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STATE OF COLORADO
PUBLIC UTILITIES COMMISSION

BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF COLORADO

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IN THE MATTER OF THE APPLICATION OF)
PUBLIC SERVICE COMPANY OF)
COLORADO FOR APPROVAL OF ITS 2016) PROCEEDING NO. 16A-____E
ELECTRIC RESOURCE PLAN)

VERIFIED APPLICATION OF PUBLIC SERVICE COMPANY OF COLORADO
FOR APPROVAL OF ITS 2016 ELECTRIC RESOURCE PLAN

Pursuant to Commission Rule 3603(a), Public Service Company of Colorado ("Public Service" or the "Company") hereby applies for a Commission order approving Public Service's 2016 Electric Resource Plan ("2016 ERP"). Public Service is filing with this Application the three volumes of our 2016 ERP. Volume 1 contains an Executive Summary that outlines the essential elements of our plan. Also accompanying this Application is the direct testimony and attachments of five witnesses in support of our 2016 ERP. The following table identifies these witnesses and select topics covered by each witness:

Witness	Area of Testimony
<p>Alice Jackson</p> <p>Regional Vice President, Rates and Regulatory Affairs</p>	<ul style="list-style-type: none"> • Provides an overview of the 2016 ERP and how the ERP fits into the Company's Our Energy Future initiative. • Discusses previous ERP history and the objectives and drivers for the 2016 ERP. • Addresses the guideposts for the 2016 ERP of meeting electric energy needs of customers in a cost-effective manner, maintaining flexibility to adapt to environmental and regulatory uncertainty, and taking advantage of market and political conditions (e.g., federal tax policy) that are favorable to the Company's customers.
<p>James Hill</p> <p>Director, Resource Planning</p>	<ul style="list-style-type: none"> • Describes the selection of the 8-year Resource Acquisition Period ("RAP") and Planning Period. • Discusses the assessment of need. • Provides an analysis of alternative plans and relevant cost estimates used for the comparative plans.
<p>Kent Scholl</p> <p>Senior Resource Planning Analyst</p>	<ul style="list-style-type: none"> • Discusses the proposed Phase II evaluation process. • Sponsors the RFPs and PPAs in Volume 3 of the 2016 ERP. • Sponsors the sponsors a solar integration cost study and an effective load carrying capability ("ELCC") study of existing and incremental solar generation resources.
<p>Jannell Marks</p> <p>Director, Energy and Demand Forecasting</p>	<ul style="list-style-type: none"> • Presents the demand and sales forecast used in the ERP and describes its underlying methodology.

Witness	Area of Testimony
<p>Connie Paoletti</p> <p>Manager, Regional Transmission Initiatives</p>	<ul style="list-style-type: none"> • Discusses the Company's existing transmission planning activities for facilities 115 kV and above and the system capabilities. • Supports the description in the ERP of all transmission lines and facilities appearing in the most recent report filed with the Commission pursuant to to § 40-2-126, C.R.S. that could reasonably be placed into service during the RAP.

Pursuant to Rule 3603(b), Public Service is concurrently filing a motion for extraordinary protection addressing the Highly Confidential Information that is included in its 2016 ERP as required by Rule 3604(j).

Pursuant to Rule 1003, the Company is also concurrently filing a motion seeking a partial waiver of Rule 3612(a).

Public Service respectfully requests the Commission approve its 2016 Electric Resource Plan. Public Service also requests that the Commission approve the accompanying assumptions and studies incorporated in this 2016 ERP.

ADDITIONAL INFORMATION REQUIRED BY RULE 3002(b)

1. **Name and Address of Applicant.** Public Service is an operating public utility subject to the jurisdiction of this Commission, engaged, inter alia, in the transmission, distribution and purchase of electricity and gas in various areas in the State of Colorado. The name and address of the Applicant is:

Public Service Company of Colorado
1800 Larimer Street, Suite 1400
Denver, Colorado 80202-5533

2. **Name Under Which Applicant Will Provide Service in Colorado.** All

operations conducted by the Company in Colorado are conducted under the name of Public Service Company of Colorado, under the trade name of Xcel Energy.

3. **Representatives to Whom Inquiries Concerning the Application Should**

Be Made. Please send copies of all inquiries, notices, pleadings, correspondence, and other documents regarding this Application to:

Alice K. Jackson,
Regional Vice President, Rates and
Regulatory Affairs
Xcel Energy Services Inc.
1800 Larimer Street, Suite 1400
Denver, CO 80202
Phone: (303) 571-2703
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William M. Dudley, #26735
Assistant General Counsel – Lead
Christopher M. Irby, #35778
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Robin L. Kittel
Director, Regulatory Administration
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Xcel Energy Services Inc.
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Gregory E. Sopkin, #20997
Matthew S. Larson, #41305
Caitlin M. Shields, #41539
Wilkinson Barker Knauer, LLP
1755 Blake Street, Suite 470
Denver, CO 80202
Email: gsopkin@wbklaw.com
mlarson@wbklaw.com
cshields@wbklaw.com

4. **Agreement to Comply with 4 CCR 723-3002(b)(IV)-(VI).** Public Service has read, and agrees to abide by, the provisions of subparagraphs (b)(IV) through (VI) of Rule 3002.

5. **Description of Existing Operations and General Colorado Service Area.**

Public Service's existing operations and general service areas in Colorado are set forth in the Company's tariffs on file with the Commission.

6. **Location of Hearing.** Public Service requests that this Application be granted without hearing. However, if a hearing is held, Public Service requests that it be held at the Commission's offices in Denver, Colorado.

7. **Acknowledgment.** Public Service acknowledges that the Company has read and agrees to abide by the provisions of 4 CCR 723-3002(b)(XI)(A) through (C).

8. **Statement Under Oath.** Company witness Ms. Alice K. Jackson states under penalty of perjury that the contents of this Application are true, accurate, and correct to the best of her knowledge. Her affidavit is attached to this Application.

9. **Information Required by Rule 3002(b)(IX) and (c).** Pursuant to 3002(c) of the Commission's Electric Rules, Public Service incorporates by reference the following information, on file with the Commission in Docket No. 06M-525EG:

- a. A copy of Public Service's Amended Articles of Incorporation, which was last filed on October 3, 2006;
- b. The name, business address and title of each of Public Service's officers and directors, which was last filed on March 26, 2015;
- c. The names and addresses of affiliated companies that conduct business with Public Service, which was last filed on March 26, 2015;
- d. The name and address of Public Service's agent for service of process, which was last filed on October 3, 2006;
- e. A copy of Public Service's most recent audited balance sheet, income statement, and statement of retained earnings, last filed on March 26, 2015.

WHEREFORE, Public Service respectfully requests the Commission issue an order approving its 2016 Electric Resource Plan and the accompanying assumptions and studies incorporated in this 2016 ERP, including its Solar Effective Load Carrying Capability Study, and its Solar Integration Study.

Dated this 27th day of May, 2016.

Respectfully submitted,

By: /s/ William M. Dudley
William M. Dudley, #26735
Assistant General Counsel - Lead
Christopher M. Irby, #35778
Assistant General Counsel
Xcel Energy Services Inc.
1800 Larimer Street, Suite 1100
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Irby: (303) 294-2504
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christopher.m.irby@xcelenergy.com

and

Gregory E. Sopkin, #20997
Matthew S. Larson, #41305
Caitlin M. Shields, #41539
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mlarson@wbklaw.com
cshields@wbklaw.com

**ATTORNEYS FOR PUBLIC SERVICE COMPANY OF
COLORADO**

BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF COLORADO

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IN THE MATTER OF THE APPLICATION OF)
PUBLIC SERVICE COMPANY OF)
COLORADO FOR APPROVAL OF ITS 2016) PROCEEDING NO. 16A-____E
ELECTRIC RESOURCE PLAN)

AFFIDAVIT OF ALICE K. JACKSON

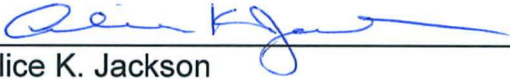
STATE OF COLORADO)

CITY AND COUNTY OF DENVER) SS:

I, Alice K. Jackson, being duly sworn, do hereby depose and state that I am the Regional Vice President, Rates and Regulatory Affairs, of Xcel Energy Services Inc., Applicant in the foregoing Application, and that I am an authorized agent for Public Service Company of Colorado for the purposes set forth in this Application.

I have read the foregoing *Application of Public Service Company of Colorado For Approval of its 2016 Electric Resource Plan*.

I have read the foregoing Application and the facts set forth therein are true and correct to the best of my knowledge, information, and belief.




Alice K. Jackson
Regional Vice President, Rates and Regulatory Affairs
Xcel Energy Services Inc.

Subscribed and sworn to before me this 27th day of May, 2016.

My Commission expires:

BARBARA HAMBLIN
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID # 19974007694
MY COMMISSION EXPIRES JULY 30, 2018

7/30/2018


Notary Public