

FPT Report - Actual Capital Expenditures versus Budget  
PSCo  
December-14

Capital (thousands of \$)		YE 2014		
		YE Actuals	YE Budget	Difference
Energy Supply		\$ 326,258	\$ 347,130	\$ (20,872)
Distribution Utility		245,128	212,641	32,487
Gas Systems		313,648	292,892	20,756
Transmission and Op Svcs		96,075	59,166	36,909
Corporate Services		82,533	71,886	10,648
General Counsel		646	2,021	(1,375)
Total		\$ 1,064,289	\$ 985,736	\$ 78,553
<b>Month of December</b>		<b>Year End Deviation</b>		
<b>Energy Supply C&amp;H</b>				
<u>Electric</u>				
<b>Major Projects</b>				
Cherokee 2x1 combined cycle - dollars transferred to Transmission for the switchyard work		(4,471)		
Hayden selective catalytic reduction (SCR): Unit 2 cashflow shift to years 2015-16		(8,500)		
Pawnee SCR and scrubber: Additional lead paint abatement associated with required duct removal and additional valves added to the steam coil air heaters, changes to interferences with existing plant equipment and additional personnel required for commissioning & testing		3,133		
<b>Base Projects</b>				
Ames Trout Lake valve replacement-carryover from 2013 and scope change to project		2,386		
Comanche and Pawnee emergent projects (lime system, acoustic leak detection system, air heater basket)		1,376		
Comanche Unit 2 cooling tower replacement insurance proceeds		(3,057)		
Blue Spruce and Rocky Mountain projects (CT parts exchange, duct burner replacement, air compressor, generator)		1,220		
Fort St. Vrain emergent projects (air compressor, turbine/reactor building roofs, ditch dam, CT nozzle replacement)		1,760		
PSCo Craig SCR project underrun		(3,010)		
PSCo station projects schedule and estimate changes		(566)		
Tacoma emergent projects (replace cascade trash rake, stagecoach spillway dam, retaining walls)		1,678		
Other		(0)		
<b>Sub-total Electric</b>		<b>(8,051)</b>		
<b>Base Projects</b>				
Denver Steam Wewatta Main - work performed in 2012 and schedule changes		(12,390)		
Other		(430)		
<b>Sub-total Other</b>		<b>(12,820)</b>		
<b>Total Energy Supply - C/H</b>		<b>(20,872)</b>		
<b>Distribution</b>				
<u>Electric</u>				
<b>Major Projects</b>				
FasTracks-engineering delays		(2,890)		
Ptarmigan - Delayed due to supplier issues for the switch gear; receipt of switch gear expected early 2015		(1,946)		
<b>Elec New Service / CIAC</b>				
Higher new business levels than budgeted (net of CIACs)		1,509		
<b>Elec Capacity</b>				
Accelerated work on reinforcement projects		5,015		
<b>Street Lights</b>				
Slow down in street light work		(4,151)		
<b>Elec Asset Health</b>				
Decrease in pole replacement program and DVO (Distributed Voltage Optimization)		(4,255)		
<b>Elec Mandates</b>				
Projects not included in original budget		1,559		
<b>Reliability</b>				
Increased work volume of Underground Residential Distribution (URD) replacement to meet program goals		19,007		
<b>Sub Asset Health</b>				
Projects not included in original budget		2,242		
<b>Equip Purchase</b>				
Additional transformer purchases - driven in part by increased new business volumes		7,152		
<b>Other</b>				
Change in scope of communication projects and additional tools expected than original budget		1,788		
Other		8,047		
<b>Sub-total Electric</b>		<b>33,078</b>		
<u>Other</u>				
Fleet		(449)		
Logistics Fencing		(492)		
Other		350		
<b>Sub-total Other</b>		<b>(591)</b>		
<b>Total Distribution</b>		<b>32,487</b>		
<b>Gas Systems</b>				
<u>Gas</u>				
<b>Major Projects</b>				
Cherokee (Denver) Pipeline: Original budget not in alignment with the current execution plan of the project		8,673		
FasTracks: various accelerated projects		6,557		
Rocky Flats not included in the original budget		4,821		
<b>Pipeline System Integrity Assessment (PSIA):</b>				
Accelerated Main Replacement Program (AMRP): project ramp down slower than budgeted		(8,023)		
CAB gas service replacement project (CAB): ramp down slower than budgeted		(1,699)		
Distribution Integrity Management Program (DIMP): ramp down slower than budgeted for Coated Steel main replacement		(12,277)		
Transmission Integrity Management Program (TIMP): ramp down slower than budgeted		(15,979)		
West Main Replacement: increase in costs to complete current year scope of work		5,760		
<b>Gas Asset Health</b>				
Gas service renewal and cutoff work significantly more than budgeted		13,591		
<b>Gas New Service</b>				
More infrastructure work than originally budgeted		7,995		
<b>Gas Capacity</b>				
More reinforcement work than originally budgeted		1,340		
<b>Equip Purchase</b>				

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Accelerated gas meter and regulator purchases due to increased forecast in new business and pipe replacement projects	4,516
<b>Gas Systems Cont'd</b>	
<b>HP Gas</b>	
Gas relocation work significantly more than budgeted	4,411
Other	1,069
<b>Total Gas Systems</b>	<b>20,756</b>
<b>Transmission</b>	
<b>Electric</b>	
<b>Reliability Requirement</b>	
Weld Trf Sub Expansion: Project was accelerated.	5,835
RiflePS - Parachute 230kv Line #2: Right-of-Way acquisition delayed by Bureau of Land Management delay in making its final determination.	(3,770)
Rosedale 115kv Inter Tie: In service date shifted to 2015 due to contingency identified in system impact study performed by Western Area Power Authority.	(3,274)
Ridge Auto Restoration: Project was approved out of cycle.	3,251
Leetsdale 230/115 kV xfmr #2: Transformer delivery delayed into 2014 due to manufacturer failing test.	4,076
<b>Regional Expansion</b>	
Clean Air Clean Jobs Act: Schedule change due to higher prioritization of other construction projects.	4,571
PSCo-SB - Pawnee Smokey line: Reserve transformer was transfer to SB - Pawnee Smokey line.	4,763
<b>Asset Renewal</b>	
PSCo Line Capacity: More remediation work was found.	16,175
PSCo Spare Transformer: Additional spare to improve reliability.	3,402
<b>Interconnection</b>	
Minor differences on all other projects:	1,880
Other	0
<b>Total Transmission</b>	<b>36,909</b>
<b>Corporate Services</b>	
<b>Business Systems</b>	
Cyber security	1,292
GIST III	201
GUIDE	981
Infrastructure/Network	2,494
PSCO Microwave Refresh	3,260
Storage Refresh Storage	2,306
Xcel Corporate Network	(3,139)
Regulatory Process Standard - additional support for go live	(1,020)
CMS Physical Power - additional support for go live	444
Builders Portal	600
HomeSmart	360
MDT Refresh	645
TCC Integrated Voice	532
Disaster Recovery Ph2	154
GIS 4.3 Add 'l work done on SOW, Overstated IQN and E&S charges	596
Infrastructure Projects - various projects	5,385
EMS, transmission, and distribution projects	1,617
Network refresh including (PC, server, storage, and network)	1,350
Various Energy Supply/Commercial Ops projects	2,350
Various Customer Care projects: My Account ReDesign & IEE Upgrade Project	3,358
Various Human Resource projects	892
Vegetation management pole treatment and inspection	398
Budget System Upgrade	1,268
FocalPoint-Network	(285)
Windows 7 OS Migration	1,528
Unifier	(689)
Site Infrastructure	1,332
Substation Asset Mgmt System	186
RiskMaster	142
Pipeline Data Project	750
Service Suite Version 10	1,258
Initial budget redistributed to specific projects	(16,935)
<b>Safety and Business Services</b>	
Settlement proceeds from the RTD Arvada land acquisition	(763)
Expense incurred to prep land for RTD Arvada acquisition	900
Carlsbad Service Center relocation	(1,244)
<b>ETO/PTT</b>	
General Ledger Replacement	(3,333)
Work and Asset Management (WAM)	(48)
Other	1,529
<b>Total Corporate Services</b>	<b>10,648</b>
<b>General Counsel</b>	
Updated OpCo forecasts for the Wind Predictor project	(723)
No current year technology projects were identified or started	(652)
Other	0
<b>Total General Counsel</b>	<b>(1,375)</b>

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Capital (thousands of \$)	YE 2015		
	YE Actuals	YE Budget	Difference
Energy Supply	\$ 189,557	\$ 194,643	\$ (5,086)
Distribution Utility	267,536	246,424	21,112
Gas Systems	257,678	263,123	(5,445)
Transmission	114,214	153,890	(39,676)
Corporate Services	68,052	60,657	7,395
General Counsel	131	1,157	(1,026)
Operations Services	46,650	29,175	17,475
Corp Secretary & Exec Svcs Total	3	28	(25)
Corporate Other Total	2	-	2
<b>Total</b>	<b>\$ 943,824</b>	<b>\$ 949,097</b>	<b>\$ (5,273)</b>

  

Month of December	Year End Deviation
<b>Energy Supply C&amp;H</b>	
<u>Electric</u>	
<b>Major Projects</b>	
Cherokee 2x1 combined cycle - Project underrun due to better than expected pricing on the Owner Furnished Equipment	(8,353)
Pawnee SCR and scrubber - The SCR and DGFDF manufacturer agreed to reimburse Xcel Energy for costs associated with corrective actions required during installation of the equipment due to errors in design and manufacturing, resulting in a credit to the project	(1,054)
Hayden Unit 1 & 2 selective catalytic reduction (SCR) - U1 was placed into service in October and revised project estimate, all remaining U1 costs are in 2015	(8,662)
<b>Base Projects</b>	
Arapahoe plant decommissioning: cashflow shift to 2016	(6,186)
Comanche Unit 3 superheater replacement overhaul emergent project	15,405
Cherokee, Comanche and Ft. St. Vrain: less emergent work than budgeted	(4,095)
Fort St Vrain Plant - U3 Combustion Turbine Roter project cancelled for 2015	(500)
Georgetown Clear Lake Denver water improvements - decision made to complete all work in 2015	2,112
Pawnee - additional emergent projects (sootblowing air compressor, piping, coal conveyor and mill motors)	3,770
Rocky Mountain: purchase of CT parts from exchange program to support capital overhaul \$1.8M, replace duct burner \$876K, generator re-wedge (\$500K), and labyrinth steam seal (\$920k)	1,735
Hayden - additional emergent projects (coal mill overhaul, ash pit fill, ash disposal equip, truck scale)	1,302
PSCo station project changes	(1,402)
Other	(0)
<b>Sub-total Electric</b>	<b>(5,928)</b>
<b>Base Projects</b>	
Denver Steam - Zuni legacy package boiler	(994)
Denver Steam - Zuni plant improvement projects	854
Denver Steam - new emergent projects (U2 Boiler Economizer Repl, FD Fan Repl & Repl Exhaust Acid Tanks)	881
Other	102
<b>Sub-total Other</b>	<b>843</b>
<b>Total Energy Supply - C/H</b>	<b>(5,086)</b>
<b>Distribution</b>	
<u>Electric</u>	
<b>Elec New Service / CIAC</b>	
New business underrun (net of CIACs)	(7,413)
<b>Street Lights</b>	
Projects with no significant variance	(1,572)
<b>Elec Asset Health</b>	
Projects identified after budget create and storm work not budgeted	7,507
DVO (Distributed Voltage Optimization) project cancelled	(15,000)
<b>Elec Capacity</b>	
Additional projects identified after budget create	6,229
<b>Elec Mandates</b>	
Projects with no significant variance	(2,153)
<b>Reliability</b>	
Increased work volume of Underground Residential Distribution (URD) replacement to meet program goals	19,065
<b>Sub Asset Health</b>	
Higher material and contractor costs than budgeted	7,520
<b>Sub Capacity</b>	
Various shifts in the timing and deployment of sub capacity projects due to siting and permitting	(6,157)
<b>Equip Purchase</b>	
Early receipt of transformers	5,347
<b>Tools</b>	
Accrual of work performed for various programs \$5.4M, and GIS phasing performed earlier than expected \$0.8M	6,679
Other	(16)
<b>Sub-total Electric</b>	<b>20,035</b>
<u>Other</u>	
Early receipt of vehicles	1,007
Other	71
<b>Sub-total Other</b>	<b>1,078</b>
<b>Total Distribution</b>	<b>21,112</b>

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<b>Gas Systems</b>	
<u>Gas</u>	
<b>Pipeline System Integrity Assessment (PSIA):</b>	
Main & Service Replacement Program (AMRP): reduction in scope of work	(10,271)
CAB Services: work at the end of the program had a higher cost per service	913
Coated Steel Main Replacement (CSMRP): work ahead of schedule/budget	5,332
Distribution Integrity Management Program (DIMP): Coupled Pipe work ahead of schedule/budget and increase in scope of work	9,182
Transmission Integrity Management Program (TIMP): reduction in MAOP scope of work	(18,513)
West Main: more work completed than expected and increase in scope of work	3,971
<b>Gas New Service / CIAC</b>	
New business underrun (net of CIACs) lower than budgeted	(5,546)
<b>Gas Asset Health</b>	
Service renewals associated with the Inside Meter move-out program	6,211
<b>Gas Capacity</b>	
Pueblo West reinforcement project moved up and completed in 2015	1,651
<b>Other</b>	
Accruals for work performed for various programs recorded to the tools blanket	2,351
Other	(726)
<b>Total Gas Systems</b>	<b>(5,445)</b>
<b>Transmission</b>	
<u>Electric</u>	
<b>Reliability Requirement</b>	
JF-USA: WAPA accelerated the Waterflow Phase Shifter Project from 2016 into 2015.	4,224
RiflePS - Parachute 230kv Line #2: Permitting and ROW activities have delayed construction start	(12,511)
Greeley Sub Upgrades: Construction delayed due to scope change and permitting requirements.	(5,309)
2017.	(6,210)
Greeley Area Upgrades: Project delayed due to scope change. Project is currently shifting from a 2019 ISD to 2022.	(5,213)
Capitol Hill GIS Conversion: Construction start was delayed to October, so spend started later than originally budgeted.	(5,012)
Delays to engineering design have shifted project ISD into 2016.	
Weld Trf Sub Expansion: Project costs delayed to 2016 due to outage restrictions.	(2,726)
<b>Regional Expansion</b>	
SB - Pawnee to Daniels Park: CPUC ruling to delay the project ISD from May 2019 to May 2022.	(4,723)
<b>Asset Renewal</b>	
PSCo - S&E Line: Multiple unplanned emergent projects this year.	1,931
	4,912
PSCO Line Capacity: New line capacity projects as a result of new points of interest as mandated by FERC requirements.	
PSCO Major Line Rebuilds: Delay in construction start due to ROW acquisition and delays in material delivery.	(3,212)
Tools COM Substation: Additional spend was approved outside of the budget cycle.	1,007
	(5,609)
PSCO Major Line Refurbishment: Construction delayed due to permitting and ROW issues. Project pushed out to 2016.	
Other	(1,225)
<b>Total Transmission</b>	<b>(39,676)</b>
<b>Utilities &amp; Corporate Services</b>	
<b>HR and Business Services</b>	
Arvada parking lot replacement with existing site moisture conditions	683
Various facilities projects with no significant variances	618
Lookout AHU - increase scope for unit 6	124
Timing of camera project with network availability	(179)
Furniture purchases	266
Cancelled LDC window replacement project	(531)
Mesa County parking lot and roof replacement	(910)
<b>Business Systems</b>	
<b>Incremental Project Costs:</b>	
Wide Area Network (incl PSCo Microwave)	2,025
Energy Management System (DEMS)	3,912
Energy Supply Diagnostic Center (phase 2-4)	1,802
Mobile Data Terminal (MDT) Refresh Sourcing Correction	725
Advanced Distribution Management System (ADMS)	378
GUIDE	919
<b>Reprioritization of Budget:</b>	
Storage Refresh - additional purchase for PTT	526
IT INFS Network Refresh - timing of hardware receipt	(1,822)
Certificate Key Mgmt IBM Websphere and VMware year-end purchases	1,353
Xcel Corporate Network	(481)
Corp Network Upgrade	1,465
2015 VOIP Refresh	923
Mainframe Modernization	(382)
Infrastructure Projects: Site Infrastructure - realign costs to correct projects	4,593
Network refresh including (PC, server, storage, and network) - timing of HW	874
Cybersecurity	(620)
EMS, transmission, distribution projects; Builders Portal SW license less than quote	1,630
Various Customer Care projects: RIS re-alignment	3,590
Western Energy Imbalance	(5,900)
DMZ Redesign Phase 1 (Disaster Recovery Project)	859
CRS Hardware-2015 Upgrade	1,683
Data Center Core Rt Ph2	2,040
Teradata HW	(1,819)
Corporate Firewall	612
Infra Private Cloud	(720)
Various Energy Supply/Commercial Ops projects	849
Various CFO Corporate Systems	404
Initial budget redistributed to specific projects	(13,128)
Other	1,035
<b>Total Utilities &amp; Corporate Services</b>	<b>7,395</b>
<b>General Counsel</b>	
Updated OpCo forecasts for the Wind Predictor project	82
No current year technology projects have been identified or started	(1,017)
Other	(91)
<b>Total General Counsel</b>	<b>(1,026)</b>
<b>Operations Services</b>	
PTT - Work and Asset Management	10,328
PTT - General Ledger	6,859
Other	289

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Total Operations Services

17,475

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Capital (thousands of \$)	YE 2016		
	YE Actuals	YE Budget	Difference
Energy Supply	\$ 185,862	\$ 206,196	\$ (20,333)
Distribution Utility	287,092	266,000	21,092
Gas Systems	314,312	279,023	35,289
Transmission	129,024	160,000	(30,976)
Utilities & Corp Services	86,809	93,500	(6,691)
General Counsel	-	600	(600)
Operations Services	49,741	54,700	(4,959)
Corp Secretary & Exec Svcs	48	-	48
<b>Total</b>	<b>\$ 1,052,890</b>	<b>\$ 1,060,019</b>	<b>\$ (7,129)</b>
<b>Month of December</b>			<b>Year End Deviation</b>
<b>Energy Supply C&amp;H</b>			
<u>Electric</u>			
<b>Major Projects</b>			
Arapahoe decommissioning - additional ash and coal remediation			629
Cabin Creek plant capacity improvement: Multiple-year cost reductions due to signing the major contract on September 1 and majority of milestone payments in 2017			(3,077)
Hayden unit 1&2 SCR project: Unit 1-result of credit settlements from project closeout with several contracts, Unit 2-updated work schedule			(7,318)
Rush Creek Wind - dollars shifted to future years			(9,734)
<b>Base Projects</b>			
Cabin Creek oil water separator and PME implementation - emergent projects			982
Cherokee Surface Water Compliance - reduction versus budget due to shift into 2017			(3,081)
Comanche projects (starter, turbine seals, relays, controls, pendant, baghouse bags) - outage got moved from fall 2016 to spring 2017, revision to outage schedule			(3,701)
Denver Steam trip stop reg valve - timing, 2015 project extended into 2016			2,974
Ft. St. Vrain projects - timing (turbine controls, auxiliary transformer, building wall panel; fuel nozzles-not in original budget)			488
Pawnee Cooling Tower Replacement project savings			(1,513)
Pawnee Unit 1 reheater replacement - project work change due to weather			2,487
Other			531
<b>Total Energy Supply - C/H</b>			<b>(20,333)</b>
<b>Distribution</b>			
<u>Electric</u>			
<b>Elec New Service / CIAC</b>			
New business underrun (net of CIACs)			(1,677)
<b>Elec Asset Health</b>			
Driven primarily by storm restoration not forecasted/budgeted			11,496
<b>Sub Asset Health</b>			
Primarily due to several transformer failures			11,426
Other			(153)
<b>Total Distribution</b>			<b>21,092</b>
<b>Gas Systems</b>			
<u>Electric</u>			
<b>Pipeline System Integrity Assessment (PSIA):</b>			
Main & Service Replacement Program (AMRP): reduction in scope of work			(10,568)
Distribution Integrity Management Program (DIMP): Coated Steel & Coupled Pipe increase in scope of work			41,811
Transmission Integrity Management Program (TIMP): reduction in MAOP scope of work			(18,870)
Transmission Integrity Management Program (TIMP): Shorted Casing and IMP completed more work than planned			10,046
West Main: project nearing completion and less work completed than planned			(1,577)
<b>Gas New Service</b>			
Mains and Services work not in original budget (primarily Sterling Ranch, Stapleton phase 3, and Questar)			16,697
<b>HP Gas</b>			
Primarily White River Dome, Vail reinforcement, Rifle/Avon projects completed more work than planned			8,200
<b>Equipment Purchase</b>			
Less meters and regs purchased based on forecasted need			(3,798)
<b>Other</b>			
RTU/ERX tail end device work re-scoped to align with SCADA upgrade			(6,443)
Other			(209)
<b>Total Gas Systems</b>			<b>35,289</b>
<b>Transmission</b>			
<u>Electric</u>			
PSCO Line Capacity - New line capacity projects as a result of new points of interest as mandated by FERC requirements			7,125
Bluestone Valley Sub- DeBeque - Project scope has been reduced			(11,103)
RiflePS - Parachute 230kv Line #2 - Permitting and ROW activities at the beginning of the project have consequentially delayed project from original budget extending the project into 2016.			6,501
DCP Thornton / Brantner - project has shifted due to issues related to land acquisition and permitting delays to project			(9,820)
Other - variances on a number of smaller projects			(23,679)
<b>Total Transmission</b>			<b>(30,976)</b>
<b>Utilities &amp; Corp Services</b>			
<b>Property Services</b>			
Small Building Projects (Furniture, Gates, Heaters, etc.)			(92)
Lookout Reliability Project			1,000
<b>Business Systems</b>			
Infrastructure Private Cloud-SDDC			3,682
Demand Response Management System Replacement PROJECT			2,391
ADMS - Advanced Distribution Management System			3,523
Geospatial Integrations (PTT)			2,875
2016 Websphere ELA Extension-Project			861
Network Strategy - Distribution System Intelligence Connectivity			(1,423)
DMZ Redesign Project			2,453
2016 Planned Server Refresh			1,791
2016 IT INFS Network Refresh			(1,692)
Identity & Access Management Program			1,174
CIP Substation Automation - Work Stream 2 Project			114
VoIP Refresh - 2015 and 2016			367
PSCO Microwave Mountain Range Refresh			1,519
Wireless Project			1,299
PSCO Generation Dispatch Optimization			(7,900)

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Network Strategy - T&D Substation Connectivity	(1,833)
Distribution Records Mgmt (Fed Records Mgmt)	489
<b>Utilities &amp; Corp Services Cont'd</b>	
Dynamic EMS (DEMS) Environment Phase 3	2,134
Dynamic EMS (DEMS) Environment Phase 2	(113)
Security Incident & Event Management	1,583
Corporate Network Infrastructure Upgrade - Core routing	1,436
CRS Hardware and Tech Stack - 2016 Upgrade Project	(6,209)
Diagnostic Center - Phase 2 Project	(2,192)
2015 IT INFS Network Refresh	262
Business Demand	(2,845)
Other	(11,345)
<b>Total Utilities &amp; Corp Services</b>	<b>(6,691)</b>
<b>General Counsel</b>	
Other	(600)
<b>Total General Counsel</b>	<b>(600)</b>
<b>Operations Services</b>	
PTT WAM projects	(4,959)
<b>Total Operations Services</b>	<b>(4,959)</b>