC	10,791 95	0.06%	3.33%	6.00%	9.43%	0.0059%
WELLS FARGO & CO	WFC	260,100 60	1.51%	2.43%	8.00%	10.53%	0.1590%
WHOLE FOODS MARKET INC	WFM	18,974 34	0.11%	1.06%	15.50%	16.64%	0.0183%
WHIRLPOOL CORP	WHR	12,218.14	0.07%	1.94%	10.50%	12.54%	0.0089%
WINDSTREAM HOLDINGS INC	W N	5,358 94	0.03%	11.12%	4.00%	15.34%	0.0048%
WELLPOINT INC	WLP	27,268 59	0.16%	1.81%	6.50%	8.37%	0.0133%
WASTE MANAGEMENT INC	WM	20,100 53	0.12%	3.50%	6.50%	10.11%	0.0118%
WILLIAMS COS NC	WMB	28,228 39	0.16%	4.23%	8.00%	12.40%	0.0203%
WAL-MART STORES INC	WMT	253,881 00	1.47%	2.45%	7.50%	10.04%	0.1480%
WESTERN UNION CO	WU	8,730 28	0 05%	3.16%	5.00%	8.24%	0.0042%
WEYERHAEUSER CO	WY	16,771.17	0.10%	3.06%	17.00%	20.32%	0.0198%
WYNDHAM WORLDWIDE CORP	WYN	9,590 60	0.06%	1.87%	13.50%	15.50%	0.0086%
WYNN RESORTS LTD	WYNN	21,458 99	0.12%	2.35%	14.00%	16.51%	0.0206%
UNITED STATES STEEL CORP	X	3,973.76	0.02%	0.73%	0.00%	0.73%	0.0002%
XCEL ENERGY INC	XEL	15,686 09	0.09%	3.87%	5.50%	9.48%	0.0086%
XL GROUP PLC	XL	9,423.42	0.05%	2.03%	16.00%	18.19%	0.0100%
XILINX INC	XLNX	12,701 39	0.07%	2.43%	8.50%	11.03%	0.0081%
EXXON MOBIL CORP	XOM	433,543 30	2.52%	2.64%	6.00%	8.72%	0.2195%
DENTSPLY NTERNATIONAL INC	XRAY	6,359.18	0.04%	0.60%	8.50%	9.13%	0.0034%
XEROX CORP	XRX	14,247 96	0.08%	2.09%	6.00%	8.15%	0.0067%
XYLEM INC	XYL	6,608 68	0.04%	1.43%	10.50%	12.01%	0.0046%
YAHOO! INC	YHOO	35,700 20	0.21%	0.00%	10.00%	10.00%	0.0207%
YUM! BRANDS NC	YUM	34,017 97	0.20%	2.05%	9.50%	11.65%	0.0230%
ZIONS BANCORPORATION	ZION	5,385.18	0.03%	0.55%	0.00%	0.55%	0.0002%
Z MMER HOLDINGS INC	ZMH	17,385 88	0.10%	0.88%	9.50%	10.42%	0.0105%
ZOETIS INC	ZTS	14,945.18	0.09%	0.97%	0.00%	0 97%	0.0008%
Total Market Capitalization:		17,221,275 51					12 31%

Notes:
[1] Equals sum of Col. [9]
[2] Source: Bloomberg Professional
[3] Equals [1] − [2]
[4] Source: Value Line
[5] Equals weight in S&P 500 based on market capitalization
[6] Source: Value Line
[7] Source: Value Line
[8] Equals ([6] x (1 + (0.5 x [7]))) + [7]
[9] Equals Col. [5] x Col. [8]

Bloomberg and Value Line Beta Coefficients

COMBINATION PROXY GROUP		[1]	[2]	[2]
Company	Ticker	Bloomberg	Value Line	Calculated
Alliant Energy Corporation	LNT	0.757	0.80	0.80
Black Hills Corporation	BKH	0.823	0.90	1.07
CMS Energy Corporation	CMS	0.702	0.70	0.70
DTE Energy Company	DTE	0.723	0.85	0.69
SCANA Corporation	SCG	0.653	0.75	0.74
TECO Energy, Inc.	TE	0.742	0.95	0.77
Vectren Corporation	VVC	0.751	0.75	0.90
Mean		0.736	0.81	0.81

ELECTRIC PROXY GROUP		[1]	[2]	[3]
Company	Ticker	Bloomberg	Value Line	Calculated
American Electric Power Company, Inc.	AEP	0.755	0.70	0.76
Cleco Corp.	CNL	0.761	0.70	0.75
Duke Energy Corporation	DUK	0.642	0.70	0.63
Empire District Electric Company	EDE	0.720	0.75	0.79
Great Plains Energy Inc.	GXP	0.843	0.90	0.89
Hawaiian Electric Industries, Inc.	HE	0.782	0.80	0.88
IDACORP, Inc.	IDA	0.880	0.75	0.88
NextEra Energy, Inc.	NEE	0.717	0.75	0.71
Otter Tail Corporation	OTTR	0.898	0.95	1.14
Pinnacle West Capital Corporation	PNW	0.815	0.75	0.88
PNM Resources, Inc.	PNM	0.826	0.95	0.86
Portland General Electric Company	POR	0.830	0.75	0.79
Southern Company	SO	0.612	0.60	0.61
Westar Energy, Inc.	WR	0.749	0.80	0.75
Mean		0.774	0.78	0.81

COMBINED PROXY GROUP		[1]	[2]	[3]
Company	Ticker	Bloomberg	Value Line	Calculated
American Electric Power Company, Inc.	AEP	0.755	0.70	0.76
Cleco Corp.	CNL	0.761	0.70	0.75
Duke Energy Corporation	DUK	0.642	0.70	0.63
Empire District Electric Company	EDE	0.720	0.75	0.79
Great Plains Energy Inc.	GXP	0.843	0.90	0.89
Hawaiian Electric Industries, Inc.	HE	0.782	0.80	0.88
IDACORP, Inc.	IDA	0.880	0.75	0.88
NextEra Energy, Inc.	NEE	0.717	0.75	0.71
Otter Tail Corporation	OTTR	0.898	0.95	1.14
Pinnacle West Capital Corporation	PNW	0.815	0.75	0.88
PNM Resources, Inc.	PNM	0.826	0.95	0.86
Portland General Electric Company	POR	0.830	0.75	0.79
Southern Company	SO	0.612	0.60	0.61
Westar Energy, Inc.	WR	0.749	0.80	0.75
Alliant Energy Corporation	LNT	0.757	0.80	0.80
Black Hills Corporation	BKH	0.823	0.90	1.07
CMS Energy Corporation	CMS	0.702	0.70	0.70
DTE Energy Company	DTE	0.723	0.85	0.69
SCANA Corporation	SCG	0.653	0.75	0.74
TECO Energy, Inc.	TE	0.742	0.95	0.77
Vectren Corporation	VVC	0.751	0.75	0.90
Mean		0.761	0.79	0.81

Notes:
[1] Source: Bloomberg Professional
[2] Source: Value Line
[3] Source: Bloomberg Professional; Beta coefficients calculated over 12-months based on weekly returns

Capital Asset Pricing Model Results - Combination Proxy Group
Bloomberg and Value Line Derived Market Risk Premium

	[1]	[2]	[3]	[4]	[5]	[6]
			Ex-Ante Market Risk Premium		CAPM Result	
	Risk-Free Rate	Average Beta Coefficient	Bloomberg Market DCF Derived	Value Line Market DCF Derived	Bloomberg Market DCF Derived	Value Line Market DCF Derived
COMBINATION PROXY GROUP BLOOMBERG BETA COEFFICIENT						
29-Year Treasury, One-Year Forward [7]	3.72%	0.736	10.31%	8.71%	11.31%	10.13%
Blue Chip 2014 Consensus 30-Year Treasury [8]	3.97%	0.736	10.31%	8.71%	11.55%	10.37%
Blue Chip 2015 Consensus 30-Year Treasury [9]	4.30%	0.736	10.31%	8.71%	11.89%	10.71%
Mean					11.58%	10.40%

			Ex-Ante Market Risk Premium		CAPM Result	
	Risk-Free Rate	Average Beta Coefficient	Bloomberg Market DCF Derived	Value Line Market DCF Derived	Bloomberg Market DCF Derived	Value Line Market DCF Derived
COMBINATION PROXY GROUP VALUE LINE AVERAGE BETA COEFFICIENT						
29-Year Treasury, One-Year Forward [7]	3.72%	0.814	10.31%	8.71%	12.12%	10.81%
Blue Chip 2014 Consensus 30-Year Treasury [8]	3.97%	0.814	10.31%	8.71%	12.36%	11.06%
Blue Chip 2015 Consensus 30-Year Treasury [9]	4.30%	0.814	10.31%	8.71%	12.70%	11.39%
Mean					12.39%	11.09%

			Ex-Ante Market Risk Premium		CAPM Result	
	Risk-Free Rate	Average Beta Coefficient	Bloomberg Market DCF Derived	Value Line Market DCF Derived	Bloomberg Market DCF Derived	Value Line Market DCF Derived
COMBINATION PROXY GROUP AVERAGE 12-MONTH CALCULATED BETA COEFFICIENT						
29-Year Treasury, One-Year Forward [7]	3.72%	0.810	10.31%	8.71%	12.07%	10.77%
Blue Chip 2014 Consensus 30-Year Treasury [8]	3.97%	0.810	10.31%	8.71%	12.32%	11.02%
Blue Chip 2015 Consensus 30-Year Treasury [9]	4.30%	0.810	10.31%	8.71%	12.65%	11.35%
Mean					12.34%	11.05%

Notes:
[1] See Notes [7], [8], and [9]
[2] Source: Attachment No. RBH-5
[3] Source: Attachment No. RBH-4
[4] Source: Attachment No. RBH-4
[5] Equals Col. [1] + (Col. [2] x Col. [3])
[6] Equals Col. [1] + (Col. [2] x Col. [4])
[7] Source: Bloomberg Professional
[8] Source: Blue Chip Financial Forecasts, Vol. 33, No. 4, April 1, 2014, at 2
[9] Source: Blue Chip Financial Forecasts, Vol. 32, No. 12, December 1, 2013, at 14

Capital Asset Pricing Model Results - Electric Proxy Group
Bloomberg and Value Line Derived Market Risk Premium

	[1]	[2]	[3]	[4]	[5]	[6]
			Ex-Ante Market Risk Premium		CAPM Result	
	Risk-Free Rate	Average Beta Coefficient	Bloomberg Market DCF Derived	Value Line Market DCF Derived	Bloomberg Market DCF Derived	Value Line Market DCF Derived
ELECTRIC PROXY GROUP BLOOMBERG BETA COEFFICIENT						
29-Year Treasury, One-Year Forward [7]	3.72%	0.774	10.31%	8.71%	11.70%	10.46%
Blue Chip 2014 Consensus 30-Year Treasury [8]	3.97%	0.774	10.31%	8.71%	11.94%	10.70%
Blue Chip 2015 Consensus 30-Year Treasury [9]	4.30%	0.774	10.31%	8.71%	12.28%	11.04%
Mean					11.97%	10.73%

			Ex-Ante Market Risk Premium		CAPM Result	
	Risk-Free Rate	Average Beta Coefficient	Bloomberg Market DCF Derived	Value Line Market DCF Derived	Bloomberg Market DCF Derived	Value Line Market DCF Derived
ELECTRIC PROXY GROUP VALUE LINE AVERAGE BETA COEFFICIENT						
29-Year Treasury, One-Year Forward [7]	3.72%	0.775	10.31%	8.71%	11.71%	10.47%
Blue Chip 2014 Consensus 30-Year Treasury [8]	3.97%	0.775	10.31%	8.71%	11.96%	10.71%
Blue Chip 2015 Consensus 30-Year Treasury [9]	4.30%	0.775	10.31%	8.71%	12.29%	11.05%
Mean					11.99%	10.74%

			Ex-Ante Market Risk Premium		CAPM Result	
	Risk-Free Rate	Average Beta Coefficient	Bloomberg Market DCF Derived	Value Line Market DCF Derived	Bloomberg Market DCF Derived	Value Line Market DCF Derived
ELECTRIC PROXY GROUP AVERAGE 12-MONTH CALCULATED BETA COEFFICIENT						
29-Year Treasury, One-Year Forward [7]	3.72%	0.809	10.31%	8.71%	12.06%	10.76%
Blue Chip 2014 Consensus 30-Year Treasury [8]	3.97%	0.809	10.31%	8.71%	12.31%	11.01%
Blue Chip 2015 Consensus 30-Year Treasury [9]	4.30%	0.809	10.31%	8.71%	12.64%	11.35%
Mean					12.34%	11.04%

Notes:
[1] See Notes [7], [8], and [9]
[2] Source: Attachment No. RBH-5
[3] Source: Attachment No. RBH-4
[4] Source: Attachment No. RBH-4
[5] Equals Col. [1] + (Col. [2] x Col. [3])
[6] Equals Col. [1] + (Col. [2] x Col. [4])
[7] Source: Bloomberg Professional
[8] Source: Blue Chip Financial Forecasts, Vol. 33, No. 4, April 1, 2014, at 2
[9] Source: Blue Chip Financial Forecasts, Vol. 32, No. 12, December 1, 2013, at 14

Capital Asset Pricing Model Results - Combined Proxy Group
Bloomberg and Value Line Derived Market Risk Premium

	[1]	[2]	[3]	[4]	[5]	[6]
			Ex-Ante Market Risk Premium		CAPM Result	
	Risk-Free Rate	Average Beta Coefficient	Bloomberg Market DCF Derived	Value Line Market DCF Derived	Bloomberg Market DCF Derived	Value Line Market DCF Derived
COMBINED PROXY GROUP BLOOMBERG BETA COEFFICIENT						
29-Year Treasury, One-Year Forward [7]	3.72%	0.761	10.31%	8.71%	11.57%	10.35%
Blue Chip 2014 Consensus 30-Year Treasury [8]	3.97%	0.761	10.31%	8.71%	11.81%	10.59%
Blue Chip 2015 Consensus 30-Year Treasury [9]	4.30%	0.761	10.31%	8.71%	12.15%	10.93%
Mean					11.84%	10.62%

			Ex-Ante Market Risk Premium		CAPM Result	
	Risk-Free Rate	Average Beta Coefficient	Bloomberg Market DCF Derived	Value Line Market DCF Derived	Bloomberg Market DCF Derived	Value Line Market DCF Derived
COMBINED PROXY GROUP VALUE LINE AVERAGE BETA COEFFICIENT						
29-Year Treasury, One-Year Forward [7]	3.72%	0.788	10.31%	8.71%	11.85%	10.58%
Blue Chip 2014 Consensus 30-Year Treasury [8]	3.97%	0.788	10.31%	8.71%	12.09%	10.83%
Blue Chip 2015 Consensus 30-Year Treasury [9]	4.30%	0.788	10.31%	8.71%	12.43%	11.16%
Mean					12.12%	10.86%

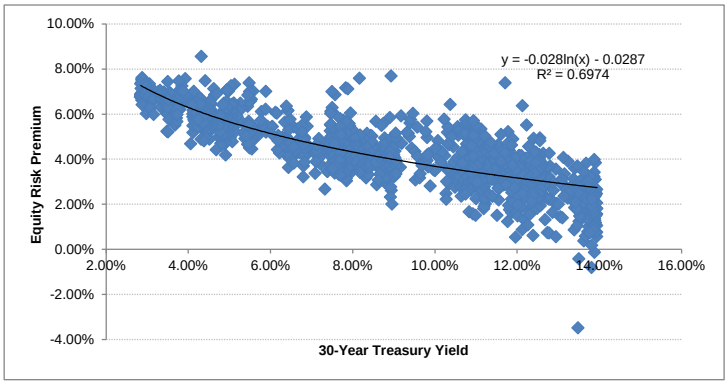
			Ex-Ante Market Risk Premium		CAPM Result	
	Risk-Free Rate	Average Beta Coefficient	Bloomberg Market DCF Derived	Value Line Market DCF Derived	Bloomberg Market DCF Derived	Value Line Market DCF Derived
COMBINED PROXY GROUP AVERAGE 12-MONTH CALCULATED BETA COEFFICIENT						
29-Year Treasury, One-Year Forward [7]	3.72%	0.809	10.31%	8.71%	12.07%	10.77%
Blue Chip 2014 Consensus 30-Year Treasury [8]	3.97%	0.809	10.31%	8.71%	12.31%	11.01%
Blue Chip 2015 Consensus 30-Year Treasury [9]	4.30%	0.809	10.31%	8.71%	12.65%	11.35%
Mean					12.34%	11.04%

Notes:
[1] See Notes [7], [8], and [9]
[2] Source: Attachment No. RBH-5
[3] Source: Attachment No. RBH-4
[4] Source: Attachment No. RBH-4
[5] Equals Col. [1] + (Col. [2] x Col. [3])
[6] Equals Col. [1] + (Col. [2] x Col. [4])
[7] Source: Bloomberg Professional
[8] Source: Blue Chip Financial Forecasts, Vol. 33, No. 4, April 1, 2014, at 2
[9] Source: Blue Chip Financial Forecasts, Vol. 32, No. 12, December 1, 2013, at 14

Bond Yield Plus Risk Premium Analysis - Electric Utilities

	[1] Constant	[2] Slope	[3] 30-Year Treasury Yield	[4] Risk Premium	[5] Return on Equity
29-Year Treasury, One-Year Forward [6]	-2.87%	-2.85%	3.72%	6.50%	10 22%
Blue Chip 2014 Consensus 30-Year Treasury [7]	-2.87%	-2.85%	3.97%	6.32%	10 29%
Blue Chip 2015 Consensus 30-Year Treasury [8]	-2.87%	-2.85%	4.30%	6.09%	10 39%

Notes:
Excludes authorized returns from Virginia Rate Rider cases.
[1] Constant of regression equation
[2] Slope of regression equation
[3] See Notes [6] and [7]
[4] Equals [1] + [2] x ln([3])
[5] Equals [3] + [4]
[6] Source: Bloomberg Professional
[7] Source: Blue Chip Financial Forecasts, Vol. 33, No. 4, April 1, 2014, at 2
[8] Source: Blue Chip Financial Forecasts, Vol. 32, No. 12, December 1, 2013, at 14
[9] Source: SNL Financial
[10] Source: SNL Financial
[11] Source: Bloomberg Professional, equals 201-trading day average (i e. lag period)
[12] Equals [10] - [11]



[6] Date of Electric Rate Case	[7] Return on Equity	[8] Average 30-Year Treasury Yield	[9] Risk Premium
1/1/1980	14.50%	9.36%	5.14%
1/7/1980	14.39%	9.38%	5.01%
1/9/1980	15.00%	9.40%	5.60%
1/14/1980	15.17%	9.42%	5.75%
1/17/1980	13.93%	9.44%	4.49%
1/23/1980	15.50%	9.47%	6.03%
1/30/1980	13.86%	9.52%	4.34%
1/31/1980	12.61%	9.53%	3.08%
2/6/1980	13.71%	9.58%	4.13%
2/13/1980	12.80%	9.63%	3.17%
2/14/1980	13.00%	9.65%	3.35%
2/19/1980	13.50%	9.68%	3.82%
2/27/1980	13.75%	9.78%	3.97%
2/29/1980	13.75%	9.81%	3.94%
2/29/1980	14.00%	9.81%	4.19%
2/29/1980	14.77%	9.81%	4.96%
3/7/1980	12.70%	9.89%	2.81%
3/14/1980	13.50%	9.97%	3.53%
3/26/1980	14.16%	10.10%	4.06%
3/27/1980	14.24%	10.12%	4.12%
3/28/1980	14.50%	10.13%	4.37%
4/11/1980	12.75%	10.27%	2.48%
4/14/1980	13.85%	10.29%	3.56%
4/16/1980	15.50%	10.31%	5.19%
4/22/1980	13.25%	10.35%	2.90%
4/22/1980	13.90%	10.35%	3.55%
4/24/1980	16.80%	10.38%	6.43%
4/29/1980	15.50%	10.41%	5.09%
5/6/1980	13.70%	10.45%	3.25%
5/7/1980	15.00%	10.45%	4.55%
5/8/1980	13.75%	10.46%	3.29%
5/9/1980	14.35%	10.47%	3 88%
5/13/1980	13.60%	10.48%	3.12%
5/15/1980	13.25%	10.49%	2.76%

[6]	[7]	[8]	[9]
Date of Electric Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
5/19/1980	13.75%	10.51%	3.24%
5/27/1980	13.62%	10.54%	3.08%
5/27/1980	14.60%	10.54%	4.06%
5/29/1980	16.00%	10.56%	5.44%
5/30/1980	13.80%	10.56%	3.24%
6/2/1980	15.63%	10.57%	5.06%
6/9/1980	15.90%	10.60%	5.30%
6/10/1980	13.78%	10.60%	3.18%
6/12/1980	14.25%	10.61%	3.64%
6/19/1980	13.40%	10.62%	2.78%
6/30/1980	13.00%	10.65%	2.35%
6/30/1980	13.40%	10.65%	2.75%
7/9/1980	14.75%	10.67%	4.08%
7/10/1980	15.00%	10.68%	4.32%
7/15/1980	15.80%	10.70%	5.10%
7/18/1980	13.80%	10.71%	3.09%
7/22/1980	14.10%	10.72%	3.38%
7/24/1980	15.00%	10.73%	4.27%
7/25/1980	13.48%	10.73%	2.75%
7/31/1980	14.58%	10.75%	3.83%
8/8/1980	13.50%	10.78%	2.72%
8/8/1980	14.00%	10.78%	3.22%
8/8/1980	15.45%	10.78%	4.67%
8/11/1980	14.85%	10.78%	4.07%
8/14/1980	14.00%	10.79%	3.21%
8/14/1980	16.25%	10.79%	5.46%
8/25/1980	13.75%	10.82%	2.93%
8/27/1980	13.80%	10.83%	2.97%
8/29/1980	12.50%	10.84%	1.66%
9/15/1980	13.50%	10.88%	2.62%
9/15/1980	13.93%	10.88%	3.05%
9/15/1980	15.80%	10.88%	4.92%
9/24/1980	12.50%	10.93%	1.57%
9/24/1980	15.00%	10.93%	4.07%
9/26/1980	13.75%	10.94%	2.81%
9/30/1980	14.10%	10.96%	3.14%
9/30/1980	14.20%	10.96%	3.24%
10/1/1980	13.90%	10.97%	2.93%
10/3/1980	15.50%	10.98%	4.52%
10/7/1980	12.50%	10.99%	1.51%
10/9/1980	13.25%	11.00%	2.25%
10/9/1980	14.50%	11.00%	3.50%
10/9/1980	14.50%	11.00%	3.50%
10/16/1980	16.10%	11.02%	5.08%
10/17/1980	14.50%	11.03%	3.47%
10/31/1980	13.75%	11.11%	2.64%
10/31/1980	14.25%	11.11%	3.14%
11/4/1980	15.00%	11.12%	3.88%
11/5/1980	13.75%	11.12%	2.63%
11/5/1980	14.00%	11.12%	2.88%
11/8/1980	13.75%	11.14%	2.61%
11/10/1980	14.85%	11.15%	3.70%
11/17/1980	14.00%	11.18%	2.82%
11/18/1980	14.00%	11.19%	2.81%
11/19/1980	13.00%	11.19%	1.81%
11/24/1980	14.00%	11.21%	2.79%
11/26/1980	14.00%	11.21%	2.79%
12/8/1980	14.15%	11.22%	2 93%
12/8/1980	15.10%	11.22%	3 88%
12/9/1980	15.35%	11.22%	4.13%
12/12/1980	15.45%	11.23%	4 22%
12/17/1980	13.25%	11.23%	2 02%
12/18/1980	15.80%	11.23%	4 57%
12/19/1980	14.50%	11.23%	3 27%
12/19/1980	14.64%	11.23%	3.41%
12/22/1980	13.45%	11.23%	2 22%
12/22/1980	15.00%	11.23%	3.77%
12/30/1980	14.50%	11.22%	3 28%
12/30/1980	14.95%	11.22%	3.73%
12/31/1980	13.39%	11.22%	2.17%
1/2/1981	15.25%	11.22%	4.03%
1/7/1981	14.30%	11.21%	3.09%
1/19/1981	15.25%	11.20%	4.05%
1/23/1981	13.10%	11.20%	1.90%
1/23/1981	14.40%	11.20%	3.20%
1/26/1981	15.25%	11.20%	4.05%
1/27/1981	15.00%	11.21%	3.79%
1/31/1981	13.47%	11.22%	2.25%
2/3/1981	15.25%	11.23%	4.02%
2/5/1981	15.75%	11.25%	4.50%

[6]	[7]	[8]	[9]
Date of Electric Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
2/11/1981	15.60%	11.28%	4.32%
2/20/1981	15.25%	11.33%	3.92%
3/11/1981	15.40%	11.49%	3.91%
3/12/1981	14.51%	11.50%	3.01%
3/12/1981	16.00%	11.50%	4.50%
3/13/1981	13.02%	11.52%	1.50%
3/18/1981	16.19%	11.55%	4.64%
3/19/1981	13.75%	11.56%	2.19%
3/23/1981	14.30%	11.58%	2.72%
3/25/1981	15.30%	11.60%	3.70%
4/1/1981	14.53%	11.68%	2.85%
4/3/1981	19.10%	11.71%	7.39%
4/9/1981	15.00%	11.78%	3.22%
4/9/1981	15.30%	11.78%	3.52%
4/9/1981	16.50%	11.78%	4.72%
4/9/1981	17.00%	11.78%	5.22%
4/10/1981	13.75%	11.80%	1.95%
4/13/1981	13.57%	11.82%	1.75%
4/15/1981	15.30%	11.85%	3.45%
4/16/1981	13.50%	11.87%	1.63%
4/17/1981	14.10%	11.87%	2.23%
4/21/1981	14.00%	11.90%	2.10%
4/21/1981	16.80%	11.90%	4.90%
4/24/1981	16.00%	11.95%	4.05%
4/27/1981	12.50%	11.97%	0.53%
4/27/1981	13.61%	11.97%	1.64%
4/29/1981	13.65%	12.00%	1.65%
4/30/1981	13.50%	12.02%	1.48%
5/4/1981	16.22%	12.05%	4.17%
5/5/1981	14.40%	12.07%	2.33%
5/7/1981	16.25%	12.11%	4.14%
5/7/1981	16.27%	12.11%	4.16%
5/8/1981	13.00%	12.13%	0 87%
5/8/1981	16.00%	12.13%	3 87%
5/12/1981	13.50%	12.16%	1.34%
5/15/1981	15.75%	12.22%	3.53%
5/18/1981	14.88%	12.23%	2.65%
5/20/1981	16.00%	12.26%	3.74%
5/21/1981	14.00%	12.27%	1.73%
5/26/1981	14.90%	12.30%	2.60%
5/27/1981	15.00%	12.31%	2.69%
5/29/1981	15.50%	12.34%	3.16%
6/1/1981	16.50%	12.35%	4.15%
6/3/1981	14.67%	12.37%	2.30%
6/5/1981	13.00%	12.39%	0.61%
6/10/1981	16.75%	12.42%	4.33%
6/17/1981	14.40%	12.46%	1.94%
6/18/1981	16.33%	12.47%	3.86%
6/25/1981	14.75%	12.51%	2.24%
6/26/1981	16.00%	12.52%	3.48%
6/30/1981	15.25%	12.54%	2.71%
7/1/1981	15.50%	12.56%	2.94%
7/1/1981	17.50%	12.56%	4.94%
7/10/1981	16.00%	12.62%	3.38%
7/14/1981	16.90%	12.64%	4.26%
7/15/1981	16.00%	12.65%	3.35%
7/17/1981	15.00%	12.67%	2.33%
7/20/1981	15.00%	12.68%	2.32%
7/21/1981	14.00%	12.69%	1.31%
7/28/1981	13.48%	12.74%	0.74%
7/31/1981	13.50%	12.78%	0.72%
7/31/1981	15.00%	12.78%	2.22%
7/31/1981	16.00%	12.78%	3.22%
8/5/1981	15.71%	12.83%	2.88%
8/10/1981	14.50%	12.87%	1.63%
8/11/1981	15.00%	12.88%	2.12%
8/20/1981	13.50%	12.95%	0.55%
8/20/1981	16.50%	12.95%	3.55%
8/24/1981	15.00%	12.97%	2.03%
8/28/1981	15.00%	13.01%	1.99%
9/3/1981	14.50%	13.05%	1.45%
9/10/1981	14.50%	13.11%	1.39%
9/11/1981	16.00%	13.12%	2.88%
9/16/1981	16.00%	13.15%	2.85%
9/17/1981	16.50%	13.16%	3.34%
9/23/1981	15.85%	13.20%	2.65%
9/28/1981	15.50%	13.23%	2.27%
10/9/1981	15.75%	13.33%	2.42%
10/15/1981	16.25%	13.37%	2.88%
10/16/1981	15.50%	13.38%	2.12%

[6]	[7]	[8]	[9]
Date of Electric Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
10/16/1981	16.50%	13.38%	3.12%
10/19/1981	14.25%	13.39%	0.86%
10/20/1981	15.25%	13.41%	1.84%
10/20/1981	17.00%	13.41%	3.59%
10/23/1981	16.00%	13.45%	2.55%
10/27/1981	10.00%	13.48%	-3.48%
10/29/1981	14.75%	13.51%	1.24%
10/29/1981	16.50%	13.51%	2.99%
11/3/1981	15.17%	13.53%	1.64%
11/5/1981	16.60%	13.55%	3.05%
11/6/1981	15.17%	13.56%	1.61%
11/24/1981	15.50%	13.61%	1.89%
11/25/1981	15.25%	13.61%	1 64%
11/25/1981	15.35%	13.61%	1.74%
11/25/1981	16.10%	13.61%	2.49%
11/25/1981	16.10%	13.61%	2.49%
12/1/1981	15.70%	13.61%	2 09%
12/1/1981	16.00%	13.61%	2 39%
12/1/1981	16.49%	13.61%	2 88%
12/1/1981	16.50%	13.61%	2 89%
12/4/1981	16.00%	13.61%	2 39%
12/11/1981	16.25%	13.63%	2 62%
12/14/1981	14.00%	13.63%	0 37%
12/15/1981	15.81%	13.63%	2.18%
12/15/1981	16.00%	13.63%	2 37%
12/16/1981	15.25%	13.63%	1 62%
12/17/1981	16.50%	13.63%	2 87%
12/18/1981	15.45%	13.63%	1 82%
12/30/1981	14.25%	13.67%	0 58%
12/30/1981	16.00%	13.67%	2 33%
12/30/1981	16.25%	13.67%	2 58%
12/31/1981	16.15%	13.67%	2.48%
1/4/1982	15.50%	13.67%	1 83%
1/11/1982	14.50%	13.72%	0.78%
1/11/1982	17.00%	13.72%	3.28%
1/13/1982	14.75%	13.74%	1.01%
1/14/1982	15.75%	13.75%	2.00%
1/15/1982	15.00%	13.76%	1.24%
1/15/1982	16.50%	13.76%	2.74%
1/22/1982	16.25%	13.79%	2.46%
1/27/1982	16.84%	13.81%	3.03%
1/28/1982	13.00%	13.81%	-0.81%
1/29/1982	15.50%	13.82%	1.68%
2/1/1982	15.85%	13.82%	2.03%
2/3/1982	16.44%	13.84%	2.60%
2/8/1982	15.50%	13.86%	1.64%
2/11/1982	16.00%	13.88%	2.12%
2/11/1982	16.20%	13.88%	2.32%
2/17/1982	15.00%	13.89%	1.11%
2/19/1982	15.17%	13.89%	1.28%
2/26/1982	15.25%	13.89%	1.36%
3/1/1982	15.03%	13.89%	1.14%
3/1/1982	16.00%	13.89%	2.11%
3/3/1982	15.00%	13.88%	1.12%
3/3/1982	15.00%	13.88%	1.12%
3/8/1982	17.10%	13.88%	3 22%
3/12/1982	16.25%	13.88%	2 37%
3/17/1982	17.30%	13.88%	3.42%
3/22/1982	15.10%	13.89%	1 21%
3/27/1982	15.40%	13.89%	1 51%
3/30/1982	15.50%	13.90%	1 60%
3/31/1982	17.00%	13.91%	3 09%
4/1/1982	14.70%	13.91%	0.79%
4/1/1982	16.50%	13.91%	2 59%
4/2/1982	15.50%	13.91%	1 59%
4/5/1982	15.50%	13.92%	1 58%
4/8/1982	16.40%	13.93%	2.47%
4/13/1982	14.50%	13.94%	0 56%
4/23/1982	15.75%	13.94%	1.81%
4/27/1982	15.00%	13.94%	1.06%
4/28/1982	15.75%	13.94%	1.81%
4/30/1982	14.70%	13.94%	0.76%
4/30/1982	15.50%	13.94%	1.56%
5/3/1982	16.60%	13.94%	2.66%
5/4/1982	16.00%	13.94%	2.06%
5/14/1982	15.50%	13.92%	1.58%
5/18/1982	15.42%	13.92%	1.50%
5/19/1982	14.69%	13.92%	0.77%
5/20/1982	15.00%	13.91%	1.09%
5/20/1982	15.10%	13.91%	1.19%

[6]	[7]	[8]	[9]
Date of Electric Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
5/20/1982	15.50%	13.91%	1.59%
5/20/1982	16.30%	13.91%	2.39%
5/21/1982	17.75%	13.91%	3.84%
5/27/1982	15.00%	13.89%	1.11%
5/28/1982	15.50%	13.89%	1.61%
5/28/1982	17.00%	13.89%	3.11%
6/1/1982	13.75%	13.89%	-0.14%
6/1/1982	16.60%	13.89%	2.71%
6/9/1982	17.86%	13.88%	3.98%
6/14/1982	15.75%	13.88%	1.87%
6/15/1982	14.85%	13.88%	0.97%
6/18/1982	15.50%	13.87%	1.63%
6/21/1982	14.90%	13.87%	1.03%
6/23/1982	16.00%	13.86%	2.14%
6/23/1982	16.17%	13.86%	2.31%
6/24/1982	14.85%	13.86%	0.99%
6/25/1982	14.70%	13.86%	0.84%
7/1/1982	16.00%	13.84%	2.16%
7/2/1982	15.62%	13.84%	1.78%
7/2/1982	17.00%	13.84%	3.16%
7/13/1982	14.00%	13.82%	0.18%
7/13/1982	16.80%	13.82%	2.98%
7/14/1982	15.76%	13.82%	1.94%
7/14/1982	16.02%	13.82%	2.20%
7/19/1982	16.50%	13.80%	2.70%
7/22/1982	14.50%	13.77%	0.73%
7/22/1982	17.00%	13.77%	3.23%
7/27/1982	16.75%	13.75%	3.00%
7/29/1982	16.50%	13.74%	2.76%
8/11/1982	17.50%	13.68%	3.82%
8/18/1982	17.07%	13.63%	3.44%
8/20/1982	15.73%	13.60%	2.13%
8/25/1982	16.00%	13.57%	2.43%
8/26/1982	15.50%	13.56%	1.94%
8/30/1982	15.00%	13.55%	1.45%
9/3/1982	16.20%	13.53%	2.67%
9/8/1982	15.00%	13.52%	1.48%
9/15/1982	13.08%	13.50%	-0.42%
9/15/1982	16.25%	13.50%	2.75%
9/16/1982	16.00%	13.50%	2.50%
9/17/1982	15.25%	13.50%	1.75%
9/23/1982	17.17%	13.47%	3.70%
9/24/1982	14.50%	13.46%	1.04%
9/27/1982	15.25%	13.46%	1.79%
10/1/1982	15.50%	13.42%	2.08%
10/15/1982	15.90%	13.32%	2.58%
10/22/1982	15.75%	13.24%	2.51%
10/22/1982	17.15%	13.24%	3.91%
10/29/1982	15.54%	13.16%	2.38%
11/1/1982	15.50%	13.15%	2.35%
11/3/1982	17.20%	13.13%	4.07%
11/4/1982	16.25%	13.11%	3.14%
11/5/1982	16.20%	13.09%	3.11%
11/9/1982	16.00%	13.05%	2.95%
11/23/1982	15.50%	12.89%	2.61%
11/23/1982	15.85%	12.89%	2 96%
11/30/1982	16.50%	12.81%	3 69%
12/1/1982	17.04%	12.79%	4 25%
12/6/1982	15.00%	12.73%	2 27%
12/6/1982	16.35%	12.73%	3 62%
12/10/1982	15.50%	12.66%	2 84%
12/13/1982	16.00%	12.65%	3 35%
12/14/1982	15.30%	12.63%	2 67%
12/14/1982	16.40%	12.63%	3.77%
12/20/1982	16.00%	12.57%	3.43%
12/21/1982	14.75%	12.56%	2.19%
12/21/1982	15.85%	12.56%	3 29%
12/22/1982	16.25%	12.54%	3.71%
12/22/1982	16.58%	12.54%	4.04%
12/22/1982	16.75%	12.54%	4.21%
12/29/1982	14.90%	12.48%	2.42%
12/29/1982	16.25%	12.48%	3.77%
12/30/1982	16.00%	12.47%	3.53%
12/30/1982	16.35%	12.47%	3.88%
12/30/1982	16.77%	12.47%	4.30%
1/5/1983	17.33%	12.40%	4.93%
1/11/1983	15.90%	12.34%	3.56%
1/12/1983	14.63%	12.33%	2.30%
1/12/1983	15.50%	12.33%	3.17%
1/20/1983	17.75%	12.24%	5.51%

[6]	[7]	[8]	[9]
Date of Electric Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
1/21/1983	15.00%	12.22%	2.78%
1/24/1983	14.50%	12.21%	2.29%
1/24/1983	15.50%	12.21%	3.29%
1/25/1983	15.85%	12.19%	3.66%
1/27/1983	16.14%	12.17%	3.97%
2/1/1983	18.50%	12.13%	6.37%
2/4/1983	14.00%	12.10%	1.90%
2/10/1983	15.00%	12.06%	2.94%
2/21/1983	15.50%	11.98%	3.52%
2/22/1983	15.50%	11.97%	3.53%
2/23/1983	15.10%	11.96%	3.14%
2/23/1983	16.00%	11.96%	4.04%
3/2/1983	15.25%	11.89%	3.36%
3/9/1983	15.20%	11.82%	3.38%
3/15/1983	13.00%	11.77%	1.23%
3/18/1983	15.25%	11.73%	3.52%
3/23/1983	15.40%	11.69%	3.71%
3/24/1983	15.00%	11.67%	3.33%
3/29/1983	15.50%	11.63%	3.87%
3/30/1983	16.71%	11.61%	5.10%
3/31/1983	15.00%	11.59%	3.41%
4/4/1983	15.20%	11.58%	3.62%
4/8/1983	15.50%	11.51%	3.99%
4/11/1983	14.81%	11.49%	3.32%
4/19/1983	14.50%	11.38%	3.12%
4/20/1983	16.00%	11.36%	4.64%
4/29/1983	16.00%	11.24%	4.76%
5/1/1983	14.50%	11.24%	3.26%
5/9/1983	15.50%	11.15%	4.35%
5/11/1983	16.46%	11.12%	5.34%
5/12/1983	14.14%	11.11%	3.03%
5/18/1983	15.00%	11.05%	3.95%
5/23/1983	14.90%	11.01%	3.89%
5/23/1983	15.50%	11.01%	4.49%
5/25/1983	15.50%	10.98%	4.52%
5/27/1983	15.00%	10.96%	4.04%
5/31/1983	14.00%	10.95%	3.05%
5/31/1983	15.50%	10.95%	4.55%
6/2/1983	14.50%	10.93%	3.57%
6/17/1983	15.03%	10.84%	4.19%
7/1/1983	14.80%	10.78%	4.02%
7/1/1983	14.90%	10.78%	4.12%
7/8/1983	16.25%	10.76%	5.49%
7/13/1983	13.20%	10.75%	2.45%
7/19/1983	15.00%	10.74%	4.26%
7/19/1983	15.10%	10.74%	4.36%
7/25/1983	16.25%	10.73%	5.52%
7/28/1983	15.90%	10.74%	5.16%
8/3/1983	16.34%	10.75%	5.59%
8/3/1983	16.50%	10.75%	5.75%
8/19/1983	15.00%	10.80%	4.20%
8/22/1983	15.50%	10.80%	4.70%
8/22/1983	16.40%	10.80%	5.60%
8/31/1983	14.75%	10.84%	3.91%
9/7/1983	15.00%	10.86%	4.14%
9/14/1983	15.78%	10.89%	4.89%
9/16/1983	15.00%	10.90%	4.10%
9/19/1983	14.50%	10.91%	3.59%
9/20/1983	16.50%	10.91%	5.59%
9/28/1983	14.50%	10.94%	3.56%
9/29/1983	15.50%	10.95%	4.55%
9/30/1983	15.25%	10.95%	4.30%
9/30/1983	16.15%	10.95%	5.20%
10/4/1983	14.80%	10.96%	3.84%
10/7/1983	16.00%	10.97%	5.03%
10/13/1983	15.52%	10.99%	4.53%
10/17/1983	15.50%	11.00%	4 50%
10/18/1983	14.50%	11.00%	3 50%
10/19/1983	16.25%	11.01%	5.24%
10/19/1983	16.50%	11.01%	5.49%
10/26/1983	15.00%	11.04%	3.96%
10/27/1983	15.20%	11.04%	4.16%
11/1/1983	16.00%	11.06%	4.94%
11/9/1983	14.90%	11.09%	3.81%
11/10/1983	14.35%	11.10%	3.25%
11/23/1983	16.00%	11.13%	4.87%
11/23/1983	16.15%	11.13%	5.02%
11/30/1983	15.00%	11.14%	3.86%
12/5/1983	15.25%	11.15%	4.10%
12/6/1983	15.07%	11.15%	3.92%

[6]	[7]	[8]	[9]
Date of Electric Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
12/8/1983	15.90%	11.16%	4.74%
12/9/1983	14.75%	11.17%	3.58%
12/12/1983	14.50%	11.17%	3.33%
12/15/1983	15.56%	11.19%	4.37%
12/19/1983	14.80%	11.21%	3.59%
12/20/1983	14.69%	11.22%	3.47%
12/20/1983	16.00%	11.22%	4.78%
12/20/1983	16.25%	11.22%	5.03%
12/22/1983	14.75%	11.23%	3.52%
12/22/1983	15.75%	11.23%	4.52%
1/3/1984	14.75%	11.27%	3.48%
1/10/1984	15.90%	11.30%	4 60%
1/12/1984	15.60%	11.31%	4 29%
1/18/1984	13.75%	11.33%	2.42%
1/19/1984	15.90%	11.33%	4 57%
1/30/1984	16.10%	11.37%	4.73%
1/31/1984	15.25%	11.37%	3 88%
2/1/1984	14.80%	11.38%	3.42%
2/6/1984	13.75%	11.40%	2 35%
2/6/1984	14.75%	11.40%	3 35%
2/9/1984	15.25%	11.42%	3 83%
2/15/1984	15.70%	11.44%	4 26%
2/20/1984	15.00%	11.46%	3 54%
2/20/1984	15.00%	11.46%	3 54%
2/22/1984	14.75%	11.47%	3 28%
2/28/1984	14.50%	11.51%	2 99%
3/2/1984	14.25%	11.54%	2.71%
3/20/1984	16.00%	11.64%	4 36%
3/23/1984	15.50%	11.67%	3 83%
3/26/1984	14.71%	11.68%	3 03%
4/2/1984	15.50%	11.71%	3.79%
4/6/1984	14.74%	11.75%	2 99%
4/11/1984	15.72%	11.78%	3 94%
4/17/1984	15.00%	11.81%	3.19%
4/18/1984	16.20%	11.82%	4.38%
4/25/1984	14.64%	11.85%	2.79%
4/30/1984	14.40%	11.87%	2.53%
5/16/1984	14.69%	11.98%	2.71%
5/16/1984	15.00%	11.98%	3.02%
5/22/1984	14.40%	12.02%	2.38%
5/29/1984	15.10%	12.06%	3.04%
6/13/1984	15.25%	12.15%	3.10%
6/15/1984	15.60%	12.17%	3.43%
6/22/1984	16.25%	12.21%	4.04%
6/29/1984	15.25%	12.26%	2.99%
7/2/1984	13.35%	12.27%	1.08%
7/10/1984	16.00%	12.31%	3.69%
7/12/1984	16.50%	12.32%	4.18%
7/13/1984	16.25%	12.33%	3.92%
7/17/1984	14.14%	12.35%	1.79%
7/18/1984	15.30%	12.36%	2.94%
7/18/1984	15.50%	12.36%	3.14%
7/19/1984	14.30%	12.37%	1.93%
7/24/1984	16.79%	12.39%	4.40%
7/31/1984	16.00%	12.43%	3.57%
8/3/1984	14.25%	12.44%	1.81%
8/17/1984	14.30%	12.49%	1.81%
8/20/1984	15.00%	12.49%	2.51%
8/27/1984	16.30%	12.51%	3.79%
8/31/1984	15.55%	12.52%	3.03%
9/6/1984	16.00%	12.53%	3.47%
9/10/1984	14.75%	12.54%	2.21%
9/13/1984	15.00%	12.55%	2.45%
9/17/1984	17.38%	12.56%	4.82%
9/26/1984	14.50%	12.57%	1.93%
9/28/1984	15.00%	12.57%	2.43%
9/28/1984	16.25%	12.57%	3.68%
10/9/1984	14.75%	12.58%	2.17%
10/12/1984	15.60%	12.59%	3.01%
10/22/1984	15.00%	12.59%	2.41%
10/26/1984	16.40%	12.58%	3.82%
10/31/1984	16.25%	12.58%	3.67%
11/7/1984	15.60%	12.58%	3.02%
11/9/1984	16.00%	12.58%	3.42%
11/14/1984	15.75%	12.58%	3.17%
11/20/1984	15.25%	12.58%	2.67%
11/20/1984	15.92%	12.58%	3.34%
11/23/1984	15.00%	12.58%	2.42%
11/28/1984	16.15%	12.57%	3 58%
12/3/1984	15.80%	12.56%	3.24%

[6]	[7]	[8]	[9]
Date of Electric Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
12/4/1984	16.50%	12.56%	3.94%
12/18/1984	16.40%	12.53%	3.87%
12/19/1984	14.75%	12.53%	2.22%
12/19/1984	15.00%	12.53%	2.47%
12/20/1984	16.00%	12.53%	3.47%
12/28/1984	16.00%	12.50%	3.50%
1/3/1985	14.75%	12.49%	2.26%
1/10/1985	15.75%	12.47%	3.28%
1/11/1985	16.30%	12.46%	3.84%
1/23/1985	15.80%	12.43%	3.37%
1/24/1985	15.82%	12.43%	3.39%
1/25/1985	16.75%	12.42%	4.33%
1/30/1985	14.90%	12.40%	2.50%
1/31/1985	14.75%	12.39%	2.36%
2/8/1985	14.47%	12.35%	2.12%
3/1/1985	13.84%	12.31%	1.53%
3/8/1985	16.85%	12.28%	4 57%
3/14/1985	15.50%	12.25%	3 25%
3/15/1985	15.62%	12.25%	3 37%
3/29/1985	15.62%	12.17%	3.45%
4/3/1985	14.60%	12.14%	2.46%
4/9/1985	15.50%	12.11%	3 39%
4/16/1985	15.70%	12.06%	3 64%
4/22/1985	14.00%	12.02%	1 98%
4/26/1985	15.50%	11.98%	3 52%
4/29/1985	15.00%	11.97%	3 03%
5/2/1985	14.68%	11.94%	2.74%
5/8/1985	15.62%	11.89%	3.73%
5/10/1985	16.50%	11.87%	4 63%
5/29/1985	14.61%	11.73%	2 88%
5/31/1985	16.00%	11.71%	4 29%
6/14/1985	15.50%	11.61%	3 89%
7/9/1985	15.00%	11.45%	3 55%
7/16/1985	14.50%	11.39%	3.11%
7/26/1985	14.50%	11.33%	3.17%
8/2/1985	14.80%	11.29%	3.51%
8/7/1985	15.00%	11.27%	3.73%
8/28/1985	14.25%	11.15%	3.10%
8/28/1985	15.50%	11.15%	4.35%
8/29/1985	14.50%	11.15%	3.35%
9/9/1985	14.60%	11.11%	3.49%
9/9/1985	14.90%	11.11%	3.79%
9/17/1985	14.90%	11.08%	3.82%
9/23/1985	15.00%	11.06%	3.94%
9/27/1985	15.50%	11.05%	4.45%
9/27/1985	15.80%	11.05%	4.75%
10/2/1985	14.00%	11.03%	2.97%
10/2/1985	14.75%	11.03%	3.72%
10/3/1985	15.25%	11.03%	4.22%
10/24/1985	15.40%	10.96%	4.44%
10/24/1985	15.82%	10.96%	4.86%
10/24/1985	15.85%	10.96%	4.89%
10/28/1985	16.00%	10.95%	5.05%
10/29/1985	16.65%	10.94%	5.71%
10/31/1985	15.06%	10.93%	4.13%
11/4/1985	14.50%	10.92%	3 58%
11/7/1985	15.50%	10.90%	4 60%
11/8/1985	14.30%	10.89%	3.41%
12/12/1985	14.75%	10.73%	4 02%
12/18/1985	15.00%	10.69%	4 31%
12/20/1985	14.50%	10.67%	3 83%
12/20/1985	14.50%	10.67%	3 83%
12/20/1985	15.00%	10.67%	4 33%
1/24/1986	15.40%	10.41%	4 99%
1/31/1986	15.00%	10.35%	4 65%
2/5/1986	15.00%	10.32%	4 68%
2/5/1986	15.75%	10.32%	5.43%
2/10/1986	13.30%	10.29%	3 01%
2/11/1986	12.50%	10.28%	2.22%
2/14/1986	14.40%	10.24%	4.16%
2/18/1986	16.00%	10.23%	5.77%
2/24/1986	14.50%	10.18%	4.32%
2/26/1986	14.00%	10.15%	3.85%
3/5/1986	14.90%	10.08%	4.82%
3/11/1986	14.50%	10.02%	4.48%
3/12/1986	13.50%	10.00%	3.50%
3/27/1986	14.10%	9.86%	4.24%
3/31/1986	13.50%	9.84%	3.66%
4/1/1986	14.00%	9.83%	4.17%
4/2/1986	15.50%	9.81%	5.69%

[6]	[7]	[8]	[9]
Date of Electric Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
4/4/1986	15.00%	9.78%	5.22%
4/14/1986	13.40%	9.69%	3.71%
4/23/1986	15.00%	9.57%	5.43%
5/16/1986	14.50%	9.32%	5.18%
5/16/1986	14.50%	9.32%	5.18%
5/29/1986	13.90%	9.19%	4.71%
5/30/1986	15.10%	9.18%	5.92%
6/2/1986	12.81%	9.17%	3.64%
6/11/1986	14.00%	9.07%	4.93%
6/24/1986	16.63%	8.94%	7.69%
6/26/1986	12.00%	8.91%	3.09%
6/26/1986	14.75%	8.91%	5.84%
6/30/1986	13.00%	8.87%	4.13%
7/10/1986	14.34%	8.75%	5.59%
7/11/1986	12.75%	8.73%	4.02%
7/14/1986	12.60%	8.71%	3.89%
7/17/1986	12.40%	8.66%	3.74%
7/25/1986	14.25%	8.57%	5.68%
8/6/1986	13.50%	8.44%	5.06%
8/14/1986	13.50%	8.35%	5.15%
9/16/1986	12.75%	8.06%	4.69%
9/19/1986	13.25%	8.03%	5.22%
10/1/1986	14.00%	7.95%	6.05%
10/3/1986	13.40%	7.93%	5.47%
10/31/1986	13.50%	7.77%	5.73%
11/5/1986	13.00%	7.75%	5.25%
12/3/1986	12.90%	7.58%	5.32%
12/4/1986	14.44%	7.58%	6.86%
12/16/1986	13.60%	7.52%	6.08%
12/22/1986	13.80%	7.51%	6.29%
12/30/1986	13.00%	7.49%	5.51%
1/2/1987	13.00%	7.49%	5.51%
1/12/1987	12.40%	7.47%	4.93%
1/27/1987	12.71%	7.46%	5.25%
3/2/1987	12.47%	7.47%	5.00%
3/3/1987	13.60%	7.47%	6.13%
3/4/1987	12.38%	7.47%	4.91%
3/10/1987	13.50%	7.47%	6.03%
3/13/1987	13.00%	7.47%	5.53%
3/31/1987	13.00%	7.46%	5.54%
4/6/1987	13.00%	7.47%	5.53%
4/14/1987	12.50%	7.49%	5.01%
4/16/1987	14.50%	7.50%	7.00%
4/27/1987	12.00%	7.54%	4.46%
5/5/1987	12.85%	7.58%	5.27%
5/12/1987	12.65%	7.62%	5.03%
5/28/1987	13.50%	7.70%	5.80%
6/15/1987	13.20%	7.78%	5.42%
6/29/1987	15.00%	7.83%	7.17%
6/30/1987	12.50%	7.84%	4.66%
7/8/1987	12.00%	7.86%	4.14%
7/10/1987	12.90%	7.86%	5.04%
7/15/1987	13.50%	7.88%	5.62%
7/16/1987	13.50%	7.88%	5.62%
7/16/1987	15.00%	7.88%	7.12%
7/27/1987	13.00%	7.92%	5.08%
7/27/1987	13.40%	7.92%	5.48%
7/27/1987	13.50%	7.92%	5.58%
7/31/1987	12.98%	7.95%	5.03%
8/26/1987	12.63%	8.06%	4.57%
8/26/1987	12.75%	8.06%	4.69%
8/27/1987	13.25%	8.06%	5.19%
9/9/1987	13.00%	8.14%	4.86%
9/30/1987	12.75%	8.31%	4.44%
9/30/1987	13.00%	8.31%	4.69%
10/2/1987	11.50%	8.33%	3.17%
10/15/1987	13.00%	8.43%	4.57%
11/2/1987	13.00%	8.55%	4.45%
11/19/1987	13.00%	8.64%	4.36%
11/30/1987	12.00%	8.68%	3.32%
12/3/1987	14.20%	8.70%	5.50%
12/15/1987	13.25%	8.77%	4.48%
12/16/1987	13.50%	8.78%	4.72%
12/16/1987	13.72%	8.78%	4.94%
12/17/1987	11.75%	8.79%	2.96%
12/18/1987	13.50%	8.80%	4.70%
12/21/1987	12.01%	8.81%	3.20%
12/22/1987	12.00%	8.81%	3.19%
12/22/1987	12.00%	8.81%	3.19%
12/22/1987	12.75%	8.81%	3.94%

[6]	[7]	[8]	[9]
Date of Electric Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
12/22/1987	13.00%	8.81%	4.19%
1/20/1988	13.80%	8.94%	4.86%
1/26/1988	13.90%	8.95%	4.95%
1/29/1988	13.20%	8.96%	4.24%
2/4/1988	12.60%	8.96%	3.64%
3/1/1988	11.56%	8.94%	2.62%
3/23/1988	12.87%	8.92%	3.95%
3/24/1988	11.24%	8.92%	2.32%
3/30/1988	12.72%	8.92%	3.80%
4/1/1988	12.50%	8.92%	3.58%
4/7/1988	13.25%	8.93%	4.32%
4/25/1988	10.96%	8.96%	2.00%
5/3/1988	12.91%	8.97%	3.94%
5/11/1988	13.50%	8.99%	4.51%
5/16/1988	13.00%	8.99%	4.01%
6/30/1988	12.75%	9.00%	3.75%
7/1/1988	12.75%	8.99%	3.76%
7/20/1988	13.40%	8.96%	4.44%
8/5/1988	12.75%	8.92%	3.83%
8/23/1988	11.70%	8.93%	2.77%
8/29/1988	12.75%	8.94%	3.81%
8/30/1988	13.50%	8.94%	4.56%
9/8/1988	12.60%	8.95%	3.65%
10/13/1988	13.10%	8.93%	4.17%
12/19/1988	13.00%	9.02%	3 98%
12/20/1988	12.25%	9.02%	3 23%
12/20/1988	13.00%	9.02%	3 98%
12/21/1988	12.90%	9.02%	3 88%
12/27/1988	13.00%	9.03%	3 97%
12/28/1988	13.10%	9.03%	4 07%
12/30/1988	13.40%	9.04%	4 36%
1/27/1989	13.00%	9.05%	3 95%
1/31/1989	13.00%	9.05%	3 95%
2/17/1989	13.00%	9.05%	3 95%
2/20/1989	12.40%	9.05%	3.35%
3/1/1989	12.76%	9.05%	3.71%
3/8/1989	13.00%	9.05%	3.95%
3/30/1989	14.00%	9.05%	4.95%
4/5/1989	14.20%	9.05%	5.15%
4/18/1989	13.00%	9.05%	3.95%
5/5/1989	12.40%	9.05%	3.35%
6/2/1989	13.20%	9.00%	4.20%
6/8/1989	13.50%	8.98%	4.52%
6/27/1989	13.25%	8.91%	4.34%
6/30/1989	13.00%	8.90%	4.10%
8/14/1989	12.50%	8.77%	3.73%
9/28/1989	12.25%	8.63%	3.62%
10/24/1989	12.50%	8.54%	3.96%
11/9/1989	13.00%	8.49%	4.51%
12/15/1989	13.00%	8.34%	4.66%
12/20/1989	12.90%	8.32%	4 58%
12/21/1989	12.90%	8.31%	4 59%
12/27/1989	12.50%	8.29%	4 21%
12/27/1989	13.00%	8.29%	4.71%
1/10/1990	12.80%	8.24%	4 56%
1/11/1990	12.90%	8.24%	4 66%
1/17/1990	12.80%	8.22%	4 58%
1/26/1990	12.00%	8.20%	3 80%
2/9/1990	12.10%	8.17%	3 93%
2/24/1990	12.86%	8.15%	4.71%
3/30/1990	12.90%	8.16%	4.74%
4/4/1990	15.76%	8.17%	7 59%
4/12/1990	12.52%	8.18%	4 34%
4/19/1990	12.75%	8.20%	4 55%
5/21/1990	12.10%	8.28%	3 82%
5/29/1990	12.40%	8.30%	4.10%
5/31/1990	12.00%	8.30%	3.70%
6/4/1990	12.90%	8.30%	4 60%
6/6/1990	12.25%	8.31%	3.94%
6/15/1990	13.20%	8.32%	4.88%
6/20/1990	12.92%	8.32%	4.60%
6/27/1990	12.90%	8.33%	4.57%
6/29/1990	12.50%	8.33%	4.17%
7/6/1990	12.10%	8.34%	3.76%
7/6/1990	12.35%	8.34%	4.01%
8/10/1990	12.55%	8.41%	4.14%
8/16/1990	13.21%	8.43%	4.78%
8/22/1990	13.10%	8.45%	4.65%
8/24/1990	13.00%	8.46%	4.54%
9/26/1990	11.45%	8.59%	2.86%

[6]	[7]	[8]	[9]
Date of Electric Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
10/2/1990	13.00%	8.61%	4.39%
10/5/1990	12.84%	8.62%	4.22%
10/19/1990	13.00%	8.67%	4.33%
10/25/1990	12.30%	8.68%	3.62%
11/21/1990	12.70%	8.69%	4.01%
12/13/1990	12.30%	8.67%	3.63%
12/17/1990	12.87%	8.67%	4.20%
12/18/1990	13.10%	8.67%	4.43%
12/19/1990	12.00%	8.66%	3.34%
12/20/1990	12.75%	8.66%	4.09%
12/21/1990	12.50%	8.66%	3 84%
12/27/1990	12.79%	8.66%	4.13%
1/2/1991	13.10%	8.65%	4.45%
1/4/1991	12.50%	8.65%	3 85%
1/15/1991	12.75%	8.64%	4.11%
1/25/1991	11.70%	8.63%	3 07%
2/4/1991	12.50%	8.60%	3 90%
2/7/1991	12.50%	8.59%	3 91%
2/12/1991	13.00%	8.58%	4.43%
2/14/1991	12.72%	8.57%	4.15%
2/22/1991	12.80%	8.55%	4 25%
3/6/1991	13.10%	8.53%	4 57%
3/8/1991	12.30%	8.52%	3.78%
3/8/1991	13.00%	8.52%	4.48%
4/22/1991	13.00%	8.49%	4 51%
5/7/1991	13.50%	8.47%	5 03%
5/13/1991	13.25%	8.47%	4.78%
5/30/1991	12.75%	8.44%	4 31%
6/12/1991	12.00%	8.41%	3 59%
6/25/1991	11.70%	8.39%	3 31%
6/28/1991	12.50%	8.38%	4.12%
7/1/1991	12.00%	8.38%	3 62%
7/3/1991	12.50%	8.37%	4.13%
7/19/1991	12.10%	8.34%	3.76%
8/1/1991	12.90%	8.32%	4.58%
8/16/1991	13.20%	8.29%	4.91%
9/27/1991	12.50%	8.23%	4.27%
9/30/1991	12.25%	8.23%	4.02%
10/17/1991	13.00%	8.20%	4.80%
10/23/1991	12.50%	8.20%	4.30%
10/23/1991	12.55%	8.20%	4.35%
10/31/1991	11.80%	8.19%	3.61%
11/1/1991	12.00%	8.19%	3.81%
11/5/1991	12.25%	8.19%	4.06%
11/12/1991	12.50%	8.18%	4.32%
11/12/1991	13.25%	8.18%	5.07%
11/25/1991	12.40%	8.18%	4.22%
11/26/1991	11.60%	8.18%	3.42%
11/26/1991	12.50%	8.18%	4 32%
11/27/1991	12.10%	8.18%	3 92%
12/18/1991	12.25%	8.15%	4.10%
12/19/1991	12.60%	8.15%	4.45%
12/19/1991	12.80%	8.15%	4 65%
12/20/1991	12.65%	8.14%	4 51%
1/9/1992	12.80%	8.09%	4.71%
1/16/1992	12.75%	8.07%	4 68%
1/21/1992	12.00%	8.06%	3 94%
1/22/1992	13.00%	8.06%	4 94%
1/27/1992	12.65%	8.05%	4 60%
1/31/1992	12.00%	8.04%	3 96%
2/11/1992	12.40%	8.03%	4 37%
2/25/1992	12.50%	8.01%	4.49%
3/16/1992	11.43%	7.98%	3.45%
3/18/1992	12.28%	7.98%	4 30%
4/2/1992	12.10%	7.95%	4.15%
4/9/1992	11.45%	7.94%	3 51%
4/10/1992	11.50%	7.93%	3 57%
4/14/1992	11.50%	7.93%	3 57%
5/5/1992	11.50%	7.89%	3.61%
5/12/1992	11.87%	7.88%	3.99%
5/12/1992	12.46%	7.88%	4.58%
6/1/1992	12.30%	7.87%	4.43%
6/12/1992	10.90%	7.86%	3.04%
6/26/1992	12.35%	7.85%	4.50%
6/29/1992	11.00%	7.85%	3.15%
6/30/1992	13.00%	7.85%	5.15%
7/13/1992	11.90%	7.84%	4.06%
7/13/1992	13.50%	7.84%	5.66%
7/22/1992	11.20%	7.83%	3.37%
8/3/1992	12.00%	7.81%	4.19%

[6]	[7]	[8]	[9]
Date of Electric Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
8/6/1992	12.50%	7.80%	4.70%
9/22/1992	12.00%	7.71%	4.29%
9/28/1992	11.40%	7.71%	3.69%
9/30/1992	11.75%	7.70%	4.05%
10/2/1992	13.00%	7.70%	5.30%
10/12/1992	12.20%	7.70%	4.50%
10/16/1992	13.16%	7.70%	5.46%
10/30/1992	11.75%	7.71%	4.04%
11/3/1992	12.00%	7.71%	4.29%
12/3/1992	11.85%	7.68%	4.17%
12/15/1992	11.00%	7.66%	3.34%
12/16/1992	11.90%	7.66%	4.24%
12/16/1992	12.40%	7.66%	4.74%
12/17/1992	12.00%	7.66%	4.34%
12/22/1992	12.30%	7.65%	4.65%
12/22/1992	12.40%	7.65%	4.75%
12/29/1992	12.25%	7.63%	4 62%
12/30/1992	12.00%	7.63%	4 37%
12/31/1992	11.90%	7.63%	4 27%
1/12/1993	12.00%	7.61%	4 39%
1/21/1993	11.25%	7.59%	3 66%
2/2/1993	11.40%	7.56%	3 84%
2/15/1993	12.30%	7.52%	4.78%
2/24/1993	11.90%	7.49%	4.41%
2/26/1993	11.80%	7.48%	4 32%
2/26/1993	12.20%	7.48%	4.72%
4/23/1993	11.75%	7.29%	4.46%
5/11/1993	11.75%	7.25%	4 50%
5/14/1993	11.50%	7.24%	4 26%
5/25/1993	11.50%	7.23%	4 27%
5/28/1993	11.00%	7.22%	3.78%
6/3/1993	12.00%	7.21%	4.79%
6/16/1993	11.50%	7.19%	4 31%
6/18/1993	12.10%	7.18%	4 92%
6/25/1993	11.67%	7.17%	4.50%
7/21/1993	11.38%	7.10%	4.28%
7/23/1993	10.46%	7.09%	3.37%
8/24/1993	11.50%	6.96%	4.54%
9/21/1993	10.50%	6.81%	3.69%
9/29/1993	11.47%	6.77%	4.70%
9/30/1993	11.60%	6.76%	4.84%
11/2/1993	10.80%	6.60%	4.20%
11/12/1993	12.00%	6.57%	5.43%
11/26/1993	11.00%	6.52%	4.48%
12/14/1993	10.55%	6.48%	4.07%
12/16/1993	10.60%	6.48%	4.12%
12/21/1993	11.30%	6.47%	4.83%
1/4/1994	10.07%	6.44%	3.63%
1/13/1994	11.00%	6.42%	4.58%
1/21/1994	11.00%	6.40%	4.60%
1/28/1994	11.35%	6.39%	4.96%
2/3/1994	11.40%	6.38%	5.02%
2/17/1994	10.60%	6.36%	4.24%
2/25/1994	11.25%	6.35%	4.90%
2/25/1994	12.00%	6.35%	5.65%
3/1/1994	11.00%	6.35%	4 65%
3/4/1994	11.00%	6.35%	4 65%
4/25/1994	11.00%	6.41%	4 59%
5/10/1994	11.75%	6.45%	5 30%
5/13/1994	10.50%	6.46%	4 04%
6/3/1994	11.00%	6.54%	4.46%
6/27/1994	11.40%	6.65%	4.75%
8/5/1994	12.75%	6.88%	5 87%
10/31/1994	10.00%	7.33%	2 67%
11/9/1994	10.85%	7.39%	3.46%
11/9/1994	10.85%	7.39%	3.46%
11/18/1994	11.20%	7.45%	3.75%
11/22/1994	11.60%	7.47%	4.13%
11/28/1994	11.06%	7.49%	3.57%
12/8/1994	11.50%	7.54%	3.96%
12/8/1994	11.70%	7.54%	4.16%
12/14/1994	10.95%	7.56%	3.39%
12/15/1994	11.50%	7.57%	3.93%
12/19/1994	11.50%	7.58%	3.92%
12/28/1994	12.15%	7.61%	4.54%
1/9/1995	12.28%	7.64%	4.64%
1/31/1995	11.00%	7.69%	3.31%
2/10/1995	12.60%	7.70%	4.90%
2/17/1995	11.90%	7.70%	4.20%
3/9/1995	11.50%	7.71%	3.79%

[6]	[7]	[8]	[9]
Date of Electric Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
3/20/1995	12.00%	7.72%	4.28%
3/23/1995	12.81%	7.72%	5.09%
3/29/1995	11.60%	7.72%	3.88%
4/6/1995	11.10%	7.71%	3.39%
4/7/1995	11.00%	7.71%	3.29%
4/19/1995	11.00%	7.70%	3.30%
5/12/1995	11.63%	7.68%	3.95%
5/25/1995	11.20%	7.65%	3.55%
6/9/1995	11.25%	7.60%	3.65%
6/21/1995	12.25%	7.56%	4.69%
6/30/1995	11.10%	7.52%	3.58%
9/11/1995	11.30%	7.20%	4.10%
9/27/1995	11.30%	7.12%	4.18%
9/27/1995	11.50%	7.12%	4.38%
9/27/1995	11.75%	7.12%	4.63%
9/29/1995	11.00%	7.11%	3.89%
11/9/1995	11.38%	6.90%	4.48%
11/9/1995	12.36%	6.90%	5.46%
11/17/1995	11.00%	6.86%	4.14%
12/4/1995	11.35%	6.78%	4.57%
12/11/1995	11.40%	6.74%	4.66%
12/20/1995	11.60%	6.70%	4.90%
12/27/1995	12.00%	6.66%	5.34%
2/5/1996	12.25%	6.48%	5.77%
3/29/1996	10.67%	6.42%	4.25%
4/8/1996	11.00%	6.42%	4 58%
4/11/1996	12.59%	6.43%	6.16%
4/11/1996	12.59%	6.43%	6.16%
4/24/1996	11.25%	6.43%	4 82%
4/30/1996	11.00%	6.43%	4 57%
5/13/1996	11.00%	6.44%	4 56%
5/23/1996	11.25%	6.43%	4 82%
6/25/1996	11.25%	6.48%	4.77%
6/27/1996	11.20%	6.48%	4.72%
8/12/1996	10.40%	6.57%	3.83%
9/27/1996	11.00%	6.71%	4.29%
10/16/1996	12.25%	6.76%	5.49%
11/5/1996	11.00%	6.81%	4.19%
11/26/1996	11.30%	6.83%	4.47%
12/18/1996	11.75%	6.83%	4.92%
12/31/1996	11.50%	6.83%	4.67%
1/3/1997	10.70%	6.83%	3.87%
2/13/1997	11.80%	6.82%	4.98%
2/20/1997	11.80%	6.82%	4.98%
3/31/1997	10.02%	6.80%	3.22%
4/2/1997	11.65%	6.80%	4.85%
4/28/1997	11.50%	6.81%	4.69%
4/29/1997	11.70%	6.81%	4.89%
7/17/1997	12.00%	6.77%	5.23%
12/12/1997	11.00%	6.60%	4.40%
12/23/1997	11.12%	6.57%	4.55%
2/2/1998	12.75%	6.39%	6 36%
3/2/1998	11.25%	6.29%	4 96%
3/6/1998	10.75%	6.27%	4.48%
3/20/1998	10.50%	6.22%	4 28%
4/30/1998	12.20%	6.12%	6 08%
7/10/1998	11.40%	5.94%	5.46%
9/15/1998	11.90%	5.78%	6.12%
11/30/1998	12.60%	5.58%	7 02%
12/10/1998	12.20%	5.54%	6 66%
12/17/1998	12.10%	5.52%	6 58%
2/5/1999	10.30%	5.38%	4 92%
3/4/1999	10.50%	5.34%	5.16%
4/6/1999	10.94%	5.32%	5 62%
7/29/1999	10.75%	5.52%	5 23%
9/23/1999	10.75%	5.70%	5 05%
11/17/1999	11.10%	5.90%	5 20%
1/7/2000	11.50%	6.05%	5.45%
1/7/2000	11.50%	6.05%	5.45%
2/17/2000	10.60%	6.17%	4.43%
3/28/2000	11.25%	6.20%	5.05%
5/24/2000	11.00%	6.18%	4.82%
7/18/2000	12.20%	6.16%	6.04%
9/29/2000	11.16%	6.03%	5.13%
11/28/2000	12.90%	5.89%	7.01%
11/30/2000	12.10%	5.88%	6.22%
1/23/2001	11.25%	5.79%	5.46%
2/8/2001	11.50%	5.77%	5.73%
5/8/2001	10.75%	5.62%	5.13%
6/26/2001	11.00%	5.62%	5.38%

[6]	[7]	[8]	[9]
Date of Electric Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
7/25/2001	11.02%	5.60%	5.42%
7/25/2001	11.02%	5.60%	5.42%
7/31/2001	11.00%	5.59%	5.41%
8/31/2001	10.50%	5.56%	4.94%
9/7/2001	10.75%	5.55%	5.20%
9/10/2001	11.00%	5.55%	5.45%
9/20/2001	10.00%	5.55%	4.45%
10/24/2001	10.30%	5.54%	4.76%
11/28/2001	10.60%	5.49%	5.11%
12/3/2001	12.88%	5.49%	7.39%
12/20/2001	12.50%	5.50%	7.00%
1/22/2002	10.00%	5.50%	4.50%
3/27/2002	10.10%	5.45%	4.65%
4/22/2002	11.80%	5.45%	6.35%
5/28/2002	10.17%	5.46%	4.71%
6/10/2002	12.00%	5.47%	6.53%
6/18/2002	11.16%	5.48%	5.68%
6/20/2002	11.00%	5.48%	5.52%
6/20/2002	12.30%	5.48%	6.82%
7/15/2002	11.00%	5.48%	5.52%
9/12/2002	12.30%	5.45%	6.85%
9/26/2002	10.45%	5.41%	5.04%
12/4/2002	11.55%	5.29%	6.26%
12/13/2002	11.75%	5.27%	6.48%
12/20/2002	11.40%	5.25%	6.15%
1/8/2003	11.10%	5.19%	5.91%
1/31/2003	12.45%	5.13%	7.32%
2/28/2003	12.30%	5.05%	7.25%
3/6/2003	10.75%	5.03%	5.72%
3/7/2003	9.96%	5.02%	4 94%
3/20/2003	12.00%	4.98%	7 02%
4/3/2003	12.00%	4.96%	7 04%
4/15/2003	11.15%	4.94%	6 21%
6/25/2003	10.75%	4.79%	5 96%
6/26/2003	10.75%	4.79%	5.96%
7/9/2003	9.75%	4.79%	4.96%
7/16/2003	9.75%	4.79%	4.96%
7/25/2003	9.50%	4.80%	4.70%
8/26/2003	10.50%	4.83%	5.67%
12/17/2003	9.85%	4.94%	4.91%
12/17/2003	10.70%	4.94%	5.76%
12/18/2003	11.50%	4.94%	6.56%
12/19/2003	12.00%	4.94%	7.06%
12/19/2003	12.00%	4.94%	7.06%
12/23/2003	10.50%	4.94%	5 56%
1/13/2004	12.00%	4.95%	7 05%
3/2/2004	10.75%	4.99%	5.76%
3/26/2004	10.25%	5.02%	5 23%
4/5/2004	11.25%	5.03%	6 22%
5/18/2004	10.50%	5.07%	5.43%
5/25/2004	10.25%	5.08%	5.17%
5/27/2004	10.25%	5.08%	5.17%
6/2/2004	11.22%	5.08%	6.14%
6/30/2004	10.50%	5.10%	5.40%
6/30/2004	10.50%	5.10%	5.40%
7/16/2004	11.60%	5.11%	6.49%
8/25/2004	10.25%	5.10%	5.15%
9/9/2004	10.40%	5.10%	5 30%
11/9/2004	10.50%	5.07%	5.43%
11/23/2004	11.00%	5.06%	5 94%
12/14/2004	10.97%	5.07%	5 90%
12/21/2004	11.25%	5.07%	6.18%
12/21/2004	11.50%	5.07%	6.43%
12/22/2004	10.70%	5.07%	5 63%
12/22/2004	11.50%	5.07%	6.43%
12/29/2004	9.85%	5.07%	4.78%
1/6/2005	10.70%	5.08%	5 62%
2/18/2005	10.30%	4.98%	5 32%
2/25/2005	10.50%	4.96%	5.54%
3/10/2005	11.00%	4.93%	6.07%
3/24/2005	10.30%	4.90%	5.40%
4/4/2005	10.00%	4.88%	5.12%
4/7/2005	10.25%	4.87%	5.38%
5/18/2005	10.25%	4.78%	5.47%
5/25/2005	10.75%	4.76%	5.99%
5/26/2005	9.75%	4.76%	4.99%
6/1/2005	9.75%	4.75%	5.00%
7/19/2005	11.50%	4.64%	6.86%
8/5/2005	11.75%	4.62%	7.13%
8/15/2005	10.13%	4.61%	5.52%

[6]	[7]	[8]	[9]
Date of Electric Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
9/28/2005	10.00%	4.54%	5.46%
10/4/2005	10.75%	4.54%	6.21%
12/12/2005	11.00%	4.55%	6.45%
12/13/2005	10.75%	4.55%	6.20%
12/21/2005	10.29%	4.54%	5.75%
12/21/2005	10.40%	4.54%	5.86%
12/22/2005	11.00%	4.54%	6.46%
12/22/2005	11.15%	4.54%	6.61%
12/28/2005	10.00%	4.54%	5.46%
12/28/2005	10.00%	4.54%	5.46%
1/5/2006	11.00%	4.53%	6.47%
1/27/2006	9.75%	4.52%	5 23%
3/3/2006	10.39%	4.53%	5 86%
4/17/2006	10.20%	4.61%	5 59%
4/26/2006	10.60%	4.64%	5 96%
5/17/2006	11.60%	4.69%	6 91%
6/6/2006	10.00%	4.74%	5 26%
6/27/2006	10.75%	4.80%	5 95%
7/6/2006	10.20%	4.83%	5 37%
7/24/2006	9.60%	4.86%	4.74%
7/26/2006	10.50%	4.86%	5 64%
7/28/2006	10.05%	4.86%	5.19%
8/23/2006	9.55%	4.89%	4 66%
9/1/2006	10.54%	4.90%	5 64%
9/14/2006	10.00%	4.91%	5 09%
10/6/2006	9.67%	4.92%	4.75%
11/21/2006	10.08%	4.95%	5.13%
11/21/2006	10.08%	4.95%	5.13%
11/21/2006	10.12%	4.95%	5.17%
12/1/2006	10.25%	4.95%	5 30%
12/1/2006	10.50%	4.95%	5 55%
12/7/2006	10.75%	4.95%	5 80%
12/21/2006	10.90%	4.95%	5 95%
12/21/2006	11.25%	4.95%	6 30%
12/22/2006	10.25%	4.95%	5.30%
1/5/2007	10.00%	4.95%	5.05%
1/11/2007	10.10%	4.95%	5.15%
1/11/2007	10.10%	4.95%	5.15%
1/11/2007	10.90%	4.95%	5.95%
1/12/2007	10.10%	4.95%	5.15%
1/13/2007	10.40%	4.95%	5.45%
1/19/2007	10.80%	4.94%	5.86%
3/21/2007	11.35%	4.87%	6.48%
3/22/2007	9.75%	4.86%	4.89%
5/15/2007	10.00%	4.81%	5.19%
5/17/2007	10.25%	4.81%	5.44%
5/17/2007	10.25%	4.81%	5.44%
5/22/2007	10.20%	4.80%	5.40%
5/22/2007	10.50%	4.80%	5.70%
5/23/2007	10.70%	4.80%	5.90%
5/25/2007	9.67%	4.80%	4.87%
6/15/2007	9.90%	4.82%	5.08%
6/21/2007	10.20%	4.83%	5.37%
6/22/2007	10.50%	4.83%	5.67%
6/28/2007	10.75%	4.84%	5.91%
7/12/2007	9.67%	4.86%	4.81%
7/19/2007	10.00%	4.87%	5.13%
7/19/2007	10.00%	4.87%	5.13%
8/15/2007	10.40%	4.88%	5.52%
10/9/2007	10.00%	4.91%	5.09%
10/17/2007	9.10%	4.91%	4.19%
10/31/2007	9.96%	4.90%	5.06%
11/29/2007	10.90%	4.87%	6.03%
12/6/2007	10.75%	4.86%	5.89%
12/13/2007	9.96%	4.86%	5.10%
12/14/2007	10.70%	4.86%	5 84%
12/14/2007	10.80%	4.86%	5 94%
12/19/2007	10.20%	4.86%	5 34%
12/20/2007	10.20%	4.85%	5.35%
12/20/2007	11.00%	4.85%	6.15%
12/28/2007	10.25%	4.85%	5.40%
12/31/2007	11.25%	4.85%	6.40%
1/8/2008	10.75%	4.83%	5.92%
1/17/2008	10.75%	4.81%	5.94%
1/28/2008	9.40%	4.80%	4.60%
1/30/2008	10.00%	4.79%	5.21%
1/31/2008	10.71%	4.79%	5.92%
2/29/2008	10.25%	4.75%	5.50%
3/12/2008	10.25%	4.73%	5.52%
3/25/2008	9.10%	4.68%	4.42%

[6]	[7]	[8]	[9]
Date of Electric Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
4/22/2008	10.25%	4.60%	5.65%
4/24/2008	10.10%	4.60%	5.50%
5/1/2008	10.70%	4.59%	6.11%
5/19/2008	11.00%	4.56%	6.44%
5/27/2008	10.00%	4.55%	5.45%
6/10/2008	10.70%	4.54%	6.16%
6/27/2008	10.50%	4.54%	5.96%
6/27/2008	11.04%	4.54%	6.50%
7/10/2008	10.43%	4.52%	5.91%
7/16/2008	9.40%	4.52%	4.88%
7/30/2008	10.80%	4.51%	6.29%
7/31/2008	10.70%	4.51%	6.19%
8/11/2008	10.25%	4.51%	5.74%
8/26/2008	10.18%	4.50%	5.68%
9/10/2008	10.30%	4.50%	5.80%
9/24/2008	10.65%	4.48%	6.17%
9/24/2008	10.65%	4.48%	6.17%
9/24/2008	10.65%	4.48%	6.17%
9/30/2008	10.20%	4.48%	5.72%
10/8/2008	10.15%	4.46%	5.69%
11/13/2008	10.55%	4.45%	6.10%
11/17/2008	10.20%	4.44%	5.76%
12/1/2008	10.25%	4.40%	5.85%
12/23/2008	11.00%	4.27%	6.73%
12/29/2008	10.00%	4.24%	5.76%
12/29/2008	10.20%	4.24%	5.96%
12/31/2008	10.75%	4.22%	6.53%
1/14/2009	10.50%	4.15%	6.35%
1/21/2009	10.50%	4.12%	6.38%
1/21/2009	10.50%	4.12%	6.38%
1/21/2009	10.50%	4.12%	6.38%
1/27/2009	10.76%	4.09%	6.67%
1/30/2009	10.50%	4.08%	6.42%
2/4/2009	8.75%	4.06%	4 69%
3/4/2009	10.50%	3.96%	6.54%
3/12/2009	11.50%	3.93%	7.57%
4/2/2009	11.10%	3.85%	7.25%
4/21/2009	10.61%	3.80%	6.81%
4/24/2009	10.00%	3.79%	6.21%
4/30/2009	11.25%	3.78%	7.47%
5/4/2009	10.74%	3.77%	6.97%
5/20/2009	10.25%	3.74%	6.51%
5/28/2009	10.50%	3.74%	6.76%
5/29/2009	10.50%	3.74%	6.76%
6/22/2009	10.00%	3.76%	6.24%
6/24/2009	10.80%	3.77%	7.03%
7/8/2009	10.63%	3.77%	6.86%
7/17/2009	10.50%	3.78%	6.72%
8/31/2009	10.25%	3.82%	6.43%
10/14/2009	10.70%	4.01%	6.69%
10/23/2009	10.88%	4.06%	6.82%
11/2/2009	10.70%	4.09%	6.61%
11/3/2009	10.70%	4.10%	6.60%
11/24/2009	10.25%	4.15%	6.10%
11/25/2009	10.75%	4.16%	6.59%
11/30/2009	10.35%	4.17%	6.18%
12/3/2009	10.50%	4.18%	6.32%
12/7/2009	10.70%	4.18%	6.52%
12/16/2009	10.90%	4.21%	6 69%
12/16/2009	11.00%	4.21%	6.79%
12/18/2009	10.40%	4.22%	6.18%
12/18/2009	10.40%	4.22%	6.18%
12/22/2009	10.20%	4.23%	5 97%
12/22/2009	10.40%	4.23%	6.17%
12/22/2009	10.40%	4.23%	6.17%
12/30/2009	10.00%	4.26%	5.74%
1/4/2010	10.80%	4.28%	6 52%
1/11/2010	11.00%	4.30%	6.70%
1/26/2010	10.13%	4.35%	5.78%
1/27/2010	10.40%	4.35%	6.05%
1/27/2010	10.40%	4.35%	6.05%
1/27/2010	10.70%	4.35%	6.35%
2/9/2010	9.80%	4.38%	5.42%
2/18/2010	10.60%	4.40%	6.20%
2/24/2010	10.18%	4.41%	5.77%
3/2/2010	9.63%	4.41%	5.22%
3/4/2010	10.50%	4.41%	6.09%
3/5/2010	10.50%	4.41%	6.09%
3/11/2010	11.90%	4.42%	7.48%
3/17/2010	10.00%	4.41%	5.59%

[6]	[7]	[8]	[9]
Date of Electric Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
3/25/2010	10.15%	4.42%	5.73%
4/2/2010	10.10%	4.43%	5.67%
4/27/2010	10.00%	4.46%	5.54%
4/29/2010	9.90%	4.46%	5.44%
4/29/2010	10.06%	4.46%	5.60%
4/29/2010	10.26%	4.46%	5.80%
5/12/2010	10.30%	4.45%	5.85%
5/12/2010	10.30%	4.45%	5.85%
5/28/2010	10.10%	4.44%	5.66%
5/28/2010	10.20%	4.44%	5.76%
6/7/2010	10.30%	4.44%	5.86%
6/16/2010	10.00%	4.44%	5.56%
6/28/2010	9.67%	4.43%	5.24%
6/28/2010	10.50%	4.43%	6.07%
6/30/2010	9.40%	4.43%	4.97%
7/1/2010	10.25%	4.43%	5.82%
7/15/2010	10.53%	4.43%	6.10%
7/15/2010	10.70%	4.43%	6.27%
7/30/2010	10.70%	4.41%	6.29%
8/4/2010	10.50%	4.41%	6.09%
8/6/2010	9.83%	4.41%	5.42%
8/25/2010	9.90%	4.37%	5 53%
9/3/2010	10.60%	4.35%	6 25%
9/14/2010	10.70%	4.33%	6 37%
9/16/2010	10.00%	4.33%	5 67%
9/16/2010	10.00%	4.33%	5 67%
9/30/2010	9.75%	4.29%	5.46%
9/30/2010	11.00%	4.29%	6.71%
10/14/2010	10.35%	4.24%	6.11%
10/28/2010	10.70%	4.21%	6.49%
11/2/2010	10.38%	4.20%	6.18%
11/4/2010	10.70%	4.20%	6 50%
11/19/2010	10.20%	4.18%	6 02%
11/22/2010	10.00%	4.18%	5 82%
12/1/2010	10.13%	4.16%	5.97%
12/6/2010	9.86%	4.15%	5.71%
12/9/2010	10.25%	4.15%	6.10%
12/13/2010	10.70%	4.15%	6.55%
12/14/2010	10.13%	4.15%	5.98%
12/15/2010	10.44%	4.15%	6.29%
12/17/2010	10.00%	4.15%	5.85%
12/20/2010	10.60%	4.15%	6.45%
12/21/2010	10.30%	4.14%	6.16%
12/27/2010	9.90%	4.14%	5.76%
12/29/2010	11.15%	4.14%	7 01%
1/5/2011	10.15%	4.13%	6 02%
1/12/2011	10.30%	4.12%	6.18%
1/13/2011	10.30%	4.12%	6.18%
1/18/2011	10.00%	4.12%	5 88%
1/20/2011	9.30%	4.12%	5.18%
1/20/2011	10.13%	4.12%	6 01%
1/31/2011	9.60%	4.12%	5.48%
2/3/2011	10.00%	4.12%	5 88%
2/25/2011	10.00%	4.14%	5 86%
3/25/2011	9.80%	4.18%	5 62%
3/30/2011	10.00%	4.18%	5 82%
4/12/2011	10.00%	4.21%	5.79%
4/25/2011	10.74%	4.23%	6 51%
4/26/2011	9.67%	4.23%	5.44%
4/27/2011	10.40%	4.24%	6.16%
5/4/2011	10.00%	4.24%	5.76%
5/4/2011	10.00%	4.24%	5.76%
5/24/2011	10.50%	4.27%	6 23%
6/8/2011	10.75%	4.30%	6.45%
6/16/2011	9.20%	4.32%	4 88%
6/17/2011	9.95%	4.32%	5 63%
7/13/2011	10.20%	4.36%	5 84%
8/1/2011	9.20%	4.39%	4 81%
8/8/2011	10.00%	4.38%	5.62%
8/11/2011	10.00%	4.38%	5.62%
8/12/2011	10.35%	4.37%	5.98%
8/19/2011	10.25%	4.36%	5.89%
9/2/2011	12.88%	4.32%	8.56%
9/22/2011	10.00%	4.24%	5.76%
10/12/2011	10.30%	4.14%	6.16%
10/20/2011	10.50%	4.10%	6.40%
11/30/2011	10.90%	3.87%	7.03%
11/30/2011	10.90%	3.87%	7.03%
12/14/2011	10.00%	3.80%	6.20%
12/14/2011	10.30%	3.80%	6.50%

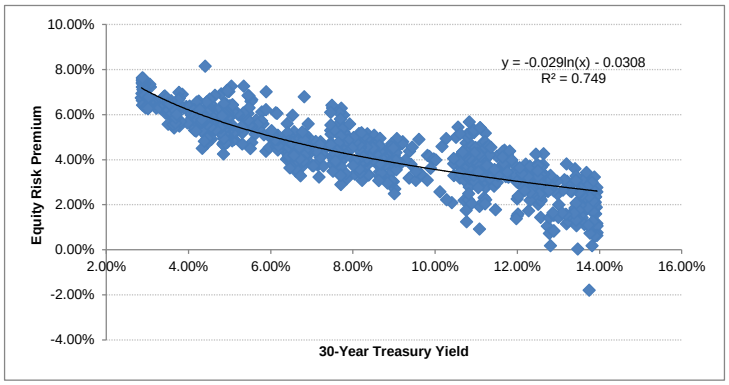
[6]	[7]	[8]	[9]
Date of Electric Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
12/20/2011	10.20%	3.76%	6.44%
12/21/2011	10.20%	3.76%	6.44%
12/22/2011	9.90%	3.75%	6.15%
12/22/2011	10.40%	3.75%	6.65%
12/23/2011	10.19%	3.74%	6.45%
1/25/2012	10.50%	3.57%	6.93%
1/27/2012	10.50%	3.56%	6.94%
2/15/2012	10.20%	3.47%	6.73%
2/23/2012	9.90%	3.44%	6.46%
2/27/2012	10.25%	3.43%	6.82%
2/29/2012	10.40%	3.41%	6.99%
3/29/2012	10.37%	3.32%	7.05%
4/4/2012	10.00%	3.30%	6.70%
4/26/2012	10.00%	3.21%	6.79%
5/2/2012	10.00%	3.18%	6.82%
5/7/2012	9.80%	3.17%	6.63%
5/15/2012	10.00%	3.14%	6.86%
5/29/2012	10.05%	3.11%	6.94%
6/7/2012	10.30%	3.08%	7 22%
6/14/2012	9.40%	3.06%	6 34%
6/15/2012	10.40%	3.06%	7 34%
6/18/2012	9.60%	3.06%	6 54%
6/19/2012	9.25%	3.05%	6 20%
6/26/2012	10.10%	3.04%	7 06%
6/29/2012	10.00%	3.04%	6 96%
7/9/2012	10.20%	3.03%	7.17%
7/16/2012	9.80%	3.02%	6.78%
7/20/2012	9.31%	3.01%	6 30%
7/20/2012	9.81%	3.01%	6 80%
9/13/2012	9.80%	2.94%	6 86%
9/19/2012	9.80%	2.94%	6 86%
9/19/2012	10.05%	2.94%	7.11%
9/26/2012	9.50%	2.94%	6 56%
10/12/2012	9.60%	2.93%	6 67%
10/23/2012	9.75%	2.93%	6.82%
10/24/2012	10.30%	2.93%	7.37%
11/9/2012	10.30%	2.92%	7.38%
11/28/2012	10.40%	2.90%	7.50%
11/29/2012	9.75%	2.90%	6.85%
11/29/2012	9.88%	2.90%	6.98%
12/5/2012	9.71%	2.89%	6.82%
12/5/2012	10.40%	2.89%	7.51%
12/12/2012	9.80%	2.88%	6.92%
12/13/2012	9.50%	2.88%	6.62%
12/13/2012	10.50%	2.88%	7.62%
12/14/2012	10.40%	2.88%	7 52%
12/19/2012	9.71%	2.88%	6 83%
12/19/2012	10.25%	2.88%	7 37%
12/20/2012	9.50%	2.87%	6 63%
12/20/2012	9.80%	2.87%	6 93%
12/20/2012	10.25%	2.87%	7 38%
12/20/2012	10.25%	2.87%	7 38%
12/20/2012	10.30%	2.87%	7.43%
12/20/2012	10.40%	2.87%	7 53%
12/20/2012	10.45%	2.87%	7 58%
12/21/2012	10.20%	2.87%	7 33%
12/26/2012	9.80%	2.86%	6 94%
1/9/2013	9.70%	2.85%	6 85%
1/9/2013	9.70%	2.85%	6 85%
1/9/2013	9.70%	2.85%	6 85%
1/16/2013	9.60%	2.84%	6.76%
1/16/2013	9.60%	2.84%	6.76%
2/13/2013	10.20%	2.84%	7 36%
2/22/2013	9.75%	2.85%	6 90%
2/27/2013	10.00%	2.86%	7.14%
3/5/2013	9.70%	2.86%	6 84%
3/14/2013	9.30%	2.88%	6.42%
3/27/2013	9.80%	2.90%	6 90%
5/1/2013	9.84%	2.94%	6.90%
5/15/2013	10.30%	2.96%	7.34%
5/30/2013	10.20%	2.98%	7.22%
5/31/2013	9.00%	2.98%	6.02%
6/11/2013	10.00%	3.00%	7.00%
6/21/2013	9.75%	3.02%	6.73%
6/25/2013	9.80%	3.03%	6.77%
7/12/2013	9.36%	3.08%	6.28%
8/8/2013	9.83%	3.14%	6.69%
8/14/2013	9.15%	3.16%	5.99%
9/11/2013	10.20%	3.26%	6.94%
9/11/2013	10.25%	3.26%	6.99%

[6]	[7]	[8]	[9]
Date of Electric Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
9/24/2013	10.20%	3.31%	6.89%
10/3/2013	9.65%	3.33%	6.32%
10/7/2013	10.00%	3.34%	6.66%
11/6/2013	10.20%	3.41%	6.79%
11/21/2013	10.00%	3.44%	6.56%
11/26/2013	10.00%	3.45%	6.55%
12/3/2013	10.25%	3.47%	6.78%
12/4/2013	9.50%	3.47%	6.03%
12/5/2013	10.20%	3.48%	6.72%
12/9/2013	8.72%	3.48%	5.24%
12/9/2013	9.75%	3.48%	6.27%
12/13/2013	9.75%	3.50%	6.25%
12/16/2013	9.95%	3.50%	6.45%
12/16/2013	9.95%	3.50%	6.45%
12/16/2013	10.12%	3.50%	6 62%
12/17/2013	9.50%	3.51%	5 99%
12/17/2013	10.95%	3.51%	7.44%
12/18/2013	8.72%	3.51%	5 21%
12/18/2013	9.80%	3.51%	6 29%
12/19/2013	10.15%	3.51%	6 64%
12/30/2013	9.30%	3.54%	5.76%
2/20/2014	9.20%	3.68%	5 52%
2/26/2014	9.75%	3.69%	6 06%
3/17/2014	9.55%	3.72%	5 83%
3/26/2014	9.40%	3.73%	5 67%
3/26/2014	9.96%	3.73%	6 23%
4/2/2014	9.70%	3.73%	5 97%
		Average	4.43%
		Number of Cases	1,421

Bond Yield Plus Risk Premium Analysis - Natural Gas Utilities

	[1] Constant	[2] Slope	[3] 30-Year Treasury Yield	[4] Risk Premium	[5] Return on Equity
29-Year Treasury, One-Year Forward [6]	-3 08%	-2.88%	3.72%	6.42%	10.14%
Blue Chip 2014 Consensus 30-Year Treasury [7]	-3 08%	-2.88%	3.97%	6 23%	10.20%
Blue Chip 2015 Consensus 30-Year Treasury [8]	-3 08%	-2.88%	4.30%	6.00%	10.30%

Notes:
[1] Constant of regression equation
[2] Slope of regression equation
[3] See Notes [6] and [7]
[4] Equals [1] + [2] x ln([3])
[5] Equals [3] + [4]
[6] Source: Bloomberg Professional
[7] Source: Blue Chip Financial Forecasts, Vol. 33, No. 4, April 1, 2014, at 2
[8] Source: Blue Chip Financial Forecasts, Vol. 32, No. 12, December 1, 2013, at 14
[9] Source: SNL Financial
[10] Source: SNL Financial
[11] Source: Bloomberg Professional, equals 192-trading day average (i.e. lag period)
[12] Equals [10] - [11]



[9] Date of Gas Rate Case	[10] Return on Equity	[11] Average 30-Year Treasury Yield	[12] Risk Premium
1/3/1980	12 55%	9.37%	3.18%
1/4/1980	13.75%	9.38%	4.37%
1/14/1980	13 20%	9.42%	3.78%
1/18/1980	14 00%	9.45%	4.56%
1/31/1980	12 61%	9.53%	3.08%
2/8/1980	14 50%	9.61%	4.89%
2/14/1980	13 00%	9.65%	3.35%
2/15/1980	13 00%	9.66%	3.34%
2/29/1980	14 00%	9.81%	4.19%
3/5/1980	14 00%	9.86%	4.14%
3/7/1980	13 50%	9.89%	3.61%
3/14/1980	14 00%	9.97%	4.03%
3/27/1980	12 69%	10.12%	2.57%
4/1/1980	14.75%	10.17%	4.58%
4/29/1980	12 50%	10.41%	2.09%
5/7/1980	14 27%	10.45%	3.82%
5/8/1980	13.75%	10.46%	3.29%
5/19/1980	15 50%	10.51%	4.99%
5/27/1980	14 60%	10.54%	4.06%
5/29/1980	16 00%	10.56%	5.44%
6/10/1980	13.78%	10.60%	3.18%
6/25/1980	14 25%	10.63%	3.62%
7/9/1980	14 51%	10.67%	3.84%
7/17/1980	12 90%	10.71%	2.19%
7/18/1980	13 80%	10.71%	3.09%
7/22/1980	14.10%	10.72%	3.38%
7/23/1980	14.19%	10.72%	3.47%
8/1/1980	12 50%	10.76%	1.74%
8/11/1980	14 85%	10.78%	4.07%
8/21/1980	13 03%	10.81%	2.22%
8/28/1980	13 61%	10.83%	2.78%
8/28/1980	14 00%	10.83%	3.17%
9/4/1980	14 00%	10.85%	3.15%
9/24/1980	15 00%	10.93%	4.07%
10/9/1980	14 50%	11.00%	3.50%

[9]	[10]	[11]	[12]
Date of Gas Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
10/9/1980	14 50%	11.00%	3.50%
10/24/1980	14 00%	11.06%	2.94%
10/27/1980	15 20%	11.07%	4.13%
10/27/1980	15 20%	11.07%	4.13%
10/28/1980	12 00%	11.08%	0.92%
10/28/1980	13 00%	11.08%	1.92%
10/31/1980	14 50%	11.11%	3.39%
11/4/1980	15 00%	11.12%	3.88%
11/6/1980	14 35%	11.13%	3.22%
11/10/1980	13 25%	11.15%	2.10%
11/17/1980	15 50%	11.18%	4.32%
11/19/1980	13 50%	11.19%	2.31%
12/5/1980	14 60%	11.22%	3.38%
12/8/1980	16.40%	11.22%	5.18%
12/12/1980	15.45%	11.23%	4.22%
12/17/1980	14 20%	11.23%	2.97%
12/17/1980	14.40%	11.23%	3.17%
12/18/1980	14 00%	11.23%	2.77%
12/22/1980	13.45%	11.23%	2.22%
12/26/1980	14 00%	11.22%	2.78%
12/30/1980	14 50%	11.22%	3.28%
12/31/1980	14 56%	11.22%	3.34%
1/7/1981	14 30%	11.21%	3.09%
1/12/1981	14 95%	11.21%	3.74%
1/26/1981	15 25%	11.20%	4.05%
1/30/1981	13 25%	11.22%	2.03%
2/11/1981	14 50%	11.28%	3.22%
2/20/1981	14 50%	11.33%	3.17%
3/12/1981	15 65%	11.50%	4.15%
3/25/1981	15 30%	11.60%	3.70%
4/1/1981	15 30%	11.68%	3.62%
4/9/1981	15 00%	11.78%	3.22%
4/29/1981	13 50%	12.00%	1.50%
4/29/1981	14 25%	12.00%	2.25%
4/30/1981	13 60%	12.02%	1.58%
4/30/1981	15 00%	12.02%	2.98%
5/21/1981	14 00%	12.27%	1.73%
6/3/1981	14 67%	12.37%	2.30%
6/22/1981	16 00%	12.48%	3.52%
6/25/1981	14.75%	12.51%	2.24%
7/2/1981	14 00%	12.57%	1.43%
7/10/1981	16 00%	12.62%	3.38%
7/14/1981	16 90%	12.64%	4.26%
7/21/1981	15.78%	12.69%	3.09%
7/27/1981	13.77%	12.73%	1.04%
7/27/1981	15 50%	12.73%	2.77%
7/31/1981	13 50%	12.78%	0.72%
7/31/1981	14 20%	12.78%	1.42%
8/12/1981	13.72%	12.89%	0.83%
8/12/1981	13.72%	12.89%	0.83%
8/12/1981	14.41%	12.89%	1.52%
8/25/1981	15.45%	12.98%	2.47%
8/27/1981	14.43%	13.00%	1.43%
8/28/1981	15 00%	13.01%	1.99%
9/23/1981	14 34%	13.20%	1.14%
9/24/1981	16 25%	13.21%	3.04%
9/29/1981	14 50%	13.24%	1.26%
9/30/1981	15 94%	13.25%	2.69%
10/2/1981	14 80%	13.27%	1.53%
10/12/1981	16 25%	13.33%	2.92%
10/20/1981	15 25%	13.41%	1.84%
10/20/1981	16 50%	13.41%	3.09%
10/20/1981	17 00%	13.41%	3.59%
10/23/1981	15 50%	13.45%	2.05%
10/26/1981	13 50%	13.47%	0.03%
10/29/1981	16 50%	13.51%	2.99%
11/4/1981	15 33%	13.54%	1.79%
11/6/1981	15.17%	13.56%	1.61%
11/12/1981	15 00%	13.58%	1.42%
11/25/1981	15 25%	13.61%	1.64%
11/25/1981	16.10%	13.61%	2.49%
11/25/1981	16.10%	13.61%	2.49%
11/30/1981	16.75%	13.61%	3.14%
12/1/1981	15.70%	13.61%	2.09%
12/1/1981	16 00%	13.61%	2.39%
12/15/1981	15 81%	13.63%	2.18%
12/17/1981	14.75%	13.63%	1.12%
12/22/1981	15.70%	13.64%	2.06%
12/22/1981	16 00%	13.64%	2.36%
12/30/1981	16 00%	13.67%	2.33%

[9]	[10]	[11]	[12]
Date of Gas Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
12/30/1981	16 25%	13.67%	2.58%
1/4/1982	15 50%	13.67%	1.83%
1/14/1982	11 95%	13.75%	-1.80%
1/25/1982	16 25%	13.80%	2.45%
1/27/1982	16 84%	13.81%	3.03%
1/31/1982	14 00%	13.82%	0.18%
2/2/1982	16 24%	13.83%	2.41%
2/8/1982	15 50%	13.86%	1.64%
2/9/1982	14 95%	13.86%	1.09%
2/9/1982	15.75%	13.86%	1.89%
2/11/1982	16 00%	13.88%	2.12%
3/1/1982	15 96%	13.89%	2.07%
3/8/1982	17.10%	13.88%	3.22%
3/26/1982	16 00%	13.89%	2.11%
3/31/1982	16 25%	13.91%	2.34%
4/1/1982	16 50%	13.91%	2.59%
4/6/1982	15 00%	13.92%	1.08%
4/9/1982	16 50%	13.93%	2.57%
4/12/1982	15.10%	13.94%	1.16%
4/12/1982	16.70%	13.94%	2.76%
4/18/1982	14.70%	13.94%	0.76%
4/27/1982	15 00%	13.94%	1.06%
5/10/1982	14 57%	13.94%	0.63%
5/14/1982	15 80%	13.92%	1.88%
5/20/1982	15 82%	13.91%	1.91%
5/21/1982	15 50%	13.91%	1.59%
5/25/1982	16 25%	13.90%	2.35%
6/2/1982	14 50%	13.89%	0.61%
6/7/1982	16 00%	13.88%	2.12%
6/23/1982	15 50%	13.86%	1.64%
6/25/1982	16 50%	13.86%	2.64%
7/1/1982	15 55%	13.84%	1.71%
7/1/1982	16 00%	13.84%	2.16%
7/2/1982	15.10%	13.84%	1.26%
7/13/1982	16 80%	13.82%	2.98%
7/22/1982	14 50%	13.77%	0.73%
7/28/1982	16.10%	13.74%	2.36%
7/30/1982	14 82%	13.73%	1.09%
8/4/1982	15 58%	13.71%	1.87%
8/6/1982	16 50%	13.70%	2.80%
8/11/1982	17.11%	13.68%	3.43%
8/25/1982	16 00%	13.57%	2.43%
8/30/1982	16 25%	13.55%	2.70%
9/3/1982	15 50%	13.53%	1.97%
9/9/1982	16 04%	13.52%	2.52%
9/15/1982	16 04%	13.50%	2.54%
9/17/1982	15 25%	13.50%	1.75%
9/29/1982	14 50%	13.44%	1.06%
9/30/1982	14.74%	13.43%	1.31%
9/30/1982	15 50%	13.43%	2.07%
9/30/1982	16 50%	13.43%	3.07%
9/30/1982	16.70%	13.43%	3.27%
10/1/1982	16 50%	13.42%	3.08%
10/8/1982	15 00%	13.38%	1.62%
10/15/1982	15 90%	13.32%	2.58%
10/19/1982	15 90%	13.29%	2.61%
10/27/1982	17 00%	13.20%	3.80%
10/28/1982	14.75%	13.18%	1.57%
11/2/1982	16 25%	13.15%	3.10%
11/4/1982	15.75%	13.11%	2.64%
11/5/1982	14.73%	13.09%	1.64%
11/17/1982	16 00%	12.96%	3.04%
11/23/1982	15 50%	12.89%	2.61%
11/24/1982	14 50%	12.87%	1.63%
11/24/1982	16 02%	12.87%	3.15%
11/30/1982	12 98%	12.81%	0.17%
11/30/1982	15 50%	12.81%	2.69%
11/30/1982	15 50%	12.81%	2.69%
11/30/1982	15 65%	12.81%	2.84%
11/30/1982	16 00%	12.81%	3.19%
11/30/1982	16.10%	12.81%	3.29%
12/3/1982	15 33%	12.75%	2.58%
12/8/1982	15.75%	12.69%	3.06%
12/13/1982	16 00%	12.65%	3.35%
12/14/1982	16.40%	12.63%	3.77%
12/17/1982	16 25%	12.58%	3.67%
12/20/1982	15 00%	12.57%	2.43%
12/21/1982	15.70%	12.56%	3.14%
12/28/1982	15 25%	12.50%	2.75%
12/28/1982	15 25%	12.50%	2.75%

[9]	[10]	[11]	[12]
Date of Gas Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
12/29/1982	16 25%	12.48%	3.77%
12/29/1982	16 25%	12.48%	3.77%
1/11/1983	15 90%	12.34%	3.56%
1/12/1983	15 50%	12.33%	3.17%
1/18/1983	15 00%	12.27%	2.73%
1/24/1983	15 50%	12.21%	3.29%
1/24/1983	16 00%	12.21%	3.79%
1/28/1983	14 90%	12.16%	2.74%
1/31/1983	15 00%	12.14%	2.86%
2/10/1983	15 00%	12.06%	2.94%
2/25/1983	15.70%	11.93%	3.77%
3/2/1983	15 25%	11.89%	3.36%
3/16/1983	16 00%	11.76%	4.24%
3/21/1983	14 96%	11.72%	3.24%
3/23/1983	15.40%	11.69%	3.71%
3/23/1983	16.10%	11.69%	4.41%
3/24/1983	15 00%	11.67%	3.33%
4/12/1983	13 25%	11.47%	1.78%
4/29/1983	15 05%	11.24%	3.81%
5/3/1983	15.40%	11.21%	4.19%
5/9/1983	15 50%	11.15%	4.35%
5/19/1983	14 85%	11.04%	3.81%
5/31/1983	14 00%	10.95%	3.05%
6/2/1983	14 50%	10.93%	3.57%
6/7/1983	14 50%	10.90%	3.60%
6/9/1983	14 85%	10.89%	3.96%
6/20/1983	14.15%	10.83%	3.32%
6/20/1983	16 50%	10.83%	5.67%
6/27/1983	14 50%	10.80%	3.70%
6/30/1983	14 80%	10.78%	4.02%
6/30/1983	15 90%	10.78%	5.12%
7/1/1983	14 80%	10.78%	4.02%
7/5/1983	15 00%	10.77%	4.23%
7/8/1983	15 50%	10.76%	4.74%
7/19/1983	15 00%	10.74%	4.26%
7/19/1983	15.10%	10.74%	4.36%
8/18/1983	15 30%	10.79%	4.51%
8/19/1983	15.79%	10.80%	4.99%
8/29/1983	16 00%	10.83%	5.17%
8/31/1983	14.75%	10.84%	3.91%
8/31/1983	15 25%	10.84%	4.41%
9/8/1983	14.75%	10.87%	3.88%
9/16/1983	15 51%	10.90%	4.61%
9/26/1983	14 50%	10.93%	3.57%
9/28/1983	14 25%	10.94%	3.31%
9/30/1983	16.15%	10.95%	5.20%
9/30/1983	16 25%	10.95%	5.30%
10/1/1983	16 25%	10.95%	5.30%
10/13/1983	15 52%	10.99%	4.53%
10/19/1983	15 20%	11.01%	4.19%
10/26/1983	14.75%	11.04%	3.71%
10/27/1983	14 88%	11.04%	3.84%
10/27/1983	15 33%	11.04%	4.29%
11/9/1983	14 82%	11.09%	3.73%
11/9/1983	16 51%	11.09%	5.42%
11/9/1983	16 51%	11.09%	5.42%
12/1/1983	14 50%	11.14%	3.36%
12/8/1983	15 90%	11.16%	4.74%
12/9/1983	15 30%	11.17%	4.13%
12/12/1983	14 50%	11.17%	3.33%
12/12/1983	15 50%	11.17%	4.33%
12/20/1983	15.40%	11.22%	4.18%
12/20/1983	16 00%	11.22%	4.78%
12/22/1983	15.75%	11.23%	4.52%
12/29/1983	15 00%	11.26%	3.74%
12/30/1983	15 00%	11.26%	3.74%
1/10/1984	15 90%	11.30%	4.60%
1/13/1984	15 50%	11.31%	4.19%
1/18/1984	15 53%	11.33%	4.20%
1/26/1984	15 90%	11.36%	4.54%
2/14/1984	14 25%	11.44%	2.81%
2/28/1984	14 50%	11.51%	2.99%
3/20/1984	16 00%	11.64%	4.36%
3/23/1984	15 50%	11.67%	3.83%
4/9/1984	15 20%	11.76%	3.44%
4/18/1984	16 20%	11.82%	4.38%
4/27/1984	15 85%	11.87%	3.98%
5/15/1984	13 35%	11.97%	1.38%
5/16/1984	15 00%	11.98%	3.02%
5/22/1984	14.40%	12.02%	2.38%

[9]	[10]	[11]	[12]
Date of Gas Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
6/13/1984	15 50%	12.15%	3.35%
7/10/1984	16 00%	12.31%	3.69%
8/7/1984	16 69%	12.45%	4.24%
8/9/1984	15 33%	12.46%	2.87%
8/17/1984	14 82%	12.49%	2.33%
8/21/1984	14 64%	12.49%	2.15%
8/27/1984	14 52%	12.51%	2.01%
8/28/1984	14.75%	12.51%	2.24%
8/30/1984	15 60%	12.52%	3.08%
9/12/1984	15 60%	12.55%	3.05%
9/12/1984	15 90%	12.55%	3.35%
9/25/1984	16 25%	12.57%	3.68%
10/2/1984	14 80%	12.57%	2.23%
10/9/1984	14.75%	12.58%	2.17%
10/10/1984	15 50%	12.58%	2.92%
10/18/1984	15 00%	12.59%	2.41%
10/24/1984	15 50%	12.58%	2.92%
11/7/1984	15 00%	12.58%	2.42%
11/20/1984	15 92%	12.58%	3.34%
11/30/1984	15 50%	12.56%	2.94%
12/18/1984	15 00%	12.53%	2.47%
12/20/1984	15 00%	12.53%	2.47%
12/28/1984	15.75%	12.50%	3.25%
12/28/1984	16 25%	12.50%	3.75%
1/2/1985	16 00%	12.50%	3.50%
1/31/1985	14.75%	12.39%	2.36%
2/7/1985	14 85%	12.36%	2.49%
2/15/1985	15 00%	12.32%	2.68%
2/20/1985	14 50%	12.31%	2.19%
2/22/1985	14 86%	12.31%	2.55%
3/14/1985	15 50%	12.25%	3.25%
3/28/1985	14 80%	12.18%	2.62%
4/9/1985	15 50%	12.11%	3.39%
4/16/1985	15.70%	12.06%	3.64%
6/10/1985	15.75%	11.64%	4.11%
6/26/1985	14 82%	11.53%	3.29%
7/9/1985	15 00%	11.45%	3.55%
7/26/1985	14 50%	11.33%	3.17%
8/29/1985	14 50%	11.15%	3.35%
8/30/1985	14 38%	11.14%	3.24%
9/12/1985	15 25%	11.10%	4.15%
9/23/1985	15 30%	11.06%	4.24%
9/25/1985	14 50%	11.05%	3.45%
9/26/1985	13 80%	11.05%	2.75%
9/26/1985	14 50%	11.05%	3.45%
10/25/1985	15 25%	10.95%	4.30%
11/8/1985	12 94%	10.89%	2.05%
11/20/1985	14 90%	10.84%	4.06%
11/25/1985	13 30%	10.82%	2.48%
12/6/1985	12 00%	10.76%	1.24%
12/11/1985	14 90%	10.74%	4.16%
12/20/1985	14 88%	10.67%	4.21%
12/20/1985	15 00%	10.67%	4.33%
12/20/1985	15 00%	10.67%	4.33%
12/30/1985	15.75%	10.61%	5.14%
12/31/1985	14 00%	10.59%	3.41%
12/31/1985	14 50%	10.59%	3.91%
1/17/1986	14 50%	10.45%	4.05%
2/11/1986	12 50%	10.28%	2.22%
2/12/1986	15 20%	10.27%	4.93%
3/11/1986	14 00%	10.02%	3.98%
4/2/1986	12 90%	9.81%	3.09%
4/28/1986	13 01%	9.53%	3.48%
5/21/1986	13 25%	9.28%	3.97%
5/28/1986	14 00%	9.21%	4.79%
5/29/1986	13 90%	9.19%	4.71%
6/2/1986	13 00%	9.17%	3.83%
6/11/1986	14 00%	9.07%	4.93%
6/13/1986	13 55%	9.04%	4.51%
6/27/1986	11 88%	8.89%	2.99%
7/14/1986	12 60%	8.71%	3.89%
7/30/1986	13 30%	8.52%	4.78%
8/14/1986	13 50%	8.35%	5.15%
9/5/1986	13 30%	8.15%	5.15%
9/23/1986	12.75%	8.01%	4.74%
10/30/1986	13 00%	7.78%	5.22%
10/31/1986	13.75%	7.77%	5.98%
11/10/1986	14 00%	7.72%	6.28%
11/19/1986	13.75%	7.66%	6.09%
11/25/1986	13.15%	7.63%	5.52%

[9]	[10]	[11]	[12]
Date of Gas Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
12/22/1986	13 80%	7.51%	6.29%
12/30/1986	13 90%	7.49%	6.41%
1/20/1987	12.75%	7.46%	5.29%
1/23/1987	13 55%	7.46%	6.09%
1/27/1987	12.16%	7.46%	4.70%
2/13/1987	12 60%	7.47%	5.13%
2/24/1987	12 00%	7.47%	4.53%
3/30/1987	12 20%	7.46%	4.74%
3/31/1987	13 00%	7.46%	5.54%
5/5/1987	12 85%	7.58%	5.27%
5/28/1987	13 50%	7.70%	5.80%
6/15/1987	13 20%	7.78%	5.42%
6/30/1987	12 60%	7.84%	4.76%
7/10/1987	12 90%	7.86%	5.04%
7/27/1987	13 50%	7.92%	5.58%
8/25/1987	11.40%	8.05%	3.35%
9/18/1987	13 00%	8.21%	4.79%
10/20/1987	12 60%	8.47%	4.13%
10/20/1987	12 98%	8.47%	4.51%
11/12/1987	12.75%	8.60%	4.15%
11/13/1987	12.75%	8.61%	4.14%
11/24/1987	12 50%	8.66%	3.84%
12/8/1987	12 50%	8.73%	3.77%
12/22/1987	12 00%	8.81%	3.19%
12/31/1987	12 85%	8.86%	3.99%
12/31/1987	13 25%	8.86%	4.39%
1/15/1988	13.15%	8.93%	4.22%
1/20/1988	12.75%	8.94%	3.81%
1/29/1988	13 20%	8.96%	4.24%
2/4/1988	12 60%	8.96%	3.64%
3/23/1988	13 00%	8.92%	4.08%
5/27/1988	13.18%	9.01%	4.17%
6/14/1988	13 50%	9.02%	4.48%
6/17/1988	11.72%	9.02%	2.70%
6/24/1988	11 50%	9.01%	2.49%
7/1/1988	12.75%	8.99%	3.76%
7/8/1988	12 00%	8.98%	3.02%
7/18/1988	12 00%	8.97%	3.03%
7/20/1988	13.40%	8.96%	4.44%
8/8/1988	12.74%	8.91%	3.83%
9/20/1988	12 90%	8.95%	3.95%
9/26/1988	12.40%	8.95%	3.45%
9/27/1988	13 65%	8.94%	4.71%
9/30/1988	13 25%	8.94%	4.31%
10/13/1988	13.10%	8.93%	4.17%
10/21/1988	12 80%	8.93%	3.87%
10/25/1988	13 25%	8.93%	4.32%
10/26/1988	13 50%	8.93%	4.57%
10/27/1988	12 95%	8.93%	4.02%
10/28/1988	13 00%	8.93%	4.07%
11/15/1988	12 00%	8.94%	3.06%
11/29/1988	12.75%	8.97%	3.78%
12/19/1988	13 00%	9.02%	3.98%
12/21/1988	12 90%	9.02%	3.88%
12/22/1988	13 50%	9.02%	4.48%
1/26/1989	12 60%	9.05%	3.55%
1/27/1989	13 00%	9.05%	3.95%
2/8/1989	13 37%	9.05%	4.32%
3/8/1989	13 00%	9.05%	3.95%
5/4/1989	13 00%	9.05%	3.95%
6/8/1989	13 50%	8.98%	4.52%
7/19/1989	11 80%	8.84%	2.96%
7/25/1989	12 80%	8.83%	3.97%
7/31/1989	13 00%	8.81%	4.19%
8/14/1989	12 50%	8.77%	3.73%
8/22/1989	12 80%	8.75%	4.05%
8/23/1989	12 90%	8.74%	4.16%
9/21/1989	12.10%	8.65%	3.45%
10/6/1989	13 00%	8.60%	4.40%
10/17/1989	12.41%	8.57%	3.84%
10/18/1989	13 25%	8.56%	4.69%
10/20/1989	12 90%	8.55%	4.35%
10/31/1989	13 60%	8.52%	5.08%
11/3/1989	12 93%	8.50%	4.43%
11/5/1989	13 20%	8.50%	4.70%
11/9/1989	12 60%	8.49%	4.11%
11/9/1989	13 00%	8.49%	4.51%
11/28/1989	12.75%	8.42%	4.33%
12/7/1989	13 25%	8.37%	4.88%
12/15/1989	13 00%	8.34%	4.66%

[9]	[10]	[11]	[12]
Date of Gas Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
12/20/1989	12 90%	8.32%	4.58%
12/21/1989	12 80%	8.31%	4.49%
12/21/1989	12 90%	8.31%	4.59%
12/27/1989	12 50%	8.29%	4.21%
1/9/1990	13 00%	8.25%	4.75%
1/18/1990	12 50%	8.22%	4.28%
1/26/1990	12.10%	8.20%	3.90%
3/21/1990	12 80%	8.15%	4.65%
3/28/1990	13 00%	8.16%	4.84%
4/5/1990	12 20%	8.17%	4.03%
4/12/1990	13 25%	8.18%	5.07%
4/30/1990	12.45%	8.23%	4.22%
5/31/1990	12.40%	8.30%	4.10%
6/15/1990	13 20%	8.32%	4.88%
6/27/1990	12 90%	8.33%	4.57%
6/29/1990	13 25%	8.33%	4.92%
7/6/1990	12.10%	8.34%	3.76%
7/19/1990	11.70%	8.36%	3.34%
8/31/1990	12 50%	8.49%	4.01%
8/31/1990	12 50%	8.49%	4.01%
9/13/1990	12 50%	8.54%	3.96%
9/18/1990	12.75%	8.55%	4.20%
9/20/1990	12 50%	8.56%	3.94%
10/2/1990	13 00%	8.61%	4.39%
10/17/1990	11 90%	8.66%	3.24%
10/31/1990	12 95%	8.69%	4.26%
11/9/1990	13 25%	8.69%	4.56%
11/19/1990	13 00%	8.69%	4.31%
11/21/1990	12.10%	8.69%	3.41%
11/21/1990	12 50%	8.69%	3.81%
11/28/1990	12.75%	8.69%	4.06%
11/29/1990	12.75%	8.69%	4.06%
12/18/1990	13.10%	8.67%	4.43%
12/20/1990	12 50%	8.66%	3.84%
12/21/1990	12 50%	8.66%	3.84%
12/21/1990	13 00%	8.66%	4.34%
12/21/1990	13 60%	8.66%	4.94%
1/3/1991	13 02%	8.65%	4.37%
1/16/1991	13 25%	8.64%	4.61%
1/25/1991	11.70%	8.63%	3.07%
2/15/1991	12.70%	8.56%	4.14%
2/15/1991	12 80%	8.56%	4.24%
4/3/1991	13 00%	8.51%	4.49%
4/30/1991	12.45%	8.48%	3.97%
4/30/1991	13 00%	8.48%	4.52%
6/25/1991	11.70%	8.39%	3.31%
6/28/1991	12 50%	8.38%	4.12%
7/1/1991	11.70%	8.38%	3.32%
7/19/1991	12.10%	8.34%	3.76%
7/19/1991	12 30%	8.34%	3.96%
7/22/1991	12 90%	8.34%	4.56%
8/15/1991	12 25%	8.29%	3.96%
8/29/1991	13 30%	8.27%	5.03%
9/27/1991	12 50%	8.23%	4.27%
9/30/1991	12.40%	8.23%	4.17%
10/3/1991	11 30%	8.22%	3.08%
10/9/1991	11.70%	8.22%	3.48%
10/15/1991	13.40%	8.21%	5.19%
11/1/1991	12 90%	8.19%	4.71%
11/8/1991	12.75%	8.18%	4.57%
11/26/1991	11 60%	8.18%	3.42%
11/26/1991	12 00%	8.18%	3.82%
11/27/1991	12.70%	8.18%	4.52%
12/6/1991	12.70%	8.17%	4.53%
12/10/1991	11.75%	8.16%	3.59%
12/19/1991	12 60%	8.15%	4.45%
12/19/1991	12 80%	8.15%	4.65%
12/30/1991	12.10%	8.12%	3.98%
1/22/1992	12 84%	8.06%	4.78%
1/31/1992	12 00%	8.04%	3.96%
2/20/1992	13 00%	8.02%	4.98%
2/27/1992	11.75%	8.01%	3.74%
3/18/1992	12 50%	7.98%	4.52%
5/15/1992	12.75%	7.88%	4.87%
6/24/1992	12 20%	7.85%	4.35%
6/29/1992	11 00%	7.85%	3.15%
7/14/1992	12 00%	7.84%	4.16%
7/22/1992	11 20%	7.83%	3.37%
8/10/1992	12.10%	7.80%	4.30%
8/26/1992	12.43%	7.76%	4.67%

[9]	[10]	[11]	[12]
Date of Gas Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
9/30/1992	11 60%	7.70%	3.90%
10/6/1992	12 25%	7.70%	4.55%
10/13/1992	12.75%	7.70%	5.05%
10/23/1992	11 65%	7.71%	3.94%
10/28/1992	12 25%	7.71%	4.54%
10/29/1992	12.75%	7.71%	5.04%
10/30/1992	11.40%	7.71%	3.69%
11/9/1992	10 60%	7.71%	2.89%
11/25/1992	11 00%	7.69%	3.31%
11/25/1992	12 00%	7.69%	4.31%
12/3/1992	11 85%	7.68%	4.17%
12/16/1992	11 90%	7.66%	4.24%
12/22/1992	12 30%	7.65%	4.65%
12/22/1992	12.40%	7.65%	4.75%
12/30/1992	12 00%	7.63%	4.37%
12/31/1992	12 00%	7.63%	4.37%
1/12/1993	12 00%	7.61%	4.39%
1/12/1993	12 00%	7.61%	4.39%
2/2/1993	11.40%	7.56%	3.84%
2/22/1993	11 60%	7.50%	4.10%
4/23/1993	11.75%	7.29%	4.46%
5/3/1993	11 50%	7.27%	4.23%
5/3/1993	11.75%	7.27%	4.48%
6/3/1993	12 00%	7.21%	4.79%
6/7/1993	11 50%	7.20%	4.30%
6/22/1993	11.75%	7.18%	4.57%
7/21/1993	11.78%	7.10%	4.68%
7/21/1993	11 90%	7.10%	4.80%
7/23/1993	11 50%	7.09%	4.41%
7/29/1993	11 50%	7.07%	4.43%
8/12/1993	10.75%	7.01%	3.74%
8/24/1993	11 50%	6.96%	4.54%
8/31/1993	11 90%	6.92%	4.98%
9/1/1993	11 25%	6.92%	4.33%
9/1/1993	11.47%	6.92%	4.55%
9/27/1993	10 50%	6.78%	3.72%
9/29/1993	11 00%	6.77%	4.23%
9/30/1993	11 60%	6.76%	4.84%
10/8/1993	11 50%	6.72%	4.78%
10/14/1993	11 20%	6.70%	4.50%
10/15/1993	11.75%	6.69%	5.06%
10/25/1993	11 55%	6.64%	4.91%
10/28/1993	11 50%	6.62%	4.88%
10/29/1993	10.10%	6.62%	3.48%
10/29/1993	10 20%	6.62%	3.58%
10/29/1993	11 25%	6.62%	4.63%
11/2/1993	10 80%	6.60%	4.20%
11/12/1993	11 80%	6.57%	5.23%
11/23/1993	12 50%	6.53%	5.97%
11/26/1993	11 00%	6.52%	4.48%
12/1/1993	11.45%	6.51%	4.94%
12/16/1993	10 60%	6.48%	4.12%
12/16/1993	11 20%	6.48%	4.72%
12/21/1993	11 30%	6.47%	4.83%
12/22/1993	11 00%	6.47%	4.53%
12/23/1993	10.10%	6.46%	3.64%
1/5/1994	11 50%	6.44%	5.06%
1/10/1994	11 00%	6.43%	4.57%
1/25/1994	12 00%	6.40%	5.60%
2/2/1994	10.40%	6.38%	4.02%
2/9/1994	10.70%	6.37%	4.33%
4/6/1994	11 24%	6.36%	4.88%
4/25/1994	11 00%	6.41%	4.59%
6/16/1994	10 50%	6.59%	3.91%
6/23/1994	10 60%	6.63%	3.97%
7/19/1994	10.70%	6.77%	3.93%
9/29/1994	10 90%	7.15%	3.75%
9/29/1994	11 00%	7.15%	3.85%
10/7/1994	11 87%	7.19%	4.68%
10/18/1994	11 50%	7.25%	4.25%
10/18/1994	11 50%	7.25%	4.25%
10/24/1994	11 00%	7.28%	3.72%
11/22/1994	12.12%	7.47%	4.65%
11/29/1994	11 30%	7.50%	3.80%
12/1/1994	11 00%	7.51%	3.49%
12/8/1994	11 50%	7.54%	3.96%
12/8/1994	11.70%	7.54%	4.16%
12/12/1994	11 82%	7.55%	4.27%
12/14/1994	11 50%	7.56%	3.94%
12/19/1994	11 50%	7.58%	3.92%

[9]	[10]	[11]	[12]
Date of Gas Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
4/19/1995	11 00%	7.70%	3.30%
9/11/1995	11 30%	7.20%	4.10%
9/15/1995	10.40%	7.18%	3.22%
9/29/1995	11 50%	7.11%	4.39%
10/13/1995	10.76%	7.04%	3.72%
11/7/1995	12 50%	6.91%	5.59%
11/8/1995	11.10%	6.90%	4.20%
11/8/1995	11 30%	6.90%	4.40%
11/17/1995	10 90%	6.86%	4.04%
11/20/1995	11.40%	6.85%	4.55%
11/27/1995	13 60%	6.82%	6.78%
12/14/1995	11 30%	6.72%	4.58%
12/20/1995	11 60%	6.70%	4.90%
1/31/1996	11 30%	6.50%	4.80%
3/11/1996	11 60%	6.41%	5.19%
4/3/1996	11.13%	6.42%	4.71%
4/15/1996	10 50%	6.43%	4.07%
4/17/1996	10.77%	6.43%	4.34%
4/26/1996	10 60%	6.43%	4.17%
5/10/1996	11 00%	6.44%	4.56%
5/13/1996	11 25%	6.44%	4.81%
7/3/1996	11 25%	6.49%	4.76%
7/22/1996	11 25%	6.53%	4.72%
10/3/1996	10 00%	6.72%	3.28%
10/29/1996	11 30%	6.79%	4.51%
11/26/1996	11 30%	6.83%	4.47%
11/27/1996	11 30%	6.83%	4.47%
11/29/1996	11 00%	6.83%	4.17%
12/12/1996	11 96%	6.84%	5.12%
12/17/1996	11 50%	6.83%	4.67%
1/22/1997	11 30%	6.83%	4.47%
1/27/1997	11 25%	6.84%	4.41%
1/31/1997	11 25%	6.84%	4.41%
2/13/1997	11 00%	6.82%	4.18%
2/13/1997	11 80%	6.82%	4.98%
2/20/1997	11 80%	6.82%	4.98%
3/27/1997	10.75%	6.80%	3.95%
4/29/1997	11.70%	6.81%	4.89%
7/17/1997	12 00%	6.77%	5.23%
10/29/1997	10.75%	6.71%	4.04%
10/31/1997	11 25%	6.70%	4.55%
12/24/1997	10.75%	6.56%	4.19%
4/28/1998	10 90%	6.13%	4.77%
4/30/1998	12 20%	6.12%	6.08%
6/30/1998	11 00%	5.97%	5.03%
8/26/1998	10 93%	5.84%	5.09%
9/3/1998	11.40%	5.81%	5.59%
9/15/1998	11 90%	5.78%	6.12%
10/7/1998	11 06%	5.71%	5.35%
10/30/1998	11.40%	5.65%	5.75%
12/10/1998	12 20%	5.54%	6.66%
12/17/1998	12.10%	5.52%	6.58%
2/19/1999	11.15%	5.35%	5.80%
3/1/1999	10 65%	5.34%	5.31%
3/1/1999	10 65%	5.34%	5.31%
6/8/1999	11 25%	5.35%	5.90%
11/12/1999	10 25%	5.88%	4.37%
12/14/1999	10 50%	5.96%	4.54%
1/28/2000	10.71%	6.13%	4.58%
2/17/2000	10 60%	6.17%	4.43%
5/25/2000	10 80%	6.18%	4.62%
6/19/2000	11 05%	6.18%	4.87%
6/22/2000	11 25%	6.17%	5.08%
7/17/2000	11 06%	6.16%	4.90%
7/20/2000	12 20%	6.15%	6.05%
8/11/2000	11 00%	6.11%	4.89%
9/27/2000	11 25%	6.04%	5.21%
9/29/2000	11.16%	6.03%	5.13%
10/5/2000	11 30%	6.02%	5.28%
11/28/2000	12 90%	5.89%	7.01%
11/30/2000	12.10%	5.88%	6.22%
2/5/2001	11 50%	5.78%	5.72%
3/15/2001	11 25%	5.68%	5.57%
5/8/2001	10.75%	5.62%	5.13%
10/24/2001	10 30%	5.54%	4.76%
10/24/2001	11 00%	5.54%	5.46%
1/9/2002	10 00%	5.51%	4.49%
1/30/2002	11 00%	5.49%	5.51%
1/31/2002	11 00%	5.49%	5.51%
4/17/2002	11 50%	5.45%	6.05%

[9]	[10]	[11]	[12]
Date of Gas Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
4/29/2002	11 00%	5.45%	5.55%
6/11/2002	11.77%	5.47%	6.30%
6/20/2002	12 30%	5.48%	6.82%
8/28/2002	11 00%	5.48%	5.52%
9/11/2002	11 20%	5.46%	5.74%
9/12/2002	12 30%	5.45%	6.85%
10/28/2002	11 30%	5.35%	5.95%
10/30/2002	10 60%	5.35%	5.25%
11/1/2002	12 60%	5.34%	7.26%
11/7/2002	11.40%	5.33%	6.07%
11/8/2002	10.75%	5.33%	5.42%
11/20/2002	10 00%	5.31%	4.69%
11/20/2002	10 50%	5.31%	5.19%
12/4/2002	10.75%	5.29%	5.46%
12/30/2002	11 20%	5.22%	5.98%
1/6/2003	11 25%	5.20%	6.05%
2/28/2003	12 30%	5.05%	7.25%
3/7/2003	9 96%	5.02%	4.94%
3/12/2003	11.40%	5.01%	6.39%
3/20/2003	12 00%	4.98%	7.02%
4/3/2003	12 00%	4.96%	7.04%
5/2/2003	11.40%	4.90%	6.50%
5/15/2003	11 05%	4.88%	6.17%
6/26/2003	11 00%	4.79%	6.21%
7/1/2003	11 00%	4.79%	6.21%
7/29/2003	11.71%	4.80%	6.91%
8/22/2003	10 20%	4.83%	5.37%
9/17/2003	9 90%	4.85%	5.05%
9/25/2003	10 25%	4.85%	5.40%
10/17/2003	10 54%	4.87%	5.67%
10/22/2003	10.46%	4.87%	5.59%
10/22/2003	10.71%	4.87%	5.84%
10/30/2003	11 00%	4.88%	6.12%
10/31/2003	10 20%	4.88%	5.32%
10/31/2003	10.75%	4.88%	5.87%
11/10/2003	10 60%	4.89%	5.71%
12/9/2003	10 50%	4.92%	5.58%
12/18/2003	10 50%	4.94%	5.56%
12/19/2003	12 00%	4.94%	7.06%
12/19/2003	12 00%	4.94%	7.06%
1/13/2004	10 25%	4.95%	5.30%
1/13/2004	12 00%	4.95%	7.05%
2/9/2004	11 25%	4.95%	6.30%
3/16/2004	10 90%	5.01%	5.89%
3/16/2004	10 90%	5.01%	5.89%
5/25/2004	10 00%	5.08%	4.92%
6/2/2004	11 22%	5.08%	6.14%
6/30/2004	10 50%	5.10%	5.40%
7/8/2004	10 00%	5.11%	4.89%
7/22/2004	10 25%	5.11%	5.14%
8/26/2004	10 50%	5.10%	5.40%
8/26/2004	10 50%	5.10%	5.40%
9/9/2004	10.40%	5.10%	5.30%
9/21/2004	10 50%	5.09%	5.41%
9/27/2004	10 30%	5.09%	5.21%
9/27/2004	10 50%	5.09%	5.41%
10/20/2004	10 20%	5.07%	5.13%
11/30/2004	10 60%	5.06%	5.54%
12/8/2004	9 90%	5.06%	4.84%
12/21/2004	11 50%	5.07%	6.43%
12/22/2004	11 50%	5.07%	6.43%
12/28/2004	10 25%	5.07%	5.18%
2/18/2005	10 30%	4.98%	5.32%
3/29/2005	11 00%	4.89%	6.11%
4/13/2005	10 60%	4.86%	5.74%
4/28/2005	11 00%	4.83%	6.17%
5/17/2005	10 00%	4.78%	5.22%
6/8/2005	10.18%	4.73%	5.45%
6/10/2005	10 90%	4.72%	6.18%
7/6/2005	10 50%	4.67%	5.83%
7/19/2005	11 50%	4.64%	6.86%
8/11/2005	10.40%	4.62%	5.78%
9/19/2005	9.45%	4.55%	4.90%
9/30/2005	10 51%	4.54%	5.97%
10/4/2005	9 90%	4.54%	5.36%
10/4/2005	10.75%	4.54%	6.21%
10/14/2005	10.40%	4.53%	5.87%
10/31/2005	10 25%	4.53%	5.72%
11/2/2005	9.70%	4.53%	5.17%
11/30/2005	10 00%	4.55%	5.45%

[9]	[10]	[11]	[12]
Date of Gas Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
12/9/2005	9.70%	4.55%	5.15%
12/12/2005	11 00%	4.55%	6.45%
12/20/2005	10.13%	4.54%	5.59%
12/21/2005	10.40%	4.54%	5.86%
12/21/2005	11 00%	4.54%	6.46%
12/22/2005	10 20%	4.54%	5.66%
12/22/2005	11 00%	4.54%	6.46%
12/28/2005	10 00%	4.54%	5.46%
1/5/2006	11 00%	4.53%	6.47%
1/25/2006	11 20%	4.52%	6.68%
1/25/2006	11 20%	4.52%	6.68%
2/3/2006	10 50%	4.52%	5.98%
2/15/2006	9 50%	4.53%	4.97%
4/26/2006	10 60%	4.64%	5.96%
7/24/2006	9 60%	4.86%	4.74%
7/24/2006	10 00%	4.86%	5.14%
9/20/2006	11 00%	4.91%	6.09%
9/26/2006	10.75%	4.91%	5.84%
10/20/2006	9 80%	4.93%	4.87%
11/2/2006	9.71%	4.95%	4.76%
11/9/2006	10 00%	4.95%	5.05%
11/21/2006	11 00%	4.95%	6.05%
12/5/2006	10 20%	4.95%	5.25%
1/5/2007	10.40%	4.95%	5.45%
1/9/2007	11 00%	4.95%	6.05%
1/11/2007	10 90%	4.95%	5.95%
1/19/2007	10 80%	4.94%	5.86%
1/26/2007	10 00%	4.94%	5.06%
2/8/2007	10.40%	4.93%	5.47%
3/14/2007	10.10%	4.87%	5.23%
3/20/2007	10 25%	4.87%	5.38%
3/21/2007	11 35%	4.87%	6.48%
3/22/2007	10 50%	4.86%	5.64%
3/29/2007	10 00%	4.85%	5.15%
6/13/2007	10.75%	4.82%	5.93%
6/29/2007	9 53%	4.84%	4.69%
6/29/2007	10.10%	4.84%	5.26%
7/3/2007	10 25%	4.84%	5.41%
7/13/2007	9 50%	4.86%	4.64%
7/24/2007	10.40%	4.87%	5.53%
8/1/2007	10.15%	4.87%	5.28%
8/29/2007	10 50%	4.89%	5.61%
9/10/2007	9.71%	4.90%	4.81%
9/19/2007	10 00%	4.90%	5.10%
9/25/2007	9.70%	4.91%	4.79%
10/8/2007	10.48%	4.91%	5.57%
10/19/2007	10 50%	4.91%	5.59%
10/25/2007	9 65%	4.91%	4.74%
11/15/2007	10 00%	4.89%	5.11%
11/20/2007	9 90%	4.88%	5.02%
11/27/2007	10 00%	4.87%	5.13%
11/29/2007	10 90%	4.87%	6.03%
12/14/2007	10 80%	4.86%	5.94%
12/18/2007	10.40%	4.86%	5.54%
12/19/2007	9 80%	4.86%	4.94%
12/19/2007	9 80%	4.86%	4.94%
12/19/2007	10 20%	4.86%	5.34%
12/21/2007	9.10%	4.85%	4.25%
1/8/2008	10.75%	4.83%	5.92%
1/17/2008	10.75%	4.81%	5.94%
1/17/2008	10.75%	4.81%	5.94%
2/5/2008	9 99%	4.78%	5.21%
2/5/2008	10.19%	4.78%	5.41%
2/13/2008	10 20%	4.77%	5.43%
3/31/2008	10 00%	4.67%	5.33%
5/28/2008	10 50%	4.55%	5.95%
6/24/2008	10 00%	4.54%	5.46%
6/27/2008	10 00%	4.54%	5.46%
7/31/2008	10.70%	4.51%	6.19%
7/31/2008	10 82%	4.51%	6.31%
8/27/2008	10 25%	4.50%	5.75%
9/2/2008	10 25%	4.50%	5.75%
9/19/2008	10.70%	4.48%	6.22%
9/24/2008	10 68%	4.48%	6.20%
9/24/2008	10 68%	4.48%	6.20%
9/24/2008	10 68%	4.48%	6.20%
9/30/2008	10 20%	4.48%	5.72%
10/3/2008	10 30%	4.47%	5.83%
10/8/2008	10.15%	4.46%	5.69%
10/20/2008	10 06%	4.46%	5.60%

[9]	[10]	[11]	[12]
Date of Gas Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
10/24/2008	10 60%	4.45%	6.15%
10/24/2008	10 60%	4.45%	6.15%
11/21/2008	10 50%	4.43%	6.07%
11/21/2008	10 50%	4.43%	6.07%
11/21/2008	10 50%	4.43%	6.07%
11/24/2008	10 50%	4.42%	6.08%
12/3/2008	10 39%	4.38%	6.01%
12/24/2008	10 00%	4.26%	5.74%
12/26/2008	10.10%	4.25%	5.85%
12/29/2008	10 20%	4.24%	5.96%
1/13/2009	10.45%	4.16%	6.29%
2/2/2009	10 05%	4.07%	5.98%
3/9/2009	10 30%	3.95%	6.35%
3/25/2009	10.17%	3.88%	6.29%
4/2/2009	10.75%	3.85%	6.90%
5/5/2009	10.75%	3.77%	6.98%
5/15/2009	10 20%	3.75%	6.45%
5/29/2009	9 54%	3.74%	5.80%
6/3/2009	10.10%	3.74%	6.36%
6/22/2009	10 00%	3.76%	6.24%
6/29/2009	10 21%	3.77%	6.44%
6/30/2009	9 31%	3.77%	5.54%
7/17/2009	9 26%	3.78%	5.48%
7/17/2009	10 50%	3.78%	6.72%
10/16/2009	10.40%	4.02%	6.38%
10/26/2009	10.10%	4.06%	6.04%
10/28/2009	10.15%	4.08%	6.07%
10/28/2009	10.15%	4.08%	6.07%
10/30/2009	9 95%	4.09%	5.86%
11/20/2009	9.45%	4.15%	5.30%
12/14/2009	10.50%	4.21%	6.29%
12/16/2009	10.75%	4.21%	6.54%
12/17/2009	10.30%	4.22%	6.08%
12/18/2009	10.40%	4.22%	6.18%
12/18/2009	10.40%	4.22%	6.18%
12/18/2009	10 50%	4.22%	6.28%
12/22/2009	10 20%	4.23%	5.97%
12/22/2009	10.40%	4.23%	6.17%
12/28/2009	10 85%	4.25%	6.60%
12/29/2009	10 38%	4.26%	6.12%
1/11/2010	10 24%	4.30%	5.94%
1/21/2010	10 23%	4.34%	5.89%
1/21/2010	10 33%	4.34%	5.99%
1/26/2010	10.40%	4.35%	6.05%
2/10/2010	10 00%	4.38%	5.62%
2/23/2010	10 50%	4.41%	6.09%
3/9/2010	9 60%	4.41%	5.19%
3/24/2010	10.13%	4.42%	5.71%
3/31/2010	10.70%	4.42%	6.28%
4/1/2010	9 50%	4.42%	5.08%
4/2/2010	10.10%	4.43%	5.67%
4/8/2010	10 35%	4.44%	5.91%
4/29/2010	9.19%	4.46%	4.73%
4/29/2010	9.40%	4.46%	4.94%
4/29/2010	9.40%	4.46%	4.94%
5/17/2010	10 55%	4.45%	6.10%
5/24/2010	10 05%	4.44%	5.61%
6/3/2010	11 00%	4.44%	6.56%
6/16/2010	10 00%	4.44%	5.56%
6/18/2010	10 30%	4.44%	5.86%
8/9/2010	12 55%	4.41%	8.14%
8/17/2010	10.10%	4.39%	5.71%
9/16/2010	9 60%	4.33%	5.27%
9/16/2010	10 00%	4.33%	5.67%
9/16/2010	10 00%	4.33%	5.67%
9/16/2010	10 30%	4.33%	5.97%
10/21/2010	10.40%	4.22%	6.18%
11/2/2010	9.75%	4.20%	5.55%
11/2/2010	9.75%	4.20%	5.55%
11/3/2010	10.75%	4.20%	6.55%
11/19/2010	10 20%	4.18%	6.02%
12/1/2010	10 00%	4.16%	5.84%
12/6/2010	9 56%	4.15%	5.41%
12/6/2010	10 09%	4.15%	5.94%
12/9/2010	10 25%	4.15%	6.10%
12/14/2010	10 33%	4.15%	6.18%
12/17/2010	10.10%	4.15%	5.95%
12/20/2010	10.10%	4.15%	5.95%
12/23/2010	9 92%	4.14%	5.78%
1/6/2011	10 35%	4.13%	6.22%

[9]	[10]	[11]	[12]
Date of Gas Rate Case	Return on Equity	Average 30-Year Treasury Yield	Risk Premium
1/12/2011	10 30%	4.12%	6.18%
1/13/2011	10 30%	4.12%	6.18%
3/10/2011	10.10%	4.16%	5.94%
3/31/2011	9.45%	4.19%	5.26%
4/18/2011	10 05%	4.22%	5.83%
4/21/2011	10 00%	4.23%	5.77%
5/26/2011	10 50%	4.27%	6.23%
6/21/2011	10 00%	4.32%	5.68%
6/29/2011	8 83%	4.33%	4.50%
8/1/2011	9 20%	4.39%	4.81%
9/1/2011	10.10%	4.32%	5.78%
11/14/2011	9 60%	3.98%	5.62%
12/13/2011	9 50%	3.81%	5.69%
12/20/2011	10 00%	3.76%	6.24%
12/22/2011	10.40%	3.75%	6.65%
1/10/2012	9 06%	3.65%	5.41%
1/10/2012	9.45%	3.65%	5.80%
1/10/2012	9.45%	3.65%	5.80%
1/23/2012	10 20%	3.58%	6.62%
1/31/2012	10 00%	3.54%	6.46%
4/24/2012	9 50%	3.22%	6.28%
4/24/2012	9.75%	3.22%	6.53%
5/7/2012	9 80%	3.17%	6.63%
5/22/2012	9 60%	3.12%	6.48%
5/24/2012	9.70%	3.12%	6.58%
6/7/2012	10 30%	3.08%	7.22%
6/15/2012	10.40%	3.06%	7.34%
6/18/2012	9 60%	3.06%	6.54%
7/2/2012	9.75%	3.03%	6.72%
10/24/2012	10 30%	2.93%	7.37%
10/26/2012	9 50%	2.93%	6.57%
10/31/2012	9.30%	2.93%	6.37%
10/31/2012	9.90%	2.93%	6.97%
10/31/2012	10.00%	2.93%	7.07%
11/1/2012	9.45%	2.93%	6.52%
11/8/2012	10.10%	2.92%	7.18%
11/9/2012	10 30%	2.92%	7.38%
11/26/2012	10 00%	2.90%	7.10%
11/28/2012	10.40%	2.90%	7.50%
11/28/2012	10 50%	2.90%	7.60%
12/4/2012	10 00%	2.89%	7.11%
12/4/2012	10 50%	2.89%	7.61%
12/14/2012	10.40%	2.88%	7.52%
12/20/2012	9 50%	2.87%	6.63%
12/20/2012	10.10%	2.87%	7.23%
12/20/2012	10 25%	2.87%	7.38%
12/20/2012	10 30%	2.87%	7.43%
12/20/2012	10.40%	2.87%	7.53%
12/20/2012	10 50%	2.87%	7.63%
12/26/2012	9 80%	2.86%	6.94%
2/22/2013	9 60%	2.85%	6.75%
3/14/2013	9 30%	2.88%	6.42%
3/27/2013	9 80%	2.90%	6.90%
4/23/2013	9 80%	2.93%	6.87%
5/10/2013	9 25%	2.95%	6.30%
6/13/2013	9.40%	3.01%	6.39%
6/18/2013	9 28%	3.01%	6.27%
6/18/2013	9 28%	3.01%	6.27%
6/25/2013	9 80%	3.03%	6.77%
9/23/2013	9 60%	3.30%	6.30%
11/6/2013	10 20%	3.40%	6.80%
11/13/2013	9.84%	3.42%	6.42%
11/14/2013	10.25%	3.42%	6.83%
11/22/2013	9.50%	3.44%	6.06%
12/5/2013	10.20%	3.47%	6.73%
12/13/2013	9.60%	3.50%	6.10%
12/16/2013	9.73%	3.50%	6.23%
12/17/2013	10.00%	3.50%	6.50%
12/18/2013	9 08%	3.51%	5.57%
12/23/2013	9.72%	3.52%	6.20%
12/30/2013	10 00%	3.53%	6.47%
1/21/2014	9 65%	3.60%	6.05%
1/29/2014	9.18%	3.62%	5.56%
2/20/2014	9 30%	3.68%	5.62%
2/21/2014	9 85%	3.68%	6.17%
2/28/2014	9 55%	3.69%	5.86%
3/16/2014	9.72%	3.71%	6.01%
		Average	4.45%
		Number of Cases	992

Electric Operations for Combination Proxy Group Companies - Year End 2013

Company	Ticker	[1] Electric Revenue	[2] Total Regulated Revenue	[3] Percent Electric Revenue	[4] Electric Operating Income	[5] Total Regulated Operating Income	[6] Percent Electric Operating Income	[7] Electric Customers	[8] Natural Gas Customers	[9] Percent Electric Customers
		$ Millions	*$ Millions*		*$ Millions*	*$ Millions*				
Alliant Energy Corporation	LNT	$2,689.0	$3,225.1	83.38%	$444.5	$508.1	87.48%	992,379	417,821	70.37%
Black Hills Corporation	BKH	$665.3	$1,205.0	55.21%	$133.6	$210.4	63.51%	202,520	573,522	26.10%
CMS Energy Corporation	CMS	$4,173.0	$6,321.0	66.02%	$783.0	$1,117.0	70.10%	1,793,000	1,724,000	50.98%
DTE Energy Company	DTE	$5,199.0	$6,805.0	76.40%	$994.0	$1,345.0	73.90%	2,100,000	1,200,000	63.64%
SCANA Corporation	SCG	$2,429.0	$3,372.0	72.03%	$679.0	$832.0	81.61%	678,268	837,728	44.74%
TECO Energy, Inc. [10]	TE	$1,950.5	$2,344.0	83.21%	$190.9	$225.6	84.62%	698,826	347,932	66.76%
Vectren Corporation [10]	VVC	$619.3	$1,429.3	43.33%	$75.8	$131.5	57.64%	142,562	994,879	12.53%
PROXY GROUP MEAN		$2,532.2	$3,528.8	68.51%	$ 471.5	$ 624.2	74.12%	943,936	870,840	47.87%
PROXY GROUP MEDIAN		$2,429.0	$3,225.1	72.03%	$ 444.5	$ 508.1	73.90%	698,826	837,728	50.98%
Public Service Company of Colorado [10], [11]		$3,081.2	$4,202.6	73.32%	$368.6	$453.4	81.30%	1,397,026	1,335,261	51.13%

Notes:
[1] Source: SNL Financial
[2] Source: SNL Financial
[3] Column [1] / Column [2]
[4] Source: SNL Financial
[5] Source: SNL Financial
[6] Column [4] / Column [5]
[7] Source: SNL Financial
[8] Source: SNL Financial
[9] Column [7] / (Column [7] + Column [8])
[10] Segment operating income before tax was used where available; when necessary segment net income was used.
[11] Source: Public Service Company of Colorado, SEC Form 10-K for the fiscal year ended December 31, 2013, pages 10, 11, and 82

Change in Net Plant and Asset Turnover
Value Line Universe - Annual Average

Year	Average Revenue/Net Plant	Average Change in Net Plant	Cumulative Change in Net Plant
2003	74.15%	13.15%	13.15%
2004	74.38%	3.46%	17.06%
2005	82.32%	4.09%	21.85%
2006	74.57%	9.01%	32.83%
2007	71.38%	10.48%	46.76%
2008	69.86%	11.66%	63.87%
2009	55.89%	7.75%	76.57%
2010	53.01%	9.51%	93.37%
2011	50.61%	8.55%	109.90%
2012	44.73%	9.45%	129.73%
2013	45.01%	4.88%	140.95%
2014	43.57%	6.77%	157.27%
2015	44.19%	4.69%	169.34%
3-5 Year Projection	44.50%	12.22%	202.25%

Change in Net Plant and Asset Turnover
Value Line Universe - Individual Company Results

Ticker	Year	Revenue	Net Plant	Revenue/Net Plant	Change in Net Plant	Change in Revenue/Net Plant
ALE	2002	NA	NA			
ALE	2003	NA	NA			
ALE	2004	$ 751.40	$ 883.10	85.09%		
ALE	2005	737.40	860.40	85.70%	-2.57%	0.73%
ALE	2006	767.10	921.60	83.24%	7.11%	-2.88%
ALE	2007	841.70	1,104.50	76.21%	19.85%	-8.44%
ALE	2008	801.00	1,387.30	57.74%	25.60%	-24.23%
ALE	2009	759.10	1,622.70	46.78%	16.97%	-18.98%
ALE	2010	907.00	1,805.60	50.23%	11.27%	7.38%
ALE	2011	928.20	1,982.70	46.81%	9.81%	-6.80%
ALE	2012	961.20	2,347.60	40.94%	18.40%	-12.54%
ALE	2013	1,018.40	2,576.50	39.53%	9.75%	-3.46%
ALE	2014	1,090.00	3,090.00	35.28%	19.93%	-10.76%
ALE	2015	1,185.00	3,275.00	36.18%	5.99%	2.57%
ALE	2017-2019	1,375.00	3,525.00	39.01%	7.63%	7.80%
LNT	2002	$ 2,608.80	$ 3,729.20	69.96%		
LNT	2003	3,128.20	4,432.60	70.57%	18.86%	0.88%
LNT	2004	2,958.70	5,284.60	55.99%	19.22%	-20.67%
LNT	2005	3,279.60	4,866.20	67.40%	-7.92%	20.38%
LNT	2006	3,359.40	4,944.90	67.94%	1.62%	0.80%
LNT	2007	3,437.60	4,679.90	73.45%	-5.36%	8.12%
LNT	2008	3,681.70	5,353.50	68.77%	14.39%	-6.38%
LNT	2009	3,432.80	6,203.00	55.34%	15.87%	-19.53%
LNT	2010	3,416.10	6,730.60	50.75%	8.51%	-8.29%
LNT	2011	3,665.30	7,037.10	52.09%	4.55%	2.62%
LNT	2012	3,094.50	7,838.00	39.48%	11.38%	-24.20%
LNT	2013	3,276.80	7,147.30	45.85%	-8.81%	16.12%
LNT	2014	3,400.00	8,200.00	41.46%	14.73%	-9.56%
LNT	2015	3,800.00	8,500.00	44.71%	3.66%	7.82%
LNT	2017-2019	4,500.00	9,500.00	47.37%	11.76%	5.96%
AEE	2002	$ 3,841.00	$ 8,914.00	43.09%		
AEE	2003	4,593.00	10,917.00	42.07%	22.47%	-2.36%
AEE	2004	5,160.00	13,297.00	38.81%	21.80%	-7.76%
AEE	2005	6,780.00	13,572.00	49.96%	2.07%	28.73%
AEE	2006	6,880.00	14,286.00	48.16%	5.26%	-3.60%
AEE	2007	7,546.00	15,069.00	50.08%	5.48%	3.98%
AEE	2008	7,839.00	16,567.00	47.32%	9.94%	-5.51%
AEE	2009	7,090.00	17,610.00	40.26%	6.30%	-14.91%
AEE	2010	7,638.00	17,853.00	42.78%	1.38%	6.26%
AEE	2011	7,531.00	18,127.00	41.55%	1.53%	-2.89%
AEE	2012	6,828.00	16,096.00	42.42%	-11.20%	2.11%

Change in Net Plant and Asset Turnover
Value Line Universe - Individual Company Results

Ticker	Year	Revenue	Net Plant	Revenue/Net Plant	Change in Net Plant	Change in Revenue/Net Plant
AEE	2013	5,838.00	16,205.00	36.03%	0.68%	-15.07%
AEE	2014	6,100.00	17,225.00	35.41%	6.29%	-1.70%
AEE	2015	6,450.00	18,100.00	35.64%	5.08%	0.63%
AEE	2017-2019	7,300.00	20,000.00	36.50%	10.50%	2.43%
AEP	2002	$ 14,555.00	$ 21,684.00	67.12%		
AEP	2003	14,545.00	22,029.00	66.03%	1.59%	-1.63%
AEP	2004	14,057.00	22,801.00	61.65%	3.50%	-6.63%
AEP	2005	12,111.00	24,284.00	49.87%	6.50%	-19.11%
AEP	2006	12,622.00	26,781.00	47.13%	10.28%	-5.50%
AEP	2007	13,380.00	29,870.00	44.79%	11.53%	-4.96%
AEP	2008	14,440.00	32,987.00	43.77%	10.44%	-2.28%
AEP	2009	13,489.00	34,344.00	39.28%	4.11%	-10.28%
AEP	2010	14,427.00	35,674.00	40.44%	3.87%	2.97%
AEP	2011	15,116.00	36,971.00	40.89%	3.64%	1.10%
AEP	2012	14,945.00	38,763.00	38.55%	4.85%	-5.70%
AEP	2013	15,357.00	40,997.00	37.46%	5.76%	-2.84%
AEP	2014	15,550.00	42,950.00	36.20%	4.76%	-3.35%
AEP	2015	16,000.00	44,800.00	35.71%	4.31%	-1.36%
AEP	2017-2019	18,550.00	49,700.00	37.32%	10.94%	4.51%
AVA	2002	$ 980.40	$ 1,563.70	62.70%		
AVA	2003	1,123.40	1,944.60	57.77%	24.36%	-7.86%
AVA	2004	1,151.60	1,956.10	58.87%	0.59%	1.91%
AVA	2005	1,359.60	2,126.40	63.94%	8.71%	8.61%
AVA	2006	1,506.30	2,215.00	68.00%	4.17%	6.36%
AVA	2007	1,417.80	2,351.30	60.30%	6.15%	-11.33%
AVA	2008	1,676.80	2,492.20	67.28%	5.99%	11.58%
AVA	2009	1,512.60	2,607.00	58.02%	4.61%	-13.76%
AVA	2010	1,558.70	2,714.20	57.43%	4.11%	-1.02%
AVA	2011	1,619.80	2,860.80	56.62%	5.40%	-1.41%
AVA	2012	1,547.00	3,023.70	51.16%	5.69%	-9.64%
AVA	2013	1,600.00	3,155.00	50.71%	4.34%	-0.88%
AVA	2014	1,675.00	3,285.00	50.99%	4.12%	0.54%
AVA	2016-2018	2,000.00	3,750.00	53.33%	14.16%	4.60%
BKH	2002	$ 423.90	$ 1,476.30	28.71%		
BKH	2003	1,136.10	1,442.40	78.76%	-2.30%	174.31%
BKH	2004	1,121.70	1,445.70	77.59%	0.23%	-1.49%
BKH	2005	1,391.60	1,435.40	96.95%	-0.71%	24.95%
BKH	2006	656.90	1,646.40	39.90%	14.70%	-58.85%
BKH	2007	695.90	1,823.50	38.16%	10.76%	-4.35%
BKH	2008	1,005.80	2,022.20	49.74%	10.90%	30.33%
BKH	2009	1,269.60	2,160.70	58.76%	6.85%	18.14%
BKH	2010	1,307.30	2,495.40	52.39%	15.49%	-10.84%
BKH	2011	1,272.20	2,789.60	45.61%	11.79%	-12.95%
BKH	2012	1,173.90	2,742.70	42.80%	-1.68%	-6.15%
BKH	2013	1,250.00	3,065.00	40.78%	11.75%	-4.71%
BKH	2014	1,325.00	3,360.00	39.43%	9.62%	-3.31%
BKH	2016-2018	1,500.00	3,900.00	38.46%	16.07%	-2.47%
CNP	2002	$ 7,922.50	$ 11,409.00	69.44%		
CNP	2003	9,760.10	11,812.00	82.63%	3.53%	18.99%
CNP	2004	8,510.40	8,186.40	103.96%	-30.69%	25.81%
CNP	2005	9,722.00	8,492.00	114.48%	3.73%	10.13%
CNP	2006	9,319.00	9,204.00	101.25%	8.38%	-11.56%
CNP	2007	9,623.00	9,740.00	98.80%	5.82%	-2.42%
CNP	2008	11,322.00	10,296.00	109.97%	5.71%	11.30%
CNP	2009	8,281.00	10,788.00	76.76%	4.78%	-30.19%
CNP	2010	8,785.00	11,732.00	74.88%	8.75%	-2.45%
CNP	2011	8,450.00	12,402.00	68.13%	5.71%	-9.01%
CNP	2012	7,452.00	13,597.00	54.81%	9.64%	-19.56%
CNP	2013	8,106.00	9,593.00	84.50%	-29.45%	54.18%
CNP	2014	7,900.00	9,975.00	79.20%	3.98%	-6.27%
CNP	2015	8,200.00	10,225.00	80.20%	2.51%	1.26%
CNP	2017-2019	9,400.00	10,600.00	88.68%	3.67%	10.58%
CNL	2002	$ 721.20	$ 1,566.20	46.05%		
CNL	2003	874.60	1,417.10	61.72%	-9.52%	34.03%
CNL	2004	745.80	1,060.00	70.36%	-25.20%	14.00%
CNL	2005	920.20	1,188.70	77.41%	12.14%	10.03%
CNL	2006	1,000.70	1,304.90	76.69%	9.78%	-0.94%
CNL	2007	1,030.60	1,725.90	59.71%	32.26%	-22.13%

Change in Net Plant and Asset Turnover
Value Line Universe - Individual Company Results

Ticker	Year	Revenue	Net Plant	Revenue/Net Plant	Change in Net Plant	Change in Revenue/Net Plant
CNL	2008	1,080.20	2,045.30	52.81%	18.51%	-11.56%
CNL	2009	853.80	2,247.00	38.00%	9.86%	-28.05%
CNL	2010	1,148.70	2,784.20	41.26%	23.91%	8.58%
CNL	2011	1,117.30	2,893.90	38.61%	3.94%	-6.42%
CNL	2012	993.70	3,009.50	33.02%	3.99%	-14.48%
CNL	2013	1,096.70	3,083.10	35.57%	2.45%	7.73%
CNL	2014	1,225.00	3,125.00	39.20%	1.36%	10.20%
CNL	2015	1,325.00	3,075.00	43.09%	-1.60%	9.92%
CNL	2017-2019	1,425.00	2,850.00	50.00%	-7.32%	16.04%
CMS	2002	$ 8,687.00	$ 5,234.00	165.97%		
CMS	2003	5,513.00	6,944.00	79.39%	32.67%	-52.17%
CMS	2004	5,472.00	8,636.00	63.36%	24.37%	-20.19%
CMS	2005	6,288.00	7,845.00	80.15%	-9.16%	26.50%
CMS	2006	6,810.00	7,976.00	85.38%	1.67%	6.52%
CMS	2007	6,519.00	8,728.00	74.69%	9.43%	-12.52%
CMS	2008	6,821.00	9,190.00	74.22%	5.29%	-0.63%
CMS	2009	6,205.00	9,682.00	64.09%	5.35%	-13.65%
CMS	2010	6,432.00	10,069.00	63.88%	4.00%	-0.33%
CMS	2011	6,503.00	10,633.00	61.16%	5.60%	-4.26%
CMS	2012	6,312.00	11,551.00	54.64%	8.63%	-10.65%
CMS	2013	6,566.00	12,246.00	53.62%	6.02%	-1.88%
CMS	2014	6,800.00	13,225.00	51.42%	7.99%	-4.10%
CMS	2015	6,950.00	13,975.00	49.73%	5.67%	-3.28%
CMS	2017-2019	7,750.00	15,800.00	49.05%	13.06%	-1.37%
ED	2002	$ 8,482.00	$ 13,329.00	63.64%		
ED	2003	9,827.00	15,225.00	64.55%	14.22%	1.43%
ED	2004	9,758.00	16,106.00	60.59%	5.79%	-6.13%
ED	2005	11,690.00	17,112.00	68.31%	6.25%	12.76%
ED	2006	12,137.00	18,445.00	65.80%	7.79%	-3.68%
ED	2007	13,120.00	19,914.00	65.88%	7.96%	0.13%
ED	2008	13,583.00	20,874.00	65.07%	4.82%	-1.23%
ED	2009	13,032.00	22,464.00	58.01%	7.62%	-10.85%
ED	2010	13,325.00	23,863.00	55.84%	6.23%	-3.75%
ED	2011	12,938.00	25,093.00	51.56%	5.15%	-7.66%
ED	2012	12,188.00	26,939.00	45.24%	7.36%	-12.25%
ED	2013	12,500.00	28,500.00	43.86%	5.79%	-3.06%
ED	2014	12,500.00	29,725.00	42.05%	4.30%	-4.12%
ED	2015	12,800.00	31,100.00	41.16%	4.63%	-2.13%
ED	2017-2019	14,250.00	34,400.00	41.42%	10.61%	0.65%
D	2002	$ 10,218.00	$ 20,257.00	50.44%		
D	2003	12,078.00	25,850.00	46.72%	27.61%	-7.37%
D	2004	13,972.00	26,716.00	52.30%	3.35%	11.93%
D	2005	18,041.00	28,940.00	62.34%	8.32%	19.20%
D	2006	16,482.00	29,382.00	56.10%	1.53%	-10.02%
D	2007	15,674.00	21,352.00	73.41%	-27.33%	30.86%
D	2008	16,290.00	23,274.00	69.99%	9.00%	-4.65%
D	2009	15,131.00	25,592.00	59.12%	9.96%	-15.53%
D	2010	15,197.00	26,713.00	56.89%	4.38%	-3.78%
D	2011	14,379.00	29,670.00	48.46%	11.07%	-14.81%
D	2012	13,093.00	30,773.00	42.55%	3.72%	-12.21%
D	2013	13,120.00	32,628.00	40.21%	6.03%	-5.49%
D	2014	11,500.00	36,625.00	31.40%	12.25%	-21.91%
D	2015	11,800.00	39,625.00	29.78%	8.19%	-5.16%
D	2017-2019	12,800.00	46,500.00	27.53%	17.35%	-7.56%
DTE	2002	$ 6,749.00	$ 9,813.00	68.78%		
DTE	2003	7,041.00	10,324.00	68.20%	5.21%	-0.84%
DTE	2004	7,114.00	10,491.00	67.81%	1.62%	-0.57%
DTE	2005	9,022.00	10,830.00	83.31%	3.23%	22.85%
DTE	2006	9,022.00	11,451.00	78.79%	5.73%	-5.42%
DTE	2007	8,861.00	11,408.00	77.67%	-0.38%	-1.41%
DTE	2008	9,329.00	12,231.00	76.27%	7.21%	-1.80%
DTE	2009	8,014.00	12,431.00	64.47%	1.64%	-15.48%
DTE	2010	8,557.00	12,992.00	65.86%	4.51%	2.17%
DTE	2011	8,897.00	13,746.00	64.72%	5.80%	-1.73%
DTE	2012	8,791.00	14,684.00	59.87%	6.82%	-7.50%
DTE	2013	9,661.00	15,800.00	61.15%	7.60%	2.13%
DTE	2014	10,200.00	16,925.00	60.27%	7.12%	-1.44%
DTE	2015	10,650.00	17,500.00	60.86%	3.40%	0.98%

Change in Net Plant and Asset Turnover
Value Line Universe - Individual Company Results

Ticker	Year	Revenue	Net Plant	Revenue/Net Plant	Change in Net Plant	Change in Revenue/Net Plant
DTE	2017-2019	12,150.00	19,000.00	63.95%	8.57%	5.08%
DUK	2002	NA	NA			
DUK	2003	NA	NA			
DUK	2004	NA	NA			
DUK	2005	NA	NA			
DUK	2006	$ 10,607.00	$ 41,447.00	25.59%		
DUK	2007	12,720.00	31,110.00	40.89%	-24.94%	59.77%
DUK	2008	13,207.00	34,036.00	38.80%	9.41%	-5.10%
DUK	2009	12,731.00	37,950.00	33.55%	11.50%	-13.55%
DUK	2010	14,272.00	40,344.00	35.38%	6.31%	5.45%
DUK	2011	14,529.00	42,661.00	34.06%	5.74%	-3.73%
DUK	2012	19,624.00	68,558.00	28.62%	60.70%	-15.95%
DUK	2013	24,600.00	71,450.00	34.43%	4.22%	20.28%
DUK	2014	25,750.00	75,050.00	34.31%	5.04%	-0.35%
DUK	2015	26,700.00	78,550.00	33.99%	4.66%	-0.93%
DUK	2017-2019	30,200.00	88,500.00	34.12%	12.67%	0.39%
EIX	2002	$ 11,488.00	$ 8,247.00	139.30%		
EIX	2003	12,135.00	12,587.00	96.41%	52.63%	-30.79%
EIX	2004	10,199.00	13,475.00	75.69%	7.05%	-21.49%
EIX	2005	11,852.00	14,469.00	81.91%	7.38%	8.22%
EIX	2006	12,622.00	15,913.00	79.32%	9.98%	-3.17%
EIX	2007	13,113.00	17,403.00	75.35%	9.36%	-5.00%
EIX	2008	14,112.00	18,969.00	74.40%	9.00%	-1.27%
EIX	2009	12,374.00	21,966.00	56.33%	15.80%	-24.28%
EIX	2010	12,409.00	24,778.00	50.08%	12.80%	-11.10%
EIX	2011	12,760.00	32,116.00	39.73%	29.61%	-20.67%
EIX	2012	11,862.00	30,273.00	39.18%	-5.74%	-1.38%
EIX	2013	12,350.00	30,275.00	40.79%	0.01%	4.11%
EIX	2014	13,250.00	32,225.00	41.12%	6.44%	0.80%
EIX	2016-2018	15,750.00	37,900.00	41.56%	17.61%	1.07%
EE	2002	690.10	$ 1,345.00	51.31%		
EE	2003	664.40	1,298.00	51.19%	-3.49%	-0.24%
EE	2004	708.60	1,283.00	55.23%	-1.16%	7.90%
EE	2005	803.90	1,291.70	62.24%	0.68%	12.68%
EE	2006	816.50	1,332.20	61.29%	3.14%	-1.52%
EE	2007	877.40	1,450.60	60.49%	8.89%	-1.31%
EE	2008	1,038.90	1,595.60	65.11%	10.00%	7.65%
EE	2009	828.00	1,756.00	47.15%	10.05%	-27.58%
EE	2010	877.30	1,865.80	47.02%	6.25%	-0.28%
EE	2011	918.00	1,947.10	47.15%	4.36%	0.27%
EE	2012	852.90	2,102.30	40.57%	7.97%	-13.95%
EE	2013	900.00	2,270.00	39.65%	7.98%	-2.27%
EE	2014	925.00	2,510.00	36.85%	10.57%	-7.05%
EE	2016-2018	1,025.00	2,800.00	36.61%	11.55%	-0.67%
EDE	2002	$ 305.90	$ 794.10	38.52%		
EDE	2003	325.50	833.90	39.03%	5.01%	1.33%
EDE	2004	325.50	857.00	37.98%	2.77%	-2.70%
EDE	2005	386.20	896.00	43.10%	4.55%	13.48%
EDE	2006	413.50	1,031.00	40.11%	15.07%	-6.95%
EDE	2007	490.20	1,178.90	41.58%	14.35%	3.68%
EDE	2008	518.20	1,342.80	38.59%	13.90%	-7.19%
EDE	2009	497.20	1,459.00	34.08%	8.65%	-11.69%
EDE	2010	541.30	1,519.10	35.63%	4.12%	4.56%
EDE	2011	576.90	1,563.70	36.89%	2.94%	3.54%
EDE	2012	557.10	1,657.60	33.61%	6.00%	-8.90%
EDE	2013	594.30	1,751.90	33.92%	5.69%	0.94%
EDE	2014	630.00	1,895.00	33.25%	8.17%	-2.00%
EDE	2015	670.00	1,990.00	33.67%	5.01%	1.27%
EDE	2017-2019	790.00	2,000.00	39.50%	0.50%	17.32%
ETR	2002	$ 8,305.00	$ 17,195.00	48.30%		
ETR	2003	9,195.00	18,299.00	50.25%	6.42%	4.04%
ETR	2004	10,124.00	18,696.00	54.15%	2.17%	7.77%
ETR	2005	10,106.00	19,197.00	52.64%	2.68%	-2.78%
ETR	2006	10,932.00	19,438.00	56.24%	1.26%	6.83%
ETR	2007	11,484.00	20,974.00	54.75%	7.90%	-2.64%
ETR	2008	13,094.00	22,429.00	58.38%	6.94%	6.62%
ETR	2009	10,746.00	23,389.00	45.94%	4.28%	-21.30%
ETR	2010	11,488.00	23,848.00	48.17%	1.96%	4.85%

Change in Net Plant and Asset Turnover
Value Line Universe - Individual Company Results

Ticker	Year	Revenue	Net Plant	Revenue/Net Plant	Change in Net Plant	Change in Revenue/Net Plant
ETR	2011	11,229.00	25,609.00	43.85%	7.38%	-8.98%
ETR	2012	10,302.00	27,299.00	37.74%	6.60%	-13.94%
ETR	2013	11,391.00	27,882.00	40.85%	2.14%	8.26%
ETR	2014	11,500.00	28,275.00	40.67%	1.41%	-0.45%
ETR	2015	11,700.00	28,675.00	40.80%	1.41%	0.32%
ETR	2017-2019	12,900.00	29,100.00	44.33%	1.48%	8.65%
EXC	2002	$ 14,955.00	$ 17,134.00	87.28%		
EXC	2003	15,812.00	20,630.00	76.65%	20.40%	-12.19%
EXC	2004	14,515.00	21,482.00	67.57%	4.13%	-11.84%
EXC	2005	15,357.00	21,981.00	69.86%	2.32%	3.40%
EXC	2006	15,655.00	22,775.00	68.74%	3.61%	-1.61%
EXC	2007	18,916.00	24,153.00	78.32%	6.05%	13.94%
EXC	2008	18,859.00	25,813.00	73.06%	6.87%	-6.71%
EXC	2009	17,318.00	27,341.00	63.34%	5.92%	-13.30%
EXC	2010	18,644.00	29,941.00	62.27%	9.51%	-1.69%
EXC	2011	18,924.00	32,570.00	58.10%	8.78%	-6.69%
EXC	2012	23,489.00	45,186.00	51.98%	38.74%	-10.53%
EXC	2013	24,901.00	47,330.00	52.61%	4.74%	1.21%
EXC	2014	25,500.00	49,475.00	51.54%	4.53%	-2.03%
EXC	2015	25,550.00	51,350.00	49.76%	3.79%	-3.46%
EXC	2017-2019	27,000.00	56,100.00	48.13%	9.25%	-3.27%
FE	2002	$ 12,152.00	$ 12,680.00	95.84%		
FE	2003	12,307.00	13,269.00	92.75%	4.65%	-3.22%
FE	2004	12,453.00	13,478.00	92.40%	1.58%	-0.38%
FE	2005	11,989.00	13,998.00	85.65%	3.86%	-7.30%
FE	2006	11,501.00	14,667.00	78.41%	4.78%	-8.45%
FE	2007	12,802.00	15,383.00	83.22%	4.88%	6.13%
FE	2008	13,627.00	17,723.00	76.89%	15.21%	-7.61%
FE	2009	12,712.00	19,164.00	66.33%	8.13%	-13.73%
FE	2010	13,339.00	19,788.00	67.41%	3.26%	1.62%
FE	2011	16,258.00	30,337.00	53.59%	53.31%	-20.50%
FE	2012	15,294.00	32,903.00	46.48%	8.46%	-13.27%
FE	2013	14,800.00	33,350.00	44.38%	1.36%	-4.53%
FE	2014	15,000.00	35,500.00	42.25%	6.45%	-4.79%
FE	2015	15,300.00	36,775.00	41.60%	3.59%	-1.54%
FE	2017-2019	16,250.00	40,900.00	39.73%	11.22%	-4.50%
GXP	2002	$ 1,861.90	$ 2,604.10	71.50%		
GXP	2003	2,149.50	2,700.90	79.58%	3.72%	11.31%
GXP	2004	2,464.00	2,734.50	90.11%	1.24%	13.22%
GXP	2005	2,604.90	2,765.60	94.19%	1.14%	4.53%
GXP	2006	2,675.30	3,066.20	87.25%	10.87%	-7.37%
GXP	2007	3,267.10	3,444.50	94.85%	12.34%	8.71%
GXP	2008	1,670.10	6,081.30	27.46%	76.55%	-71.05%
GXP	2009	1,965.00	6,651.10	29.54%	9.37%	7.58%
GXP	2010	2,255.50	6,892.30	32.72%	3.63%	10.77%
GXP	2011	2,318.00	7,053.50	32.86%	2.34%	0.42%
GXP	2012	2,309.90	7,402.10	31.21%	4.94%	-5.04%
GXP	2013	2,446.30	7,746.40	31.58%	4.65%	1.20%
GXP	2014	2,600.00	8,110.00	32.06%	4.69%	1.52%
GXP	2015	2,700.00	8,370.00	32.26%	3.21%	0.62%
GXP	2017-2019	3,050.00	8,600.00	35.47%	2.75%	9.94%
HE	2002	$ 1,653.70	$ 2,079.30	79.53%		
HE	2003	1,781.30	2,311.90	77.05%	11.19%	-3.12%
HE	2004	1,924.10	2,422.30	79.43%	4.78%	3.09%
HE	2005	2,215.60	2,542.80	87.13%	4.97%	9.69%
HE	2006	2,460.90	2,647.50	92.95%	4.12%	6.68%
HE	2007	2,536.40	2,743.40	92.45%	3.62%	-0.53%
HE	2008	3,218.90	2,907.40	110.71%	5.98%	19.75%
HE	2009	2,309.60	3,088.60	74.78%	6.23%	-32.46%
HE	2010	2,665.00	3,165.90	84.18%	2.50%	12.57%
HE	2011	3,242.30	3,334.50	97.23%	5.33%	15.51%
HE	2012	3,375.00	3,594.80	93.89%	7.81%	-3.44%
HE	2013	3,200.00	3,780.00	84.66%	5.15%	-9.83%
HE	2014	3,350.00	4,105.00	81.61%	8.60%	-3.60%
HE	2016-2018	4,000.00	5,525.00	72.40%	34.59%	-11.29%
IDA	2002	$ 928.80	$ 1,906.50	48.72%		
IDA	2003	782.70	2,088.30	37.48%	9.54%	-23.07%
IDA	2004	844.50	2,209.50	38.22%	5.80%	1.98%

Change in Net Plant and Asset Turnover
Value Line Universe - Individual Company Results

Ticker	Year	Revenue	Net Plant	Revenue/Net Plant	Change in Net Plant	Change in Revenue/Net Plant
IDA	2005	859.50	2,314.30	37.14%	4.74%	-2.83%
IDA	2006	926.30	2,419.10	38.29%	4.53%	3.10%
IDA	2007	879.40	2,616.60	33.61%	8.16%	-12.23%
IDA	2008	960.40	2,758.20	34.82%	5.41%	3.60%
IDA	2009	1,049.80	2,917.00	35.99%	5.76%	3.36%
IDA	2010	1,036.00	3,161.40	32.77%	8.38%	-8.94%
IDA	2011	1,026.80	3,406.60	30.14%	7.76%	-8.02%
IDA	2012	1,080.70	3,536.00	30.56%	3.80%	1.40%
IDA	2013	1,200.00	3,715.00	32.30%	5.06%	5.69%
IDA	2014	1,175.00	3,890.00	30.21%	4.71%	-6.49%
IDA	2016-2018	1,300.00	4,510.00	28.82%	15.94%	-4.57%
TEG	2002	$ 2,674.90	$ 1,610.20	166.12%		
TEG	2003	4,321.30	1,828.70	236.30%	13.57%	42.25%
TEG	2004	4,890.60	2,002.60	244.21%	9.51%	3.35%
TEG	2005	6,962.70	2,049.40	339.74%	2.34%	39.12%
TEG	2006	6,890.70	2,534.80	271.84%	23.68%	-19.99%
TEG	2007	10,292.00	4,463.80	230.57%	76.10%	-15.18%
TEG	2008	14,048.00	4,773.30	294.30%	6.93%	27.64%
TEG	2009	7,499.80	4,945.10	151.66%	3.60%	-48.47%
TEG	2010	5,203.20	5,013.40	103.79%	1.38%	-31.57%
TEG	2011	4,708.70	5,199.10	90.57%	3.70%	-12.74%
TEG	2012	4,212.40	5,501.90	76.56%	5.82%	-15.46%
TEG	2013	5,634.60	6,410.50	87.90%	16.51%	14.80%
TEG	2014	5,900.00	7,185.00	82.12%	12.08%	-6.58%
TEG	2015	6,100.00	7,805.00	78.16%	8.63%	-4.82%
TEG	2017-2019	6,750.00	9,650.00	69.95%	23.64%	-10.50%
ITC	2002	NA	NA			
ITC	2003	NA	NA			
ITC	2004	126.40	513.70	24.61%		
ITC	2005	205.30	603.60	34.01%	17.50%	38.23%
ITC	2006	223.60	1,197.90	18.67%	98.46%	-45.12%
ITC	2007	426.20	1,960.40	21.74%	63.65%	16.47%
ITC	2008	617.90	2,304.40	26.81%	17.55%	23.34%
ITC	2009	621.00	2,542.10	24.43%	10.32%	-8.90%
ITC	2010	696.80	2,872.30	24.26%	12.99%	-0.69%
ITC	2011	757.40	3,415.80	22.17%	18.92%	-8.60%
ITC	2012	830.50	4,134.60	20.09%	21.04%	-9.41%
ITC	2013	941.30	4,846.50	19.42%	17.22%	-3.31%
ITC	2014	1,050.00	5,585.00	18.80%	15.24%	-3.20%
ITC	2015	1,175.00	6,350.00	18.50%	13.70%	-1.58%
ITC	2017-2019	1,650.00	8,375.00	19.70%	31.89%	6.47%
MGEE	2002	$ 347.10	$ 451.50	76.88%		
MGEE	2003	401.50	537.50	74.70%	19.05%	-2.83%
MGEE	2004	424.90	607.40	69.95%	13.00%	-6.35%
MGEE	2005	513.40	667.70	76.89%	9.93%	9.92%
MGEE	2006	507.50	728.40	69.67%	9.09%	-9.39%
MGEE	2007	537.60	844.00	63.70%	15.87%	-8.58%
MGEE	2008	596.00	901.20	66.13%	6.78%	3.83%
MGEE	2009	533.80	939.80	56.80%	4.28%	-14.11%
MGEE	2010	532.60	968.00	55.02%	3.00%	-3.13%
MGEE	2011	546.40	995.60	54.88%	2.85%	-0.25%
MGEE	2012	541.30	1,073.50	50.42%	7.82%	-8.12%
MGEE	2013	590.90	1,160.20	50.93%	8.08%	1.01%
MGEE	2014	600.00	1,220.00	49.18%	5.15%	-3.44%
MGEE	2015	630.00	1,280.00	49.22%	4.92%	0.08%
MGEE	2017-2019	750.00	1,500.00	50.00%	17.19%	1.59%
NEE	2002	$ 8,311.00	$ 14,304.00	58.10%		
NEE	2003	9,630.00	20,297.00	47.45%	41.90%	-18.34%
NEE	2004	10,522.00	21,226.00	49.57%	4.58%	4.48%
NEE	2005	11,846.00	22,463.00	52.74%	5.83%	6.38%
NEE	2006	15,710.00	24,499.00	64.13%	9.06%	21.60%
NEE	2007	15,263.00	28,652.00	53.27%	16.95%	-16.93%
NEE	2008	16,410.00	32,411.00	50.63%	13.12%	-4.95%
NEE	2009	15,643.00	36,078.00	43.36%	11.31%	-14.36%
NEE	2010	15,317.00	39,075.00	39.20%	8.31%	-9.59%
NEE	2011	15,341.00	42,490.00	36.10%	8.74%	-7.89%
NEE	2012	14,256.00	49,413.00	28.85%	16.29%	-20.09%
NEE	2013	15,136.00	52,720.00	28.71%	6.69%	-0.49%

Change in Net Plant and Asset Turnover
Value Line Universe - Individual Company Results

Ticker	Year	Revenue	Net Plant	Revenue/Net Plant	Change in Net Plant	Change in Revenue/Net Plant
NEE	2014	15,600.00	55,775.00	27.97%	5.79%	-2.58%
NEE	2015	16,200.00	57,325.00	28.26%	2.78%	1.04%
NEE	2017-2019	18,000.00	62,800.00	28.66%	9.55%	1.42%
NU	2002	$ 5,216.30	$ 4,728.40	110.32%		
NU	2003	6,069.20	5,429.90	111.77%	14.84%	1.32%
NU	2004	6,686.70	5,864.20	114.03%	8.00%	2.01%
NU	2005	5,507.30	6,417.20	85.82%	9.43%	-24.74%
NU	2006	6,884.40	6,242.20	110.29%	-2.73%	28.51%
NU	2007	5,822.20	7,229.90	80.53%	15.82%	-26.98%
NU	2008	5,800.10	8,207.90	70.66%	13.53%	-12.25%
NU	2009	5,439.40	8,840.00	61.53%	7.70%	-12.92%
NU	2010	4,898.20	9,567.70	51.20%	8.23%	-16.80%
NU	2011	4,465.70	10,403.00	42.93%	8.73%	-16.15%
NU	2012	6,273.80	16,605.00	37.78%	59.62%	-11.98%
NU	2013	7,301.20	17,500.00	41.72%	5.39%	10.42%
NU	2014	7,600.00	18,425.00	41.25%	5.29%	-1.13%
NU	2015	7,800.00	19,475.00	40.05%	5.70%	-2.90%
NU	2017-2019	8,550.00	22,600.00	37.83%	16.05%	-5.54%
NWE	2002	NA	NA			
NWE	2003	NA	NA			
NWE	2004	$ 1,039.00	$ 1,379.10	75.34%		
NWE	2005	1,165.80	1,409.20	82.73%	2.18%	9.81%
NWE	2006	1,132.70	1,491.90	75.92%	5.87%	-8.23%
NWE	2007	1,200.10	1,770.90	67.77%	18.70%	-10.74%
NWE	2008	1,260.80	1,839.70	68.53%	3.89%	1.13%
NWE	2009	1,141.90	1,964.10	58.14%	6.76%	-15.17%
NWE	2010	1,110.70	2,118.00	52.44%	7.84%	-9.80%
NWE	2011	1,117.30	2,213.30	50.48%	4.50%	-3.74%
NWE	2012	1,070.30	2,435.60	43.94%	10.04%	-12.95%
NWE	2013	1,125.00	2,580.00	43.60%	5.93%	-0.77%
NWE	2014	1,200.00	2,710.00	44.28%	5.04%	1.55%
NWE	2016-2018	1,350.00	2,950.00	45.76%	8.86%	3.35%
OGE	2002	$ 3,023.90	$ 3,204.30	94.37%		
OGE	2003	3,779.00	3,309.50	114.19%	3.28%	21.00%
OGE	2004	4,926.60	3,581.00	137.58%	8.20%	20.48%
OGE	2005	5,948.20	3,567.40	166.74%	-0.38%	21.20%
OGE	2006	4,005.60	3,867.50	103.57%	8.41%	-37.88%
OGE	2007	3,797.60	4,246.30	89.43%	9.79%	-13.65%
OGE	2008	4,070.70	5,249.80	77.54%	23.63%	-13.30%
OGE	2009	2,869.70	5,911.60	48.54%	12.61%	-37.40%
OGE	2010	3,716.90	6,464.40	57.50%	9.35%	18.45%
OGE	2011	3,915.90	7,474.00	52.39%	15.62%	-8.88%
OGE	2012	3,617.20	8,344.80	43.35%	11.65%	-17.27%
OGE	2013	2,867.70	6,672.80	42.98%	-20.04%	-0.86%
OGE	2014	2,450.00	7,030.00	34.85%	5.35%	-18.91%
OGE	2015	2,550.00	7,160.00	35.61%	1.85%	2.19%
OGE	2017-2019	2,950.00	7,400.00	39.86%	3.35%	11.93%
OTTR	2002	$ 710.10	$ 587.90	120.79%		
OTTR	2003	753.20	633.30	118.93%	7.72%	-1.53%
OTTR	2004	882.30	682.10	129.35%	7.71%	8.76%
OTTR	2005	1,046.40	697.10	150.11%	2.20%	16.05%
OTTR	2006	1,105.00	718.60	153.77%	3.08%	2.44%
OTTR	2007	1,238.90	854.00	145.07%	18.84%	-5.66%
OTTR	2008	1,311.20	1,037.60	126.37%	21.50%	-12.89%
OTTR	2009	1,039.50	1,098.60	94.62%	5.88%	-25.12%
OTTR	2010	1,119.10	1,108.70	100.94%	0.92%	6.68%
OTTR	2011	1,077.90	1,077.50	100.04%	-2.81%	-0.89%
OTTR	2012	859.20	1,049.50	81.87%	-2.60%	-18.16%
OTTR	2013	893.30	1,167.00	76.55%	11.20%	-6.50%
OTTR	2014	930.00	1,225.00	75.92%	4.97%	-0.82%
OTTR	2015	970.00	1,300.00	74.62%	6.12%	-1.72%
OTTR	2017-2019	1,325.00	1,525.00	86.89%	17.31%	16.44%
POM	2002	$ 6,777.30	$ 6,798.00	99.70%		
POM	2003	7,271.30	6,964.90	104.40%	2.46%	4.72%
POM	2004	7,221.80	7,088.00	101.89%	1.77%	-2.41%
POM	2005	8,065.50	7,312.00	110.30%	3.16%	8.26%
POM	2006	8,362.90	7,576.60	110.38%	3.62%	0.07%
POM	2007	9,366.40	7,876.70	118.91%	3.96%	7.73%

Change in Net Plant and Asset Turnover
Value Line Universe - Individual Company Results

Ticker	Year	Revenue	Net Plant	Revenue/Net Plant	Change in Net Plant	Change in Revenue/Net Plant
POM	2008	10,700.00	8,314.00	128.70%	5.55%	8.23%
POM	2009	9,259.00	8,863.00	104.47%	6.60%	-18.83%
POM	2010	7,039.00	7,673.00	91.74%	-13.43%	-12.19%
POM	2011	5,920.00	8,220.00	72.02%	7.13%	-21.49%
POM	2012	5,081.00	8,846.00	57.44%	7.62%	-20.25%
POM	2013	4,800.00	9,600.00	50.00%	8.52%	-12.95%
POM	2014	5,000.00	10,000.00	50.00%	4.17%	0.00%
POM	2015	5,400.00	10,500.00	51.43%	5.00%	2.86%
POM	2017-2019	6,600.00	12,000.00	55.00%	14.29%	6.94%
PCG	2002	$ 12,495.00	$ 16,928.00	73.81%		
PCG	2003	10,435.00	18,107.00	57.63%	6.96%	-21.92%
PCG	2004	11,080.00	18,989.00	58.35%	4.87%	1.25%
PCG	2005	11,703.00	19,955.00	58.65%	5.09%	0.51%
PCG	2006	12,539.00	21,785.00	57.56%	9.17%	-1.86%
PCG	2007	13,237.00	23,656.00	55.96%	8.59%	-2.78%
PCG	2008	14,628.00	26,261.00	55.70%	11.01%	-0.45%
PCG	2009	13,399.00	28,892.00	46.38%	10.02%	-16.74%
PCG	2010	13,841.00	31,449.00	44.01%	8.85%	-5.10%
PCG	2011	14,956.00	33,655.00	44.44%	7.01%	0.97%
PCG	2012	15,040.00	37,523.00	40.08%	11.49%	-9.80%
PCG	2013	15,600.00	40,275.00	38.73%	7.33%	-3.36%
PCG	2014	16,250.00	43,050.00	37.75%	6.89%	-2.55%
PCG	2016-2018	19,000.00	51,100.00	37.18%	18.70%	-1.50%
PNW	2002	$ 2,637.30	$ 6,479.40	40.70%		
PNW	2003	2,817.90	7,480.10	37.67%	15.44%	-7.45%
PNW	2004	2,899.70	7,535.50	38.48%	0.74%	2.15%
PNW	2005	2,988.00	7,577.10	39.43%	0.55%	2.48%
PNW	2006	3,401.70	7,881.90	43.16%	4.02%	9.44%
PNW	2007	3,523.60	8,436.40	41.77%	7.04%	-3.22%
PNW	2008	3,367.10	8,916.70	37.76%	5.69%	-9.59%
PNW	2009	3,297.10	9,257.80	35.61%	3.83%	-5.69%
PNW	2010	3,263.60	9,578.80	34.07%	3.47%	-4.33%
PNW	2011	3,241.40	9,962.30	32.54%	4.00%	-4.50%
PNW	2012	3,301.80	10,396.00	31.76%	4.35%	-2.39%
PNW	2013	3,475.00	11,215.00	30.99%	7.88%	-2.44%
PNW	2014	3,600.00	11,780.00	30.56%	5.04%	-1.37%
PNW	2016-2018	4,000.00	13,400.00	29.85%	13.75%	-2.32%
PNM	2002	$ 1,169.00	$ 1,867.30	62.60%		
PNM	2003	1,455.70	2,194.40	66.34%	17.52%	5.96%
PNM	2004	1,604.80	2,324.60	69.04%	5.93%	4.07%
PNM	2005	2,076.80	2,984.10	69.60%	28.37%	0.81%
PNM	2006	2,471.70	3,761.90	65.70%	26.06%	-5.59%
PNM	2007	1,914.00	2,935.40	65.20%	-21.97%	-0.76%
PNM	2008	1,959.50	3,192.00	61.39%	8.74%	-5.85%
PNM	2009	1,647.70	3,332.40	49.44%	4.40%	-19.45%
PNM	2010	1,673.50	3,444.40	48.59%	3.36%	-1.74%
PNM	2011	1,700.60	3,627.10	46.89%	5.30%	-3.50%
PNM	2012	1,342.40	3,746.50	35.83%	3.29%	-23.58%
PNM	2013	1,390.00	3,850.00	36.10%	2.76%	0.76%
PNM	2014	1,430.00	3,965.00	36.07%	2.99%	-0.11%
PNM	2016-2018	1,655.00	4,325.00	38.27%	9.08%	6.10%
POR	2002	NA	NA			
POR	2003	NA	NA			
POR	2004	1,454.00	2,275.00	63.91%		
POR	2005	1,446.00	2,436.00	59.36%	7.08%	-7.12%
POR	2006	1,520.00	2,718.00	55.92%	11.58%	-5.79%
POR	2007	1,743.00	3,066.00	56.85%	12.80%	1.66%
POR	2008	1,745.00	3,301.00	52.86%	7.66%	-7.01%
POR	2009	1,804.00	3,858.00	46.76%	16.87%	-11.54%
POR	2010	1,783.00	4,133.00	43.14%	7.13%	-7.74%
POR	2011	1,813.00	4,285.00	42.31%	3.68%	-1.92%
POR	2012	1,805.00	4,392.00	41.10%	2.50%	-2.87%
POR	2013	1,775.00	4,890.00	36.30%	11.34%	-11.68%
POR	2014	1,875.00	5,705.00	32.87%	16.67%	-9.46%
POR	2016-2018	2,200.00	5,825.00	37.77%	2.10%	14.92%
PPL	2002	$ 5,429.00	$ 9,566.00	56.75%		
PPL	2003	5,587.00	10,446.00	53.48%	9.20%	-5.76%
PPL	2004	5,812.00	11,209.00	51.85%	7.30%	-3.05%

Change in Net Plant and Asset Turnover
Value Line Universe - Individual Company Results

Ticker	Year	Revenue	Net Plant	Revenue/Net Plant	Change in Net Plant	Change in Revenue/Net Plant
PPL	2005	6,219.00	10,916.00	56.97%	-2.61%	9.87%
PPL	2006	6,899.00	12,069.00	57.16%	10.56%	0.34%
PPL	2007	6,498.00	12,605.00	51.55%	4.44%	-9.82%
PPL	2008	8,044.00	12,416.00	64.79%	-1.50%	25.68%
PPL	2009	7,556.00	13,174.00	57.36%	6.11%	-11.47%
PPL	2010	8,521.00	20,858.00	40.85%	58.33%	-28.77%
PPL	2011	12,737.00	27,266.00	46.71%	30.72%	14.35%
PPL	2012	12,286.00	30,032.00	40.91%	10.14%	-12.42%
PPL	2013	11,860.00	33,087.00	35.84%	10.17%	-12.38%
PPL	2014	12,250.00	35,650.00	34.36%	7.75%	-4.14%
PPL	2015	12,600.00	37,825.00	33.31%	6.10%	-3.06%
PPL	2017-2019	13,750.00	43,600.00	31.54%	15.27%	-5.33%
PEG	2002	$ 8,390.00	$ 11,449.00	73.28%		
PEG	2003	11,116.00	12,422.00	89.49%	8.50%	22.11%
PEG	2004	10,996.00	13,750.00	79.97%	10.69%	-10.63%
PEG	2005	12,430.00	13,336.00	93.21%	-3.01%	16.55%
PEG	2006	12,164.00	13,002.00	93.55%	-2.50%	0.37%
PEG	2007	12,853.00	13,275.00	96.82%	2.10%	3.49%
PEG	2008	14,139.00	14,433.00	97.96%	8.72%	1.18%
PEG	2009	12,431.00	15,440.00	80.51%	6.98%	-17.81%
PEG	2010	11,793.00	16,390.00	71.95%	6.15%	-10.63%
PEG	2011	11,343.00	17,849.00	63.55%	8.90%	-11.68%
PEG	2012	9,781.00	19,736.00	49.56%	10.57%	-22.02%
PEG	2013	10,100.00	20,825.00	48.50%	5.52%	-2.14%
PEG	2014	10,200.00	22,025.00	46.31%	5.76%	-4.51%
PEG	2015	10,000.00	22,775.00	43.91%	3.41%	-5.19%
PEG	2017-2019	10,700.00	25,600.00	41.80%	12.40%	-4.81%
SCG	2002	$ 2,954.00	$ 5,474.00	53.96%		
SCG	2003	3,416.00	6,417.00	53.23%	17.23%	-1.35%
SCG	2004	3,885.00	6,762.00	57.45%	5.38%	7.93%
SCG	2005	4,777.00	6,734.00	70.94%	-0.41%	23.47%
SCG	2006	4,563.00	7,007.00	65.12%	4.05%	-8.20%
SCG	2007	4,621.00	7,538.00	61.30%	7.58%	-5.86%
SCG	2008	5,319.00	8,305.00	64.05%	10.18%	4.47%
SCG	2009	4,237.00	9,009.00	47.03%	8.48%	-26.57%
SCG	2010	4,601.00	9,662.00	47.62%	7.25%	1.25%
SCG	2011	4,409.00	10,047.00	43.88%	3.98%	-7.85%
SCG	2012	4,176.00	10,896.00	38.33%	8.45%	-12.66%
SCG	2013	4,500.00	11,875.00	37.89%	8.98%	-1.13%
SCG	2014	4,700.00	13,030.00	36.07%	9.73%	-4.81%
SCG	2015	4,850.00	14,080.00	34.45%	8.06%	-4.50%
SCG	2017-2019	5,600.00	17,375.00	32.23%	23.40%	-6.43%
SRE	2002	$ 6,020.00	$ 6,832.00	88.11%		
SRE	2003	7,887.00	10,474.00	75.30%	53.31%	-14.54%
SRE	2004	9,410.00	11,086.00	84.88%	5.84%	12.72%
SRE	2005	11,737.00	12,101.00	96.99%	9.16%	14.27%
SRE	2006	11,761.00	13,175.00	89.27%	8.88%	-7.96%
SRE	2007	11,438.00	14,884.00	76.85%	12.97%	-13.91%
SRE	2008	10,758.00	16,865.00	63.79%	13.31%	-16.99%
SRE	2009	8,106.00	18,281.00	44.34%	8.40%	-30.49%
SRE	2010	9,003.00	19,876.00	45.30%	8.72%	2.15%
SRE	2011	10,036.00	23,572.00	42.58%	18.60%	-6.00%
SRE	2012	9,647.00	25,191.00	38.30%	6.87%	-10.05%
SRE	2013	10,500.00	27,300.00	38.46%	8.37%	0.43%
SRE	2014	10,750.00	29,250.00	36.75%	7.14%	-4.44%
SRE	2016-2018	12,300.00	33,400.00	36.83%	14.19%	0.20%
SO	2002	$ 10,549.00	$ 24,642.00	42.81%		
SO	2003	11,251.00	27,534.00	40.86%	11.74%	-4.55%
SO	2004	11,902.00	28,361.00	41.97%	3.00%	2.70%
SO	2005	13,554.00	29,480.00	45.98%	3.95%	9.56%
SO	2006	14,356.00	31,092.00	46.17%	5.47%	0.43%
SO	2007	15,353.00	33,327.00	46.07%	7.19%	-0.23%
SO	2008	17,127.00	35,878.00	47.74%	7.65%	3.62%
SO	2009	15,743.00	39,230.00	40.13%	9.34%	-15.93%
SO	2010	17,456.00	42,002.00	41.56%	7.07%	3.56%
SO	2011	17,657.00	45,010.00	39.23%	7.16%	-5.61%
SO	2012	16,537.00	48,390.00	34.17%	7.51%	-12.88%
SO	2013	17,087.00	51,900.00	32.92%	7.25%	-3.66%

Change in Net Plant and Asset Turnover
Value Line Universe - Individual Company Results

Ticker	Year	Revenue	Net Plant	Revenue/Net Plant	Change in Net Plant	Change in Revenue/Net Plant
SO	2014	18,000.00	55,600.00	32.37%	7.13%	-1.67%
SO	2015	18,700.00	58,475.00	31.98%	5.17%	-1.22%
SO	2017-2019	21,250.00	67,100.00	31.67%	14.75%	-0.97%
TE	2002	$ 2,675.80	$ 5,464.00	48.97%		
TE	2003	2,740.00	5,679.00	48.25%	3.93%	-1.48%
TE	2004	2,669.10	4,657.90	57.30%	-17.98%	18.77%
TE	2005	3,010.10	4,566.90	65.91%	-1.95%	15.02%
TE	2006	3,448.10	4,766.90	72.33%	4.38%	9.74%
TE	2007	3,536.10	4,888.20	72.34%	2.54%	0.01%
TE	2008	3,375.30	5,221.30	64.64%	6.81%	-10.64%
TE	2009	3,310.50	5,544.10	59.71%	6.18%	-7.63%
TE	2010	3,487.90	5,841.00	59.71%	5.36%	0.00%
TE	2011	3,343.40	5,967.80	56.02%	2.17%	-6.18%
TE	2012	2,996.60	5,990.10	50.03%	0.37%	-10.71%
TE	2013	2,851.30	6,170.10	46.21%	3.00%	-7.62%
TE	2014	3,000.00	6,615.00	45.35%	7.21%	-1.86%
TE	2015	3,100.00	6,900.00	44.93%	4.31%	-0.93%
TE	2017-2019	3,600.00	7,325.00	49.15%	6.16%	9.39%
UIL	2002	$ 1,131.00	$ 517.10	218.72%		
UIL	2003	963.70	548.80	175.60%	6.13%	-19.71%
UIL	2004	1,101.30	563.90	195.30%	2.75%	11.22%
UIL	2005	1,213.10	592.10	204.88%	5.00%	4.91%
UIL	2006	846.00	647.00	130.76%	9.27%	-36.18%
UIL	2007	982.00	878.40	111.79%	35.77%	-14.50%
UIL	2008	948.70	1,073.60	88.37%	22.22%	-20.96%
UIL	2009	896.60	1,153.00	77.76%	7.40%	-12.00%
UIL	2010	997.70	2,327.50	42.87%	101.86%	-44.88%
UIL	2011	1,570.40	2,570.40	61.10%	10.44%	42.53%
UIL	2012	1,486.50	2,787.40	53.33%	8.44%	-12.71%
UIL	2013	1,580.00	3,000.00	52.67%	7.63%	-1.24%
UIL	2014	1,630.00	3,150.00	51.75%	5.00%	-1.75%
UIL	2015	1,700.00	3,350.00	50.75%	6.35%	-1.93%
UIL	2017-2019	1,850.00	3,650.00	50.68%	8.96%	-0.12%
UNS	2002	$ 856.20	$ 1,668.40	51.32%		
UNS	2003	969.90	2,069.20	46.87%	24.02%	-8.66%
UNS	2004	1,169.00	2,081.10	56.17%	0.58%	19.84%
UNS	2005	1,229.50	2,171.50	56.62%	4.34%	0.80%
UNS	2006	1,316.90	2,259.60	58.28%	4.06%	2.93%
UNS	2007	1,381.40	2,407.30	57.38%	6.54%	-1.54%
UNS	2008	1,397.50	2,617.70	53.39%	8.74%	-6.97%
UNS	2009	1,394.40	2,785.70	50.06%	6.42%	-6.24%
UNS	2010	1,453.70	2,961.50	49.09%	6.31%	-1.94%
UNS	2011	1,509.50	3,182.30	47.43%	7.46%	-3.37%
UNS	2012	1,461.80	3,300.40	44.29%	3.71%	-6.63%
UNS	2013	1,510.00	3,450.00	43.77%	4.53%	-1.18%
UNS	2014	1,580.00	3,625.00	43.59%	5.07%	-0.42%
UNS	2016-2018	1,750.00	4,200.00	41.67%	15.86%	-4.40%
VVC	2002	$ 1,804.30	$ 1,648.10	109.48%		
VVC	2003	1,587.60	2,003.70	79.23%	21.58%	-27.63%
VVC	2004	1,689.80	2,156.20	78.37%	7.61%	-1.09%
VVC	2005	2,028.00	2,251.90	90.06%	4.44%	14.91%
VVC	2006	2,041.60	2,385.50	85.58%	5.93%	-4.97%
VVC	2007	2,281.90	2,539.70	89.85%	6.46%	4.98%
VVC	2008	2,484.70	2,720.30	91.34%	7.11%	1.66%
VVC	2009	2,088.90	2,878.80	72.56%	5.83%	-20.56%
VVC	2010	2,129.50	2,955.40	72.05%	2.66%	-0.70%
VVC	2011	2,325.20	3,032.60	76.67%	2.61%	6.41%
VVC	2012	2,232.80	3,119.60	71.57%	2.87%	-6.65%
VVC	2013	2,491.20	3,224.30	77.26%	3.36%	7.95%
VVC	2014	2,600.00	3,280.00	79.27%	1.73%	2.60%
VVC	2015	2,700.00	3,350.00	80.60%	2.13%	1.68%
VVC	2017-2019	3,250.00	3,600.00	90.28%	7.46%	12.01%
WR	2002	$ 1,771.10	$ 3,995.40	44.33%		
WR	2003	1,461.10	3,909.50	37.37%	-2.15%	-15.69%
WR	2004	1,464.50	3,911.00	37.45%	0.04%	0.19%
WR	2005	1,583.30	3,947.70	40.11%	0.94%	7.11%
WR	2006	1,605.70	4,071.60	39.44%	3.14%	-1.67%
WR	2007	1,726.80	4,803.70	35.95%	17.98%	-8.85%

Change in Net Plant and Asset Turnover
Value Line Universe - Individual Company Results

Ticker	Year	Revenue	Net Plant	Revenue/Net Plant	Change in Net Plant	Change in Revenue/Net Plant
WR	2008	1,839.00	5,533.50	33.23%	15.19%	-7.55%
WR	2009	1,858.20	5,771.70	32.20%	4.30%	-3.13%
WR	2010	2,056.20	6,309.50	32.59%	9.32%	1.22%
WR	2011	2,171.00	6,745.40	32.18%	6.91%	-1.24%
WR	2012	2,261.50	7,335.70	30.83%	8.75%	-4.21%
WR	2013	2,370.60	7,848.50	30.20%	6.99%	-2.02%
WR	2014	2,450.00	7,900.00	31.01%	0.66%	2.68%
WR	2015	2,560.00	8,200.00	31.22%	3.80%	0.67%
WR	2017-2019	2,800.00	9,200.00	30.43%	12.20%	-2.51%
WEC	2002	$ 3,736.20	$ 4,398.80	84.94%		
WEC	2003	4,054.30	5,926.10	68.41%	34.72%	-19.45%
WEC	2004	3,431.10	5,903.10	58.12%	-0.39%	-15.04%
WEC	2005	3,815.50	6,362.90	59.96%	7.79%	3.17%
WEC	2006	3,996.40	7,052.50	56.67%	10.84%	-5.50%
WEC	2007	4,237.80	7,681.20	55.17%	8.91%	-2.64%
WEC	2008	4,431.00	8,517.00	52.03%	10.88%	-5.70%
WEC	2009	4,127.90	9,070.50	45.51%	6.50%	-12.53%
WEC	2010	4,202.50	9,601.50	43.77%	5.85%	-3.82%
WEC	2011	4,486.40	10,160.00	44.16%	5.82%	0.89%
WEC	2012	4,246.40	10,572.00	40.17%	4.06%	-9.04%
WEC	2013	4,519.00	10,907.00	41.43%	3.17%	3.15%
WEC	2014	4,700.00	11,225.00	41.87%	2.92%	1.06%
WEC	2015	4,900.00	11,600.00	42.24%	3.34%	0.88%
WEC	2017-2019	5,500.00	12,400.00	44.35%	6.90%	5.00%
XEL	2002	$ 9,524.40	$ 18,816.00	50.62%		
XEL	2003	7,937.50	13,667.00	58.08%	-27.37%	14.74%
XEL	2004	8,345.30	14,096.00	59.20%	3.14%	1.94%
XEL	2005	9,625.50	14,696.00	65.50%	4.26%	10.63%
XEL	2006	9,840.30	15,549.00	63.29%	5.80%	-3.38%
XEL	2007	10,034.00	16,676.00	60.17%	7.25%	-4.92%
XEL	2008	11,203.00	17,689.00	63.33%	6.07%	5.26%
XEL	2009	9,644.30	18,508.00	52.11%	4.63%	-17.72%
XEL	2010	10,311.00	20,663.00	49.90%	11.64%	-4.24%
XEL	2011	10,655.00	22,353.00	47.67%	8.18%	-4.48%
XEL	2012	10,128.00	23,809.00	42.54%	6.51%	-10.76%
XEL	2013	10,900.00	25,875.00	42.13%	8.68%	-0.97%
XEL	2014	11,350.00	27,575.00	41.16%	6.57%	-2.29%
XEL	2017-2019	13,100.00	32,100.00	40.81%	16.41%	-0.85%

Source: Value Line

Change in Net Plant and Asset Turnover
Regression Analysis

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.410953
R Square	0.168882
Adjusted R Square	0.167563
Standard Error	0.132712
Observations	632

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	2.254671	2.254671	128.015417	0.000000
Residual	630	11.095874	0.017612		
Total	631	13.350545			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	0.021184	0.006574	3.222224	0.001338	0.008274	0.034095
Change in Net Plant	-0.531168	0.046946	-11.314390	0.000000	-0.623357	-0.438978

Combination Proxy Group Capital Structure

Company	Ticker	% Long-Term Debt 2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1	Average
Alliant Energy Corp.	LNT	47.64%	46.44%	47.44%	47.46%	47.91%	46.63%	47.76%	47.95%	47.40%
Black Hills Corp.	BKH	41.81%	42.47%	42.77%	43.27%	43.86%	44.47%	45.00%	42.65%	43 29%
CMS Energy Corp.	CMS	48.65%	48.81%	47 28%	47.31%	48.56%	48.50%	46.55%	47.05%	47 84%
DTE Energy Co.	DTE	49.75%	52.52%	52 30%	52.39%	50.82%	51.69%	53.57%	51.24%	51.79%
SCANA Corp.	SCG	59.28%	59.43%	59 82%	59.24%	59.95%	60.37%	59.83%	60.08%	59.75%
TECO Energy Inc.	TE	44.79%	44.92%	46 01%	46.43%	46.22%	48.64%	49.37%	47.47%	46.73%
Vectren Corporation	VVC	43.67%	43.74%	40 88%	44.72%	45.10%	44.91%	45.78%	45.93%	44 34%
Mean		47.94%	48.33%	48 07%	48.69%	48.92%	49.32%	49.70%	48.91%	48.73%
Median		47.64%	46.44%	47 28%	47.31%	47.91%	48.50%	47.76%	47.47%	47.40%

Operating Company Capital Structure

Operating Company	Parent	% Long-Term Debt 2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
Wisconsin Power and Light Company	LNT	46.63%	46.88%	47 39%	47.48%	47.73%	44.79%	45.28%	45.47%
Interstate Power and Light Company	LNT	48.65%	45.99%	47.49%	47.45%	48.09%	48.48%	50.24%	50.43%
Cheyenne Light, Fuel and Power Company	BKH	39.51%	40.18%	40.66%	41.18%	41.92%	42.67%	43.08%	41.23%
Black Hills Power, Inc.	BKH	44.12%	44.77%	44 87%	45.37%	45.80%	46.28%	46.93%	44.07%
Consumers Energy Company	CMS	48.65%	48.81%	47 28%	47.31%	48.56%	48.50%	46.55%	47.05%
DTE Electric Company	DTE	49.75%	52.52%	52 30%	52.39%	50.82%	51.69%	53.57%	51.24%
South Carolina Electric & Gas Co.	SCG	46.10%	46.32%	46 92%	45.56%	46.39%	47.07%	45.73%	46.08%
South Carolina Generating Company, Inc.	SCG	72.46%	72.53%	72.72%	72.92%	73.50%	73.67%	73.92%	74.08%
Tampa Electric Company	TE	44.79%	44.92%	46 01%	46.43%	46.22%	48.64%	49.37%	47.47%
Southern Indiana Gas and Electric Company, Inc.	VVC	43.67%	43.74%	40 88%	44.72%	45.10%	44.91%	45.78%	45.93%

Source: SNL Financial

Combination Proxy Group Capital Structure

Company	Ticker	% Common Equity 2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1	Average
Alliant Energy Corp.	LNT	52.36%	53.56%	52 56%	52.54%	52.09%	53.37%	52.24%	52.05%	52.60%
Black Hills Corp.	BKH	58.19%	57.53%	57 23%	56.73%	56.14%	55.53%	55.00%	57.35%	56.71%
CMS Energy Corp.	CMS	51.35%	51.19%	52.72%	52.69%	51.44%	51.50%	53.45%	52.95%	52.16%
DTE Energy Co.	DTE	50.25%	47.48%	47.70%	47.61%	49.18%	48.31%	46.43%	48.76%	48 21%
SCANA Corp.	SCG	40.72%	40.57%	40.18%	40.76%	40.05%	39.63%	40.17%	39.92%	40 25%
TECO Energy Inc.	TE	55.21%	55.08%	53 99%	53.57%	53.78%	51.36%	50.63%	52.53%	53 27%
Vectren Corporation	VVC	56.33%	56.26%	59.12%	55.28%	54.90%	55.09%	54.22%	54.07%	55.66%
Mean		52.06%	51.67%	51 93%	51.31%	51.08%	50.68%	50.30%	51.09%	51 27%
Median		52.36%	53.56%	52.72%	52.69%	52.09%	51.50%	52.24%	52.53%	52.60%

Operating Company Capital Structure

Operating Company	Parent	% Common Equity 2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
Wisconsin Power and Light Company	LNT	53.37%	53.12%	52.61%	52.52%	52.27%	55.21%	54.72%	54.53%
Interstate Power and Light Company	LNT	51.35%	54.01%	52 51%	52.55%	51.91%	51.52%	49.76%	49.57%
Cheyenne Light, Fuel and Power Company	BKH	60.49%	59.82%	59 34%	58.82%	58.08%	57.33%	56.92%	58.77%
Black Hills Power, Inc.	BKH	55.88%	55.23%	55.13%	54.63%	54.20%	53.72%	53.07%	55.93%
Consumers Energy Company	CMS	51.35%	51.19%	52.72%	52.69%	51.44%	51.50%	53.45%	52.95%
DTE Electric Company	DTE	50.25%	47.48%	47.70%	47.61%	49.18%	48.31%	46.43%	48.76%
South Carolina Electric & Gas Co.	SCG	53.90%	53.68%	53 08%	54.44%	53.61%	52.93%	54.27%	53.92%
South Carolina Generating Company, Inc.	SCG	27.54%	27.47%	27 28%	27.08%	26.50%	26.33%	26.08%	25.92%
Tampa Electric Company	TE	55.21%	55.08%	53 99%	53.57%	53.78%	51.36%	50.63%	52.53%
Southern Indiana Gas and Electric Company, Inc.	VVC	56.33%	56.26%	59.12%	55.28%	54.90%	55.09%	54.22%	54.07%

Source: SNL Financial

Electric Proxy Group Capital Structure

Company	Ticker	% Long-Term Debt 2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1	Average
American Electric Power Company, Inc.	AEP	47.64%	46.49%	46 39%	46.29%	46.85%	47.17%	47.82%	48.54%	47.15%
Cleco Corp.	CNL	48.88%	48.56%	48 86%	49.10%	49.71%	50.23%	49.62%	51.62%	49 57%
Duke Energy Corporation	DUK	43.91%	44.17%	43 59%	44.05%	44.57%	44.31%	45.49%	44.83%	44 36%
Empire District Electric	EDE	47.70%	47.63%	48.48%	46.64%	46.85%	46.89%	47.50%	47.09%	47 35%
Great Plains Energy Inc.	GXP	47.51%	47.49%	47 06%	46.65%	44.88%	44.67%	50.51%	48.14%	47.11%
Hawaiian Electric Industries, Inc.	HE	43.09%	43.32%	43.61%	43.74%	43.81%	44.30%	44.64%	41.42%	43.49%
IDACORP, Inc.	IDA	48.39%	49.49%	50 26%	48.34%	48.61%	48.47%	49.63%	49.09%	49 03%
NextEra Energy, Inc.	NEE	39.06%	40.04%	39.46%	38.73%	39.81%	39.93%	40.80%	40.10%	39.74%
Otter Tail Corporation	OTTR	46.28%	47.63%	47.65%	47.31%	48.02%	49.65%	49.77%	49.52%	48 23%
Pinnacle West Capital Corp.	PNW	42.61%	42.38%	44 06%	44.16%	43.54%	43.70%	45.40%	45.64%	43 94%
PNM Resources, Inc.	PNM	51.61%	50.21%	49 93%	48.90%	49.22%	48.92%	49.60%	49.57%	49.74%
Portland General Electric Company	POR	51.30%	49.57%	49.63%	48.22%	48.63%	50.26%	50.53%	50.63%	49 85%
Southern Company	SO	49.88%	51.76%	53.75%	53.41%	51.75%	51.99%	52.78%	53.52%	52 36%
Westar Energy, Inc.	WR	36.78%	38.72%	38.13%	39.68%	38.29%	39.70%	40.62%	39.95%	38 98%
Mean		46.05%	46.25%	46.49%	46.09%	46.04%	46.44%	47.48%	47.12%	46.49%
Median		47.57%	47.56%	47 35%	46.65%	46.85%	47.03%	48.71%	48.34%	47 25%

Operating Company Capital Structure

Operating Company	Parent	% Long-Term Debt 2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
Appalachian Power Company	AEP	56.48%	52.61%	54.71%	54.63%	54.81%	55.18%	55.27%	55.38%
AEP Texas Central Company	AEP	53.25%	53.38%	52.11%	48.74%	49.44%	49.95%	51.09%	54.22%
Indiana Michigan Power Company	AEP	49.20%	51.73%	52 23%	53.12%	50.41%	50.39%	50.58%	50.45%
Kentucky Power Company	AEP	47.17%	53.98%	52 82%	52.83%	53.38%	53.54%	53.88%	54.24%
Ohio Power Company	AEP	60.29%	42.99%	43 94%	43.91%	46.23%	45.62%	46.06%	46.51%
Public Service Company of Oklahoma	AEP	51.49%	49.54%	50 51%	50.91%	50.90%	50.31%	51.07%	51.60%
Southwestern Electric Power Company	AEP	48.79%	49.78%	49.48%	49.46%	49.20%	49.58%	50.73%	51.45%
AEP Texas North Company	AEP	53.32%	53.97%	49.66%	50.11%	52.41%	52.45%	52.76%	52.71%
Kingsport Power Company	AEP	39.15%	39.27%	39.67%	39.16%	40.04%	40.08%	40.06%	39.65%
Wheeling Power Company	AEP	17.21%	17.68%	18.74%	20.01%	21.72%	24.64%	26.74%	29.22%
Cleco Power LLC	CNL	48.88%	48.56%	48 86%	49.10%	49.71%	50.23%	49.62%	51.62%
Duke Energy Carolinas, LLC	DUK	44.82%	46.20%	46.43%	46.26%	46.87%	47.88%	46.08%	46.62%
Duke Energy Florida, Inc.	DUK	49.53%	49.39%	50.43%	48.94%	51.67%	48.06%	48.72%	48.81%
Duke Energy Indiana, Inc.	DUK	49.15%	49.69%	48 89%	49.43%	50.03%	50.40%	50.28%	50.82%
Duke Energy Kentucky, Inc.	DUK	46.77%	47.44%	45.44%	45.87%	47.10%	47.17%	47.00%	47.54%
Duke Energy Ohio, Inc.	DUK	25.73%	25.75%	20 94%	24.05%	23.98%	24.14%	29.29%	29.48%
Duke Energy Progress, Inc.	DUK	47.46%	46.57%	49 38%	49.75%	47.75%	48.19%	51.58%	45.72%
Empire District Electric Company	EDE	47.70%	47.63%	48.48%	46.64%	46.85%	46.89%	47.50%	47.09%
KCP&L Greater Missouri Operations Company	GXP	43.48%	43.54%	41 82%	41.98%	42.13%	41.91%	52.74%	47.76%
Kansas City Power & Light Company	GXP	51.54%	51.43%	52 30%	51.32%	47.63%	47.44%	48.27%	48.52%
Hawaiian Electric Company, Inc.	HE	43.09%	43.32%	43.61%	43.74%	43.81%	44.30%	44.64%	41.42%
Idaho Power Co.	IDA	48.39%	49.49%	50 26%	48.34%	48.61%	48.47%	49.63%	49.09%
Florida Power & Light Company	NEE	39.06%	40.04%	39.46%	38.73%	39.81%	39.93%	40.80%	40.10%
Otter Tail Power Company	OTTR	46.28%	47.63%	47.65%	47.31%	48.02%	49.65%	49.77%	49.52%
Arizona Public Service Company	PNW	42.61%	42.38%	44 06%	44.16%	43.54%	43.70%	45.40%	45.64%
Public Service Company of New Mexico	PNM	51.61%	50.21%	49 93%	48.90%	49.22%	48.92%	49.60%	49.57%
Portland General Electric Company	POR	51.30%	49.57%	49.63%	48.22%	48.63%	50.26%	50.53%	50.63%
Georgia Power Company	SO	47.27%	49.01%	50.79%	51.02%	50.94%	50.39%	52.10%	49.83%
Alabama Power Company	SO	53.13%	52.48%	53 09%	53.33%	53.41%	52.48%	53.19%	54.43%
Gulf Power Company	SO	50.03%	50.25%	52 32%	50.67%	51.38%	51.27%	51.69%	51.65%
Mississippi Power Company	SO	49.10%	55.29%	58 80%	58.64%	51.29%	53.83%	54.12%	58.18%
Kansas Gas and Electric Company	WR	30.46%	34.09%	34 92%	37.78%	37.98%	40.73%	41.70%	42.15%
Westar Energy (KPL)	WR	43.10%	43.34%	41 34%	41.59%	38.60%	38.68%	39.54%	37.74%

Source: SNL Financial

Electric Proxy Group Capital Structure

Company	Ticker	% Common Equity 2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1	Average
American Electric Power Company, Inc.	AEP	52.36%	53.51%	53.61%	53.71%	53.15%	52.83%	52.18%	51.46%	52.85%
Cleco Corp.	CNL	51.12%	51.44%	51.14%	50.90%	50.29%	49.77%	50.38%	48.38%	50.43%
Duke Energy Corporation	DUK	56.09%	55.83%	56.41%	55.95%	55.43%	55.69%	54.51%	55.17%	55.64%
Empire District Electric	EDE	52.30%	52.37%	51.52%	53.36%	53.15%	53.11%	52.50%	52.91%	52.65%
Great Plains Energy Inc.	GXP	52.49%	52.51%	52.94%	53.35%	55.12%	55.33%	49.49%	51.86%	52.89%
Hawaiian Electric Industries, Inc.	HE	56.91%	56.68%	56.39%	56.26%	56.19%	55.70%	55.36%	58.58%	56.51%
IDACORP, Inc.	IDA	51.61%	50.51%	49.74%	51.66%	51.39%	51.53%	50.37%	50.91%	50.97%
NextEra Energy, Inc.	NEE	60.94%	59.96%	60.54%	61.27%	60.19%	60.07%	59.20%	59.90%	60.26%
Otter Tail Corporation	OTTR	53.72%	52.37%	52.35%	52.69%	51.98%	50.35%	50.23%	50.48%	51.77%
Pinnacle West Capital Corp.	PNW	57.39%	57.62%	55.94%	55.84%	56.46%	56.30%	54.60%	54.36%	56.06%
PNM Resources, Inc.	PNM	48.39%	49.79%	50.07%	51.10%	50.78%	51.08%	50.40%	50.43%	50.26%
Portland General Electric Company	POR	48.70%	50.43%	50.37%	51.78%	51.37%	49.74%	49.47%	49.37%	50.15%
Southern Company	SO	50.12%	48.24%	46.25%	46.59%	48.25%	48.01%	47.22%	46.48%	47.64%
Westar Energy, Inc.	WR	63.22%	61.28%	61.87%	60.32%	61.71%	60.30%	59.38%	60.05%	61.02%
Mean		53.95%	53.75%	53.51%	53.91%	53.96%	53.56%	52.52%	52.88%	53.51%
Median		52.43%	52.44%	52.65%	53.35%	53.15%	52.97%	51.29%	51.66%	52.75%

Operating Company Capital Structure

Operating Company	Parent	% Common Equity 2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
Appalachian Power Company	AEP	43.52%	47.39%	45.29%	45.37%	45.19%	44.82%	44.73%	44.62%
AEP Texas Central Company	AEP	46.75%	46.62%	47.89%	51.26%	50.56%	50.05%	48.91%	45.78%
Indiana Michigan Power Company	AEP	50.80%	48.27%	47.77%	46.88%	49.59%	49.61%	49.42%	49.55%
Kentucky Power Company	AEP	52.83%	46.02%	47.18%	47.17%	46.62%	46.46%	46.12%	45.76%
Ohio Power Company	AEP	39.71%	57.01%	56.06%	56.09%	53.77%	54.38%	53.94%	53.49%
Public Service Company of Oklahoma	AEP	48.51%	50.46%	49.49%	49.09%	49.10%	49.69%	48.93%	48.40%
Southwestern Electric Power Company	AEP	51.21%	50.22%	50.52%	50.54%	50.80%	50.42%	49.27%	48.55%
AEP Texas North Company	AEP	46.68%	46.03%	50.34%	49.89%	47.59%	47.55%	47.24%	47.29%
Kingsport Power Company	AEP	60.85%	60.73%	60.33%	60.84%	59.96%	59.92%	59.94%	60.35%
Wheeling Power Company	AEP	82.79%	82.32%	81.26%	79.99%	78.28%	75.36%	73.26%	70.78%
Cleco Power LLC	CNL	51.12%	51.44%	51.14%	50.90%	50.29%	49.77%	50.38%	48.38%
Duke Energy Carolinas, LLC	DUK	55.18%	53.80%	53.57%	53.74%	53.13%	52.12%	53.92%	53.38%
Duke Energy Florida, Inc.	DUK	50.47%	50.61%	49.57%	51.06%	48.33%	51.94%	51.28%	51.19%
Duke Energy Indiana, Inc.	DUK	50.85%	50.31%	51.11%	50.57%	49.97%	49.60%	49.72%	49.18%
Duke Energy Kentucky, Inc.	DUK	53.23%	52.56%	54.56%	54.13%	52.90%	52.83%	53.00%	52.46%
Duke Energy Ohio, Inc.	DUK	74.27%	74.25%	79.06%	75.95%	76.02%	75.86%	70.71%	70.52%
Duke Energy Progress, Inc.	DUK	52.54%	53.43%	50.62%	50.25%	52.25%	51.81%	48.42%	54.28%
Empire District Electric Company	EDE	52.30%	52.37%	51.52%	53.36%	53.15%	53.11%	52.50%	52.91%
KCP&L Greater Missouri Operations Company	GXP	56.52%	56.46%	58.18%	58.02%	57.87%	58.09%	47.26%	52.24%
Kansas City Power & Light Company	GXP	48.46%	48.57%	47.70%	48.68%	52.37%	52.56%	51.73%	51.48%
Hawaiian Electric Company, Inc.	HE	56.91%	56.68%	56.39%	56.26%	56.19%	55.70%	55.36%	58.58%
Idaho Power Co.	IDA	51.61%	50.51%	49.74%	51.66%	51.39%	51.53%	50.37%	50.91%
Florida Power & Light Company	NEE	60.94%	59.96%	60.54%	61.27%	60.19%	60.07%	59.20%	59.90%
Otter Tail Power Company	OTTR	53.72%	52.37%	52.35%	52.69%	51.98%	50.35%	50.23%	50.48%
Arizona Public Service Company	PNW	57.39%	57.62%	55.94%	55.84%	56.46%	56.30%	54.60%	54.36%
Public Service Company of New Mexico	PNM	48.39%	49.79%	50.07%	51.10%	50.78%	51.08%	50.40%	50.43%
Portland General Electric Company	POR	48.70%	50.43%	50.37%	51.78%	51.37%	49.74%	49.47%	49.37%
Georgia Power Company	SO	52.73%	50.99%	49.21%	48.98%	49.06%	49.61%	47.90%	50.17%
Alabama Power Company	SO	46.87%	47.52%	46.91%	46.67%	46.59%	47.52%	46.81%	45.57%
Gulf Power Company	SO	49.97%	49.75%	47.68%	49.33%	48.62%	48.73%	48.31%	48.35%
Mississippi Power Company	SO	50.90%	44.71%	41.20%	41.36%	48.71%	46.17%	45.88%	41.82%
Kansas Gas and Electric Company	WR	69.54%	65.91%	65.08%	62.22%	62.02%	59.27%	58.30%	57.85%
Westar Energy (KPL)	WR	56.90%	56.66%	58.66%	58.41%	61.40%	61.32%	60.46%	62.26%

Source: SNL Financial