

Public Service Company of Colorado
Actual 2016 Construction Work in Progress Closings

Capital Budget Group	Project Number Description	Project Number	Classification	2016 Actual
Aging Technology	Dynamic EMS (DEMS) Environment Phase 3	D.0001703.034	Common General Plant	(2,174,253)
Aging Technology	GIS Upgrade Project	D.0001738.007	Common Intangible Plant	(2,758,432)
Aging Technology	ITSM Next Phase Project	D.0001744.026	Common Intangible Plant	(1,695,843)
Aging Technology	Corporate Email Refresh	D.0001748.006	Common Intangible Plant	(829,706)
Aging Technology	SCCM Upgrade 2015	D.0001758.008	Common Intangible Plant	(665,942)
Aging Technology	Fleet Focus Upgrade Project	D.0001759.006	Common Intangible Plant	(841,390)
Aging Technology	Clarity FSR System Replacement Project	D.0001762.006	Common Intangible Plant	(115,949)
Aging Technology	ITSM Next Phase Project	D.0001763.006	Common Intangible Plant	(26,994)
Aging Technology	Personnel Action Form Replacement Project	D.0001767.006	Common Intangible Plant	(301,397)
Aging Technology	Remittance Workstation and SAN Hardware Refresh Project	D.0001774.006	Common Intangible Plant	(473,753)
Aging Technology	PSCO Microwave Refresh	D.0001791.004	Common General Plant	(4,555)
Aging Technology	Corporate Email Refresh 2015	D.0001792.047	Common General Plant	(520,569)
Aging Technology	CRS Hardware and Tech Stack - 2016 Upgrade Project	D.0001794.001	Common General Plant	(2,148,606)
Aging Technology	CRS Hardware and Tech Stack - 2016 Upgrade Project	D.0001794.004	Common Intangible Plant	(802,599)
Aging Technology	IT Xcel Corporate Network Transformation Program	D.0001795.003	Common General Plant	(1,804,366)
Aging Technology	PSCo Microwave Mountain Range Refresh	D.0001797.005	Common General Plant	(3,620,653)
Aging Technology	Epson Scanners - Field Ops Project	D.0001804.316	Common General Plant	(58,608)
Aging Technology	Annual PC Refresh	D.0001821.125	Common General Plant	(2,973,539)
Aging Technology	Annual PC Refresh	D.0001821.159	Common General Plant	(1,901)
Aging Technology	Annual PC Refresh	D.0001821.171	Common General Plant	(31,953)
Aging Technology	Annual PC Refresh	D.0001821.184	Common General Plant	(876,996)
Aging Technology	Annual MDT Refresh	D.0001821.267	Common General Plant	(40,499)
Aging Technology	Annual MDT Refresh	D.0001821.322	Common General Plant	(619,355)
Aging Technology	Annual MDT Refresh	D.0001821.326	Common General Plant	(99,189)
Aging Technology	2015 EMS Infrass HW Gas PSCO	D.0001821.439	Gas General Plant	(25,041)
Aging Technology	Network Strategy - T&D Substation Connectivity	D.0001822.004	Common General Plant	(1,351,865)
Aging Technology	Annual Network Refresh	D.0001839.054	Common General Plant	(291,430)
Aging Technology	Annual Network Refresh	D.0001839.062	Common General Plant	(548,416)
Aging Technology	Annual Server Refresh	D.0001839.066	Common General Plant	(25,126)
Aging Technology	Annual Server Refresh	D.0001839.078	Common General Plant	(112,928)
Aging Technology	Annual Server Refresh	D.0001839.098	Common General Plant	(268,048)
Aging Technology	Annual Data Storage Project	D.0001839.109	Common General Plant	(1,772,906)
Aging Technology	Mainframe Modernization	D.0001839.115	Common General Plant	(7,452)
Aging Technology	Wireless Project	D.0001839.153	Common General Plant	(383,885)
Aging Technology	Corporate Network Infrastructure Upgrade - Core routing	D.0001839.176	Common General Plant	(1,951,573)
Aging Technology	Metro SCADA Redundancy	D.0001839.197	Common General Plant	(31,480)
Aging Technology	Data Center Core Routing Switching Modernization Phase 2 (and Streamlining)	D.0001839.234	Common General Plant	(12,691)
Aging Technology	DACS-Channel Bank Refresh	D.0001839.263	Common General Plant	(53,842)
Aging Technology	PSCo Transmission Control Center Integrated Voice System PBX	D.0001839.353	Common General Plant	(4,044)
Aging Technology	Annual Data Storage Project	D.0001839.362	Common General Plant	(2,220,440)
Aging Technology	PLS CADD Hardware Project	D.0001839.365	Common General Plant	(1,089)
Aging Technology	VoIP Refresh	D.0001839.374	Common General Plant	169,952
Aging Technology	Internet Browser Upgrade	D.0001839.404	Common Intangible Plant	(308,961)
Aging Technology	Net Backup New Traditional Licensing	D.0001839.412	Common Intangible Plant	(131,436)
Aging Technology	Purch EMS Gas Monitors PSCO	D.0001839.681	Gas General Plant	(4,507)
Aging Technology	Annual Network Refresh	D.0001839.783	Gas General Plant	16,952
Aging Technology Total				(32,807,303)

Public Service Company of Colorado
Actual 2016 Construction Work in Progress Closings

Capital Budget Group	Project Number Description	Project Number	Classification	2016 Actual
Cyber Security	Endpoint Security	D.0001733.006	Common Intangible Plant	(25,248)
Cyber Security	AD UNIX Authentication (aka IAM-QAS)	D.0001754.006	Common Intangible Plant	(283,320)
Cyber Security	Identity & Access Management Program	D.0001755.006	Common Intangible Plant	(1,698,211)
Cyber Security	Structured Data Security Project (aka db Security)	D.0001761.006	Common Intangible Plant	(513,989)
Cyber Security	IP Security Camera	D.0001804.125	Common General Plant	(196,599)
Cyber Security	Corporate Firewall Enhancement	D.0001825.003	Common General Plant	(329,844)
Cyber Security	Enhanced Perimeter Security	D.0001825.011	Common General Plant	(814,281)
Cyber Security	Enhanced Mobile Device Security	D.0001825.027	Common General Plant	(7,434)
Cyber Security	Disaster Recovery - Phase 2	D.0001825.048	Common General Plant	(26,872)
Cyber Security	Security Monitoring Center Project (aka Threat Mgmt)	D.0001825.064	Common Intangible Plant	
Cyber Security	Forensic Investigation & Governance IDEA	D.0001826.168	Common General Plant	(2,531)
Cyber Security Total				(3,898,329)
Enhance Capabilities	Builders Portal Project	D.0001735.006	Common Intangible Plant	(17,281)
Enhance Capabilities	Data Quality Tool Suite	D.0001741.006	Common Intangible Plant	(2,280,208)
Enhance Capabilities	PowerPlan Upgrade	D.0001744.006	Common Intangible Plant	(5,844)
Enhance Capabilities	Integrated Talent Management (ITM)	D.0001753.007	Common Intangible Plant	(110)
Enhance Capabilities	Regulatory Information System - Phase II Project	D.0001757.006	Common Intangible Plant	(31,409)
Enhance Capabilities	eGRC Phase II Project	D.0001760.007	Common Intangible Plant	(109,664)
Enhance Capabilities	2015 Real Property Asset Management (RPAM) Project	D.0001765.006	Common Intangible Plant	(500,074)
Enhance Capabilities	Enterprise Environmental Services Solution - EHS	D.0001769.006	Common Intangible Plant	(4,195)
Enhance Capabilities	Community Energy Program - Partners in Energy - (MKT-CX) Project	D.0001773.006	Common Intangible Plant	(1,432)
Enhance Capabilities	Whole Building Benchmarking - (MKT-CX) Project	D.0001804.210	Common Intangible Plant	(945)
Enhance Capabilities	Digital Application Process (MKT-DSM) Project	D.0001804.213	Common Intangible Plant	(402,632)
Enhance Capabilities	XE.com Optimizations Project	D.0001826.178	Common Intangible Plant	(577,893)
Enhance Capabilities	Field Operations Mobile Application Project	D.0001826.182	Common Intangible Plant	(329,146)
Enhance Capabilities	Integrated Talent Management (ITM)	D.0001826.185	Common Intangible Plant	(200,891)
Enhance Capabilities	Enterprise SDLC Rational CLM Project	D.0001826.202	Common Intangible Plant	(93,911)
Enhance Capabilities	ITSA Pole Phase2 - Inspect Treat and Strength Analysis for Poles	D.0001826.210	Common Intangible Plant	(320,242)
Enhance Capabilities	Informatica PowerCenter SW Project	D.0001826.236	Common Intangible Plant	(521)
Enhance Capabilities	SAP BI Suite Project	D.0001826.240	Common Intangible Plant	(443,471)
Enhance Capabilities	Infrastructure Private Cloud-SDDC	D.0001839.634	Common Intangible Plant	(3,976,896)
Enhance Capabilities Total				(9,296,767)
Harkness Total				(46,002,399)

Public Service Company of Colorado
Forecast Construction Work in Progress Closings

Capital Budget Group	Project Number Description	Project Number	Classification	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	Estimated In Service Date ¹
Aging Technology	MRAS Consolidation to IEE and RMS	D.0001702.010	Common Intangible Plant		(1,418,658)			10/31/2018
Aging Technology	Dynamic EMS (DEMS) Environment Phase 3	D.0001703.034	Common General Plant	135				12/31/2016
Aging Technology	GIS Upgrade Project	D.0001738.007	Common Intangible Plant	1,620				12/31/2016
Aging Technology	IrthNet Damage Prevention Project	D.0001744.018	Common Intangible Plant		(1,261,011)			6/30/2018
Aging Technology	ITSM Next Phase Project	D.0001744.026	Common Intangible Plant	(62,159)				12/31/2016
Aging Technology	Teradata HW Purchase	D.0001744.043	Common Intangible Plant	(166,339)				5/30/2017
Aging Technology	Corporate Email Refresh	D.0001748.006	Common Intangible Plant	(3,916)				12/31/2016
Aging Technology	Fleet Focus Upgrade Project	D.0001759.006	Common Intangible Plant	(763)	(720,306)			11/30/2018
Aging Technology	Fleet Focus Upgrade 2020	D.0001759.010	Common Intangible Plant				(1,020,000)	12/31/2020
Aging Technology	Personnel Action Form Replacement Project	D.0001767.006	Common Intangible Plant	(9,356)				12/31/2016
Aging Technology	Enterprise Purge Archive	D.0001768.006	Common Intangible Plant	(239,957)				4/30/2017
Aging Technology	Secure File Transfer Program (aka EDI)	D.0001770.006	Common Intangible Plant	(504,381)				3/15/2017
Aging Technology	Remittance Processing Application Upgrade	D.0001774.010	Common Intangible Plant			(725,181)		12/31/2019
Aging Technology	PSCo System Refresh 7.14	D.0001783.008	Common General Plant	(44,523)				3/31/2017
Aging Technology	Fuelworx Upgrade	D.0001792.025	Common Intangible Plant				(192,380)	12/31/2020
Aging Technology	GIS Upgrade	D.0001792.029	Common Intangible Plant		(1,194,286)			12/31/2018
Aging Technology	NMS 1.x Upgrade	D.0001792.033	Common Intangible Plant		(1,900,001)			12/31/2018
Aging Technology	Open Text Upgrade	D.0001792.037	Common Intangible Plant				(980,421)	12/31/2020
Aging Technology	Core HR Application (Payroll Benefits)	D.0001792.041	Common Intangible Plant		(1,225,235)			12/31/2018
Aging Technology	Teradata HW Purchase	D.0001792.051	Common General Plant	(532,742)				5/30/2017
Aging Technology	RSA Archer System Upgrade	D.0001792.053	Common Intangible Plant				(196,584)	12/31/2020
Aging Technology	Enhanced Customer Outage Experience	D.0001792.143	Common General Plant		(5,625,247)			2/28/2018
Aging Technology	Enhanced Customer Outage Experience	D.0001792.151	Common Intangible Plant	(119,917)				12/31/2017
Aging Technology	CRS Hardware and Tech Stack - 2016 Upgrade Project	D.0001794.004	Common Intangible Plant	(2,270)				12/31/2016
Aging Technology	IT Xcel Corporate Network Transformation Program	D.0001795.003	Common General Plant	(1,680)				Routine
Aging Technology	PSCo Microwave Mountain Range Refresh	D.0001797.005	Common General Plant	(889,143)				10/31/2017
Aging Technology	Gas SCADA Replacement Project	D.0001801.003	Gas General Plant			(14,060,326)		3/30/2019
Aging Technology	Gas SCADA Replacement Project	D.0001801.010	Gas General Plant	(6,040)				10/31/2017
Aging Technology	Emptonis Upgrade Phase 2	D.0001804.010	Common Intangible Plant		(1,649,775)			12/12/2018
Aging Technology	Annual Server Refresh	D.0001804.042	Common General Plant	(6)				Routine
Aging Technology	Next Generation Desktop	D.0001805.003	Common Intangible Plant			(720,000)		12/31/2019
Aging Technology	Fault Tolerant STRATUM 1 Timing Source (WECC Requirement)	D.0001815.010	Common General Plant		(750,000)			12/31/2018
Aging Technology	DM2 Redesign Project	D.0001818.029	Common General Plant	(5,670,040)				12/31/2017
Aging Technology	Annual PC Refresh	D.0001821.125	Common General Plant	(88,817)				Routine
Aging Technology	Annual PC Refresh	D.0001821.184	Common General Plant	(46,548)				Routine
Aging Technology	Annual Network Refresh	D.0001821.203	Common General Plant	(1,568,900)				Routine
Aging Technology	Annual PC Refresh	D.0001821.207	Common General Plant	(1,199,989)				Routine
Aging Technology	Annual Server Refresh	D.0001821.215	Common General Plant	(888,000)				Routine
Aging Technology	Annual PC Refresh	D.0001821.231	Common General Plant	(409,584)				Routine
Aging Technology	Annual Server Refresh	D.0001821.239	Common General Plant	(480,000)				Routine
Aging Technology	Annual Data Storage Project	D.0001821.255	Common General Plant	(1,920,000)				Routine
Aging Technology	Annual MDT Refresh	D.0001821.259	Common General Plant	(27,600)				12/31/2017
Aging Technology	Annual MDT Refresh	D.0001821.263	Common General Plant	(351,600)				12/31/2017
Aging Technology	Annual Network Refresh	D.0001821.277	Common General Plant		(2,125,700)			Routine
Aging Technology	Annual PC Refresh	D.0001821.289	Common General Plant		(386,000)			Routine
Aging Technology	Annual Server Refresh	D.0001821.297	Common General Plant		(480,000)			Routine
Aging Technology	Annual PC Refresh	D.0001821.310	Common General Plant		(1,080,000)			Routine
Aging Technology	Annual MDT Refresh	D.0001821.314	Common General Plant		(27,600)			12/31/2018
Aging Technology	Annual MDT Refresh	D.0001821.318	Common General Plant		(351,600)			12/31/2018
Aging Technology	Annual MDT Refresh	D.0001821.322	Common General Plant	31,411				12/31/2016
Aging Technology	Annual MDT Refresh	D.0001821.326	Common General Plant	(1,949)				1/31/2016
Aging Technology	Annual Handheld Mobile Collector Refresh	D.0001821.347	Common General Plant		(238,000)			12/31/2018
Aging Technology	Annual Handheld Mobile Collector Refresh	D.0001821.366	Common General Plant			(350,000)		12/31/2019
Aging Technology	Annual Network Refresh	D.0001821.370	Common General Plant			(1,036,750)		Routine
Aging Technology	Annual MDT Refresh	D.0001821.374	Common General Plant			(356,040)		12/31/2019
Aging Technology	Annual PC Refresh	D.0001821.378	Common General Plant			(1,026,863)		Routine
Aging Technology	Annual MDT Refresh	D.0001821.382	Common General Plant			(27,600)		12/31/2019
Aging Technology	Annual PC Refresh	D.0001821.386	Common General Plant			(408,000)		Routine
Aging Technology	Annual PC Refresh	D.0001821.419	Common General Plant				(1,044,277)	Routine
Aging Technology	Annual Data Storage Project	D.0001821.422	Common General Plant				(2,625,000)	Routine
Aging Technology	Annual Handheld Mobile Collector Refresh	D.0001821.429	Common General Plant			(350,000)		6/30/2020
Aging Technology	Annual Network Refresh	D.0001821.432	Common General Plant				(972,135)	Routine
Aging Technology	Annual Handheld Mobile Collector Refresh	D.0001821.525	Common General Plant	(5,761)				3/31/2017
Aging Technology	Network Strategy - T&D Substation Connectivity	D.0001822.004	Common General Plant	(13,266)	(395)	(56)	(9)	Routine
Aging Technology	Network Strategy - T&D Substation Connectivity	D.0001822.035	Common Intangible Plant	(144,867)				2/15/2017
Aging Technology	Customer Care Avaya IVR Upgrade	D.0001826.003	Common Intangible Plant				(749,247)	12/31/2020
Aging Technology	Real Property Asset Management Upgrade	D.0001826.007	Common Intangible Plant				(983,645)	12/31/2020
Aging Technology	Verint Suite and Workforce Mngmt Upgrade	D.0001826.011	Common Intangible Plant				(153,434)	12/31/2020
Aging Technology	Project Wise for Distribution	D.0001826.050	Common Intangible Plant		(599,230)			12/31/2018

¹ Projects which indicate "Routine" for an estimated in service date have different in service dates for different portions of the project.

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Capital Budget Group	Project Number Description	Project Number	Classification	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	Estimated In Service Date ¹
Aging Technology	Customer Care IVR Upgrades	D.0001826.075	Common Intangible Plant		(1,447,980)			12/31/2018
Aging Technology	Verint Workforce Management upgrade or replacement PROJECT	D.0001826.160	Common Intangible Plant	(897,571)				8/31/2017
Aging Technology	Demand Response Management System Replacement PROJECT	D.0001826.190	Common Intangible Plant	(3,726,506)				12/31/2017
Aging Technology	Annual Server Refresh	D.0001839.022	Common General Plant	(2,216,964)				Routine
Aging Technology	Annual Network Refresh	D.0001839.054	Common General Plant	(132,549)				Routine
Aging Technology	Annual Network Refresh	D.0001839.062	Common General Plant	(4,438)				Routine
Aging Technology	Annual Server Refresh	D.0001839.066	Common General Plant	(469,084)				Routine
Aging Technology	Annual Server Refresh	D.0001839.098	Common General Plant	(551)				Routine
Aging Technology	Annual Network Refresh	D.0001839.105	Common General Plant	(134)				12/31/2016
Aging Technology	Annual Data Storage Project	D.0001839.109	Common General Plant	(204,647)				Routine
Aging Technology	Annual Server Refresh	D.0001839.136	Common General Plant		(888,000)			Routine
Aging Technology	Annual Data Storage Project	D.0001839.147	Common General Plant		(2,640,000)			Routine
Aging Technology	Wireless Project	D.0001839.153	Common General Plant	(3,624,887)				Routine
Aging Technology	Corporate Network Infrastructure Upgrade - Core routing	D.0001839.176	Common General Plant	(12,145)				12/31/2017
Aging Technology	Metro SCADA Redundancy	D.0001839.197	Common General Plant	(78,697)				3/31/2017
Aging Technology	Network Reliability Upgrades	D.0001839.201	Common General Plant	(601,290)				5/31/2017
Aging Technology	SCCM Upgrade 2018	D.0001839.209	Common Intangible Plant		(211,440)			12/31/2018
Aging Technology	Data Center Core Routing Switching Modernization Phase 2 (and Streamlining)	D.0001839.234	Common General Plant	(2,747,763)				8/31/2017
Aging Technology	Annual Server Refresh	D.0001839.246	Common General Plant			(1,440,000)		Routine
Aging Technology	Annual Data Storage Project	D.0001839.250	Common General Plant			(2,520,000)		Routine
Aging Technology	Annual Server Refresh	D.0001839.254	Common General Plant			(480,000)		Routine
Aging Technology	NOC Refresh	D.0001839.258	Common Intangible Plant			(1,101,302)		12/31/2019
Aging Technology	DACS-Channel Bank Refresh	D.0001839.263	Common General Plant	(1,117,481)				4/15/2017
Aging Technology	Active Directory Upgrade 2018	D.0001839.292	Common Intangible Plant		(117,335)			12/31/2018
Aging Technology	ESB Environment Capacity Project	D.0001839.304	Common Intangible Plant	(3,759,065)				12/31/2017
Aging Technology	Windows 2003 Server Upgrade	D.0001839.356	Common General Plant	(4,076,084)				4/30/2017
Aging Technology	PSCo Dispatch Console Upgrade	D.0001839.367	Common General Plant	(1,610,025)				12/31/2017
Aging Technology	VoIP Refresh	D.0001839.374	Common General Plant	(764,389)				Routine
Aging Technology	911 Emergency Phone Record Solution	D.0001839.378	Common Intangible Plant	(166,385)				4/28/2017
Aging Technology	Annual Server Refresh	D.0001839.383	Common General Plant				(500,000)	Routine
Aging Technology	Annual Server Refresh	D.0001839.385	Common General Plant				(1,500,000)	Routine
Aging Technology	2018 CRS Tech Stack Upgrade	D.0001839.401	Common General Plant		(500,000)			12/31/2018
Aging Technology	911 Emergency Phone Record Solution	D.0001839.407	Common General Plant	(296,084)				4/28/2017
Aging Technology	Avaya CM and IVR Upgrade Project	D.0001839.605	Common Intangible Plant	(40,660)				7/31/2017
Aging Technology	CRS Hardware and Tech Stack Upgrade Project	D.0001839.612	Common Intangible Plant	(46,668)				7/31/2017
Aging Technology	Avaya CM and IVR Upgrade Project	D.0001839.619	Common General Plant	(6,780)				7/21/2017
Aging Technology	ESB Environment Capacity Project	D.0001839.627	Common Intangible Plant		(301,027)			4/1/2018
Aging Technology	Purch NS T&D WAN PSCO	D.0001839.654	Common General Plant	(65,947)				4/15/2017
Aging Technology	ESB Environment Capacity Project	D.0001839.661	Common General Plant	(1,448)				3/31/2017
Aging Technology	Annual Network Refresh	D.0001839.691	Gas General Plant	(449)				5/15/2017
Aging Technology	PSCo Microwave Mountain Range Refresh	D.0001839.693	Common General Plant	(315,672)				10/31/2017
Aging Technology	Corporate Network Infrastructure Upgrade - Core routing	D.0001839.773	Common General Plant	(380,679)				6/15/2017
Aging Technology	Network Strategy - T&D Substation Connectivity	D.0001839.781	Common General Plant	(633,581)				2/15/2017
Aging Technology	Annual Network Refresh	D.0001839.783	Gas General Plant	(46,473)				Routine
Aging Technology	Websphere ELA Extension-Project	D.0001839.791	Common Intangible Plant	(1,429,925)				3/15/2017
Aging Technology	DMZ Redesign Project	D.0001839.820	Common Intangible Plant	(373,589)				7/1/2017
Aging Technology Total				(45,215,559)	(27,138,826)	(24,252,118)	(11,267,133)	
Cyber Security	Enhanced Perimeter Security	D.0001747.007	Common Intangible Plant	(101,050)				4/30/2017
Cyber Security	AD UNIX Authentication (aka IAM-QAS)	D.0001754.006	Common Intangible Plant	(1,061)				2/28/2017
Cyber Security	Identity & Access Management Program	D.0001755.006	Common Intangible Plant	(25,828)				12/31/2016
Cyber Security	Structured Data Security Project (aka db Security)	D.0001761.006	Common Intangible Plant	(8,906)				12/31/2016
Cyber Security	Certificate & Key Management	D.0001771.006	Common Intangible Plant	(461,189)				8/17/2017
Cyber Security	Forensic Investigation & Governance	D.0001775.006	Common Intangible Plant	(11,335)				12/31/2016
Cyber Security	IP Security Camera	D.0001804.125	Common General Plant	(156,510)				3/31/2017
Cyber Security	eGRC Enterprise Security	D.0001804.364	Common Intangible Plant		(244,085)			1/15/2018
Cyber Security	Security Technology Refresh	D.0001807.003	Common Intangible Plant	(808,322)	(3,482,801)	(4,818,501)	(5,008,494)	Routine
Cyber Security	Security Incident & Event Management	D.0001818.016	Common Intangible Plant	(821,443)				3/15/2017
Cyber Security	Enhanced Perimeter Security	D.0001818.026	Common Intangible Plant	(8,277)				3/15/2017
Cyber Security	Security Incident & Event Management	D.0001818.055	Common General Plant	(1,278,123)				3/31/2017
Cyber Security	Structured Data Security Project (aka db Security)	D.0001818.057	Common General Plant	(61,132)				12/31/2016
Cyber Security	Corporate Firewall Enhancement	D.0001825.003	Common General Plant	(252)				Routine
Cyber Security	Enhanced Perimeter Security	D.0001825.011	Common General Plant	(53,288)				3/15/2017
Cyber Security	Security Monitoring Center Project (aka Threat Mgmt)	D.0001825.064	Common Intangible Plant	(118)				3/31/2017
Cyber Security	Network Security and Protection	D.0001839.641	Common Intangible Plant	(1,055,755)				5/31/2017
Cyber Security Total				(4,852,590)	(3,726,885)	(4,818,501)	(5,008,494)	

¹ Projects which indicate "Routine" for an estimated in service date have different in service dates for different portions of the project.

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Emergent Demand	Emergent Demand	D.0001804.087	Common Intangible Plant	(1,740,817)	(8,053,553)	(14,013,014)	(15,483,961)	Routine
Emergent Demand Total				(1,740,817)	(8,053,553)	(14,013,014)	(15,483,961)	
Enhance Capabilities	Builders Portal Project	D.0001735.006	Common Intangible Plant	536				11/23/2015
Enhance Capabilities	Geospatial Integrations Project	D.0001738.013	Common Intangible Plant	(4,854,007)				11/30/2017
Enhance Capabilities	Data Quality Tool Suite	D.0001741.006	Common Intangible Plant	(78,648)				2/28/2017
Enhance Capabilities	PowerPlan Upgrade	D.0001744.006	Common Intangible Plant	(5,526)				3/31/2017
Enhance Capabilities	PowerPlan Upgrade	D.0001744.013	Common Intangible Plant	(534,296)				3/17/2017
Enhance Capabilities	Automated Credit Management Project	D.0001744.030	Common Intangible Plant	(59,026)				6/30/2017
Enhance Capabilities	Consolidate Corporate Giving Tools Project	D.0001744.034	Common Intangible Plant	(117,990)				4/15/2017
Enhance Capabilities	Regulatory Information System - Phase II Project	D.0001757.006	Common Intangible Plant	(602)				3/31/2016
Enhance Capabilities	eGRC NERC Project	D.0001792.140	Common Intangible Plant	(832,010)				2/28/2017
Enhance Capabilities	Automated Credit Management Project	D.0001800.931	Common Intangible Plant	(84,024)				6/30/2017
Enhance Capabilities	Interval and Complex Billing Project	D.0001804.150	Common Intangible Plant		(3,434,692)			3/18/2018
Enhance Capabilities	TRIRIGA Energy Management and Analytics	D.0001804.178	Common Intangible Plant			(203,208)		12/31/2019
Enhance Capabilities	Revenue Analytics and Tools	D.0001804.182	Common Intangible Plant			(1,261,435)		12/31/2019
Enhance Capabilities	Service Reporting and Analytics	D.0001804.194	Common Intangible Plant		(652,845)			12/31/2018
Enhance Capabilities	Electronic Shift Operations Management System (eSOMS)	D.0001804.295	Common Intangible Plant		(992,627)			3/31/2018
Enhance Capabilities	Distribution Records Mgmt aka Fed Records Mgmt	D.0001804.305	Common Intangible Plant	(543,509)				11/30/2017
Enhance Capabilities	SAP Managerial Finance Data Mart	D.0001804.350	Common Intangible Plant	(323,287)				6/30/2017
Enhance Capabilities	Integrated Talent Management (ITM)	D.0001804.368	Common Intangible Plant	(242,105)				3/31/2017
Enhance Capabilities	Federated Records Management- Phase I IDEA	D.0001815.015	Common Intangible Plant	(535,321)				11/30/2017
Enhance Capabilities	MAOP Calculations for Gas System Project	D.0001815.049	Gas Intangible Plant	(1,386,775)				8/1/2017
Enhance Capabilities	Gas Distribution Risk Project	D.0001815.057	Gas Intangible Plant		(1,511,453)			10/31/2018
Enhance Capabilities	Enterprise Asset Analytics	D.0001817.003	Common Intangible Plant			(4,349,000)		12/31/2019
Enhance Capabilities	Corp Comm Video Equip PSCO	D.0001820.002	Common General Plant	(47,926)	(23)			Routine
Enhance Capabilities	Fieldforce MDT Automation	D.0001821.390	Common General Plant		(176,002)			12/31/2018
Enhance Capabilities	TRIRIGA Construction Project Management	D.0001826.022	Common Intangible Plant		(336,318)			12/31/2018
Enhance Capabilities	Transmission Metrics Dashboard	D.0001826.047	Common Intangible Plant		(864,417)			12/31/2018
Enhance Capabilities	XpressNET and PowerSource Productivity Enhancements	D.0001826.059	Common Intangible Plant		(338,588)			12/31/2018
Enhance Capabilities	Mobile Application Customer Engagement project	D.0001826.063	Common Intangible Plant		(1,517,423)			10/31/2018
Enhance Capabilities	Legal Services Matter Management Project	D.0001826.100	Common Intangible Plant		(454,684)			4/30/2018
Enhance Capabilities	Multi-Site Customer Portal (billing, payment, energy mgmt) - (MKT-CX)	D.0001826.140	Common Intangible Plant		(1,548,723)			12/31/2018
Enhance Capabilities	Enterprise Search Portal - Phase I	D.0001826.144	Common Intangible Plant		(729,995)			12/31/2018
Enhance Capabilities	Integrated Talent Management (ITM)	D.0001826.185	Common Intangible Plant	(32,497)				3/15/2017
Enhance Capabilities	ITSA Pole Phase2 - Inspect Treat and Strength Analysis for Poles	D.0001826.210	Common Intangible Plant	(33,627)				2/28/2017
Enhance Capabilities	Customer Care Virtual Agent	D.0001826.214	Common Intangible Plant	(407)				12/31/2017
Enhance Capabilities	Large C&I Portal - (MKT-CX) IDEA	D.0001826.218	Common Intangible Plant	(9)				12/31/2017
Enhance Capabilities	Campaign Enhancements (MKT-CX)	D.0001826.222	Common Intangible Plant	(627)				2/15/2017
Enhance Capabilities	SAP BI Suite Project	D.0001826.240	Common Intangible Plant	(24,198)				12/31/2016
Enhance Capabilities	2015 Real Property Asset Management (RPAM) Project	D.0001826.246	Common Intangible Plant	(556,528)				9/30/2017
Enhance Capabilities	Network Strategy - Gas Operations Connectivity	D.0001828.011	Gas General Plant		(105,250)	(1,000,242)	(2,645,959)	Routine
Enhance Capabilities	Mobile Computing Infrastructure	D.0001839.185	Common Intangible Plant	(1,677,111)				5/15/2017
Enhance Capabilities	Infrastructure Private Cloud-SDDC	D.0001839.219	Common General Plant	(936,449)				5/31/2017
Enhance Capabilities	Network Monitoring Tools	D.0001839.231	Common Intangible Plant	(435,000)				5/31/2017
Enhance Capabilities	Digital Signage	D.0001839.288	Common Intangible Plant	(162,068)				12/31/2017
Enhance Capabilities	Transmission Control Center IVR	D.0001839.350	Common General Plant		(458,977)			12/31/2018
Enhance Capabilities	SharePoint Upgrade	D.0001839.390	Common Intangible Plant	(1,551,339)				12/31/2017
Enhance Capabilities	Infrastructure Private Cloud-SDDC	D.0001839.634	Common Intangible Plant	323,005				1/15/2017
Enhance Capabilities	Internet WAN	D.0001839.797	Common General Plant	(429,128)				Routine
Enhance Capabilities Total				(15,160,496)	(13,122,016)	(6,813,885)	(2,645,959)	
Productivity Through Technology	Multiple Other	D.0001699.006	Common Intangible Plant	172				12/31/2016
Productivity Through Technology Total				172	0	0	0	
Harkness Total				(66,969,290)	(52,041,281)	(49,897,518)	(34,405,546)	

¹ Projects which indicate "Routine" for an estimated in service date have different in service dates for different portions of the project.