

Category	Name	Short Description	2022 Capital Expenditure Demand
Aging Technology	2021 IT INFS Network	Lifecycle upgrades for Communication Equip	13
Aging Technology	2022 EMS Infrastructure Refresh	2022 EMS Infrastructure Refresh	1
Aging Technology	2022 IT INFS Network	Lifecycle upgrades for Communication Equip	13
Aging Technology	2022 Oracle License	upgrade Oracle licenses- KLO 100% capital	4
Aging Technology	2022 PSCO Renewable Connect	Additional capability for Renewable Connect	0
Aging Technology	2022 Remittance Software Refresh	Upgrade the remittance application and software	1
Aging Technology	CIM Tool Upgrade	Continue to conduct distribution risk analysis.	0
Aging Technology	CRS Application upgrade	CRS Application Upgrade/Replacement Analysis	5
Aging Technology	CRS Tech Stack Upgrade	CRS Tech Stack and Infrastructure Upgrade	0
Aging Technology	DR Technology Refresh	Refresh disaster recovery systems	10
Aging Technology	EMS SCADA Upgrade	Upgrade the EMS system to the current version	16
Aging Technology	Enterprise Project Portfolio Management	Enterprise Project Portfolio Management (EPPM)	8
Aging Technology	Enterprise Purge Archive	Archive and Purge CRS data.	0
Aging Technology	Environmental Services Refresh	Environmental Services' systems refresh	0
Aging Technology	ERO Replacement	Upgrade Electric Reliability Organization Systems	2
Aging Technology	Facility IT Investments	IT Investments for Facilities Upgrades	4
Aging Technology	Field Mobile GIS Upgrade	Field Mobile GIS Platform Replacement	2
Aging Technology	Financial Accounting and Rate Revenue (FARR) solution replacement	FARR Replacement	1
Aging Technology	Human Capital Management System	Modernization of Core HR Applications	15
Aging Technology	Infrastructure modernization	Updating critical infrastructure	10
Aging Technology	ISO Interface and Settlement Replacement	Support WEIM and ISO interface improvements	7
Aging Technology	IT INFS Network Refresh	Replacement of network component	7
Aging Technology	LMR Core Upgrade	Updgrade ASTRO system to A7.17 and Z2 Mini console	11
Aging Technology	Mainframe Modernization	Replace beyond support Mainframe.	0
Aging Technology	Mapboard Replacement	Replaced end of life map boards.	3
Aging Technology	Meter Data Management System (MDMS)	MDMS Technology Stack Upgrade	2
Aging Technology	MT Security Computer System Upgrade	Refresh Monticello Security Computer System	1
Aging Technology	NAD Server Refresh	Nuclear Analysis Department (NAD) Server Refresh	2
Aging Technology	Operations Tech Infrastructure Refresh	Refresh of the OT environment supporting AGIS	12
Aging Technology	PC Refreshes	Annual refresh and inventory of PC Equipment	10
Aging Technology	Planned Converged Refresh 2021	2021 Refresh of storage and server hardware	10
Aging Technology	Planned Converged Refresh 2022	2021 Refresh of storage and server hardware	10
Aging Technology	Planned PC Refresh 2021	Annual PC, printer and plotter refresh	9
Aging Technology	Planned PC Refresh 2022	Annual PC, printer and plotter refresh	10
Aging Technology	Planned Printer Refresh 2021	Printer and Plotter annual Refresh	1
Aging Technology	Planned Printer Refresh 2022	Printer and Plotter annual Refresh	1
Aging Technology	Printer Refreshes	Printer and Plotter annual Refresh	2
Aging Technology	Real Property Asset Management Upgrade or Replace	Upgrade/Replace the TRIRIGA Application	0
Aging Technology	Rugged Tablets Refresh 2020	Refresh MDTs used in the field.	2
Aging Technology	SAP Continuous Improvements	SAP Continuous Improvement	5
Aging Technology	Sap Purge Archive	Tiering/archival solution to SAP data growth	0
Aging Technology	SAS BookRunner	Replace SAS BookRunner	2
Aging Technology	SQLServer 2012 Upgrade	Upgrade SQLServer2012 DBs	0
Aging Technology	Technology License 2023	This project is to provide capital for license	5
Aging Technology	Verint Corporate Recording Redesign	Replace corporate recording solution.	1
Aging Technology	Video Conferencing enablement	Refresh outdated conference room equipment	1
Aging Technology	VoIP Refresh		0
Aging Technology	WAN PSCO	Wide Are Network Projects for PSCO	14
Aging Technology	Western Slope Backhaul (CJCS Migration)	Western Slope Backhaul (CJCS Migration)	0
Aging Technology	Windows Server OS Refresh	Refresh of 2008 Operating Systems and Databases	0
Aging Technology	Infrastructure Continuous Process Improvement	Updating infrastructure including SAP update	9
Aging Technology	PC Lifecycle Management	Combined multiyear project for pc refresh	2
Aging Technology	Integration Resiliency	Increase ESB Resileincy	0
Aging Technology	Doble DUC Upgrade	Doble Universal Controller (DUce) Upgrade to Win10	5
Aging Technology	ARCS Replacement – Meter Reading Optimization	Replace ARCS with newer meter routing software	0
Aging Technology	BI Environment Refresh	BI Environment Refresh	0
Aging Technology	Life Cycle Management	(blank)	35
Aging Technology Sum			285
Cyber Security	OT Shared Services	Build OT Infra, Network, Security Shared Services.	3
Cyber Security	Security Technology Refresh	Blanket for security capital efforts and IP camera	15
Cyber Security	Verint Security Camera Server Replacement	Verint Security Camera Server Replacement	2
Cyber Security	Analog Security Camera Upgrade	Security Camera RapidEye Replacement	2
Cyber Security	Enterprise File Encryption	Implement an enterprise file encryption capability	0
Cyber Security	Cyber Security Demand	(blank)	11
Cyber Security Sum			33
Emergent Demand	IT Blanket	Emergent Demand	21
Emergent Demand	IT Blanket - Network Strategy	IT Blanket - Network Strategy	3
Emergent Demand	IT Blanket - Service Delivery		0
Emergent Demand Sum			93
Enhance Capabilities	Automation and Orchestration	2021 Refresh of storage and server hardware	10
Enhance Capabilities	Barcoding System	Asset lifecycle tracking through barcoding system	3
Enhance Capabilities	Bundle for mobility	No BCT	1
Enhance Capabilities		Bundle for wireless devices	2
Enhance Capabilities	Business Systems Enterprise Data Analytics	Funding for new data and analytics investments	6
Enhance Capabilities	Diagnostic Center Ph 5	Expand Diagnostic Center to 14 more plants	1
Enhance Capabilities	Distributed Intelligence (DI) Phase 2	DI Phase 2: Strategy, Blueprint, 2 Apps deployment	2
Enhance Capabilities	DRMS Phase II (Demand Response Management System) Phase II	Complete the Demand Response Management System	6
Enhance Capabilities	eGRC SOx & Compliance 2021	Improve Reg Compliance & Risk Mgmt capabilities	0
Enhance Capabilities	Enterprise Operational Monitoring	Application, hardware monitoring tools	4
Enhance Capabilities	FERC Improvement Project	FERC Data, Process & Reporting Improvement Project	1
Enhance Capabilities	GIS Asset Smallworld Service	Create a GIS service call for Smallworld Querying	0
Enhance Capabilities	Integrated Energy Management Upgrade (IEMU)	Integrated Energy Management Upgrade (IEMU)	5

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Enhance Capabilities	Meter data modeling	Meter data modeling for CFO org	2
Enhance Capabilities	Pocket Sized SAP Work Manager	Pocket Sized SAP Work Manager	7
Enhance Capabilities	Procal Test Equipment Management Software	Install ProCal Management/Calibration Software	0
Enhance Capabilities	PSCo Community Resiliency Initiative	Microgrid/battery storage supporting CRI projects	0
Enhance Capabilities	Strategic Fiber Deployment	Private fiber network for NSPMN & PSCO	12
Enhance Capabilities	Strategic Network Initiatives	Network initiatives	16
Enhance Capabilities	Supply Chain Procure to Pay	SAP Ariba Supply Chain Procure to Pay process	3
Enhance Capabilities	Technology Business Management	Decision making discipline to optimize IT spend	1
Enhance Capabilities	Transmission Asset Health Analytics (TAHA) PH2	TAHA Phase 2	4
Enhance Capabilities	User Modernization	Enhance user process efficiencies	2
Enhance Capabilities	Vertex ECM-Wizard	Exemption Certificate Management System/Wizard	1
Enhance Capabilities	Drone Detection	Drone Detection Tools	1
Enhance Capabilities	APM Phase 2 (Energy Supply)	APM Phase 2 Data integrations	1
Enhance Capabilities	Account Reconciliation	Account Reconciliation Transformation Project	0
Enhance Capabilities	Distribution Scheduling Phase II	Scheduling Process Automation	19
Enhance Capabilities	Distribution and Gas Capital Planning	Distribution and Gas Capital Planning	1
Enhance Capabilities	Field Device Management Solution	Device Management Solution	7
Enhance Capabilities	Hosting Capacity Analysis (HCA)	Supporting DER interconnection capabilities.	7
Enhance Capabilities	SharePoint Architecture Alignment	SharePoint Architectural & Security update	0
Enhance Capabilities	Unifier Next Level	Unifier Integration & PPM Capabilities Expansion	2
Enhance Capabilities	Enterprise Latitude Longitude Management	Capture and share lat and long from best source	0
Enhance Capabilities	IEE 8.2 to 10.0 Conversion	Consolidation of unsupported IEE 8.2 to AMI 10.x	3
Enhance Capabilities	Meter-to-Cash Resiliency Phase II	Meter-to-Cash Resiliency Phase II	10
Enhance Capabilities	MV90xi to IEE conversion	Migrate Large Gas Customers from MV90xi to IEE.	0
Enhance Capabilities	Loss Prevention Tracking	Loss Prevention Tracking	1
Enhance Capabilities	Multi-State Customer Refund Engine	Build Dynamic Customer Refund Engine	1
Enhance Capabilities	Worktool Consolidation	Modernize the Billing Worktool Application	1
Enhance Capabilities	Outage Reporting Without CRS	Enable 24x7 customer outage entry capability	1
Enhance Capabilities	Crew Callout Solution	Provide robust crew callout solution	1
Enhance Capabilities Sum			144
Customer Enhanceme	2020 Handheld Mobile Collector Refresh	Meter reading equipment plus cloud application	1
Customer Enhancements Sum			1
Grand Total			579