

Ameren Missouri 2023 Customer-Focused Capital Investment Summary

\$ - Thousands

Category 1	2023 Actual
Smart, Reliable Grid Operations	795,164
Smart Meter Program	65,715
Non-Nuclear Generation & Environmental	97,214
Nuclear Generation	104,992
Hydro Generation	31,692
Renewable & Gas Turbine Generation*	63,621
<i>New Renewable Generation</i>	30,010
<i>New Dispatchable Generation</i>	2,522
Secure & Reliable Transmission	308,406
Cyber & Technology Upgrades	176,555
Operational & Customer Support Facilities	64,518
Innovative Opportunities	7,377
Grand Total - Capital	1,715,254
Grid Modernization Total	852,748
Ongoing Operations Total	862,506
Grid Modernization Total Percent	<u>49.7%</u>
Smart Meter Program Total (Excluding TOU)	65,275
Smart Meter Program Total Percent	<u>3.8%</u>
Renewable Asset Acquisitions	905
Grand Total, Including Renewable Asset Acquisitions	1,716,159

*Renewable & Gas Turbine Generation is inclusive of New Renewable Generation & New Dispatchable Generation

EXHIBIT 2
PUBLIC 20 CSR 4240-2.135(2)(A)1,6,7 & 8

Ameren Missouri 2023 Customer-Focused Capital Investment Detailed Summary

\$ - Thousands

Category 1	2023 Actual	2023 Plan	\$ Variance	% Variance	Notes*
Smart, Reliable Grid Operations					
Grid Modernization	446,248	471,837	(25,589)	(5.4%)	Under driven by project delays due to storm restoration prioritization
Ongoing Operations	348,916	240,711	108,205	45.0%	Over driven by incremental storm restoration spend
Smart Meter Program					
Grid Modernization	65,715	61,410	4,305	7.0%	
Non-Nuclear Generation & Environmental					
Grid Modernization	3,016	2,085	931	44.7%	
Ongoing Operations	94,198	110,389	(16,191)	(14.7%)	Under driven by delays to the finalization of federal environmental regulations
Nuclear Generation					
Grid Modernization	1,232	2,969	(1,737)	(58.5%)	
Ongoing Operations	103,760	101,652	2,108	2.1%	
Hydro Generation					
Grid Modernization	7,878	19,669	(11,791)	(59.9%)	Under driven by projects deferred due to supply chain/equipment delays
Ongoing Operations	23,814	28,139	(4,325)	(15.4%)	
Renewable & Gas Turbine Generation					
Grid Modernization	25,771	27,465	(1,694)	(6.2%)	
Ongoing Operations	37,850	39,880	(2,030)	(5.1%)	
Secure & Reliable Transmission					
Grid Modernization	263,618	249,970	13,648	5.5%	Over driven by additional generation interconnection agreements
Ongoing Operations	44,788	34,415	10,373	30.1%	Over driven by emergent condition-based upgrades
Cyber & Technology Upgrades					
Grid Modernization	33,932	27,547	6,385	23.2%	
Ongoing Operations	142,623	130,845	11,778	9.0%	Over driven by the implementation of software upgrades
Operational & Customer Support Facilities					
Ongoing Operations	64,518	51,851	12,667	24.4%	Over driven by equipment failures due to aging facilities
Innovative Opportunities					
Grid Modernization	5,338	2,996	2,342	78.2%	
Ongoing Operations	2,039	1,869	170	9.1%	
Grand Total	1,715,254	1,605,699	109,555	6.8%	

Grid Modernization Total	852,748
Ongoing Operations Total	<u>862,506</u>
Grid Modernization Total Percent	<u>49.7%</u>

*Variances greater than \$10M (+/-) are explained.

Smart Meter Program Total (Excluding TOU)	<u>65,275</u>
Smart Meter Program Total Percent	<u>3.8%</u>

Renewable Asset Acquisitions	905
Grand Total, Including Renewable Asset Acquisitions	1,716,159

Ameren Missouri 2023 Customer-Focused Capital Investment Summary - Grid Modernization Projects

Key	
Black Font	Planned 2023 Filing Projects/SWO-Funded Projects/Project Closeouts
Blue Font	Emergent 2023 Projects
Project Status "√"	Projects Placed in Service by 2023
Project Status "S"	Projects with Spend but Not in Service by 2023
Project Status "R"	Rescheduled/To Be Rescheduled Projects

EXHIBIT 2 PUBLIC 20 CSR 4240-2.135(2)(A)1,6,7 & 8

Ameren Missouri 2023 Customer-Focused Capital Investment Summary - Grid Modernization Projects

Category 1	Category 2	Category 3	2023 Project Detail	Project Status	2023 Actual	2023 Plan	Variance		
Smart Reliable Grid Operations	Distribution Operations	Customer Requested	J0215 - 139-3 OTL	✓					
		J11F2 - OTL	✓						
		J1219 - 43 865-43 Relo	✓						
		UEC10768 - 966-4 Relocate	S						
		UEC10508 - Upgrade	S						
		UEC10762 - 34kV/Dist Relocation	✓						
		UEC10831 - 690-57 12kV Ext	✓						
		Customer Requested Total					878	2	876
		Emergent Business	J0RTN - New Feeder Extension 246-003	✓					
		J0NBK - Sec XFMR Serv	✓						
		J0K37 - Sec-Serv	✓						
		J0XKV - 139 extension	S						
		J0291 - Serv	S						
		J0ZDP - 122-4 Bus Park	✓						
		J105V - RESI In-Sub	✓						
		J112B - New SVC	S						
		J133M - 762-01 FOR UPGR	✓						
		J1372 - 987-9 Ext	✓						
		J0XST - 36 Expansion-UG-C	S						
		J1248 - Expansion-UG-C	✓						
J12FN - 432 Primary Ext	S								
J12N2 - 432 Sec-Serv	S								
J12XF - 348-31 Ext	S								
J1346 - 36 Sec Serv	✓								
J136L - Primary Ext	S								
J12X2 - 547-35	S								
UEC10514 - EMERG RPR	S								
UEC11116 -	S								
Emergent Business Total					3 600	373	3 023		
Reliability & NESC	J130X - OTL 102-004	✓							
Reliability & NESC Total					136		136		
Transformers & Tools	UEC10786 - XFMR 2 UPGR	✓							
Transformers & Tools Total					3 036	11 083	(8 047)		
Substation Spares	J0TTL - Spare 18 UPGR XFMR	✓							
J0TZF - Spare 10B 161-34KV Transformer	✓								
J0WMI - Spare 5A 139-2/34kV 112MVA LTC	S								
J0VBQ - SPARE 19X 22MVA Xfmr 34-13.2KV	✓								
J0KXP - Spare 22NDN 34/4kV 14MVA Xfmr	✓								
J0K7B - Spares 148MVA Xfms	✓								
J12FK - SPARE XFMR REWIND 6S.B-13.2KV 22MVA	✓								
UEC10614 - Transformer 1 UPGR	S								
J13D7 - Purchase Spare Circuit Breakers	S								
UEC10635 - Transformer 112MVA Spare 5A 2026	S								
UEC10636 - Transformer 112MVA Spare 5B 2026	S								
UEC10818 - Transformer Spare 22 34/4kV 2024	S								
UEC11092 - Switchgear Spare 12KV & 5/15KV	S								
UEC11093 - Switchgear Spare 38KV	S								
UEC11094 - Transformers Spare 34-12KV & 34-4KV	S								
UEC11112 - Transformer Spares 34-12KV 22MVA	S								
UEC11113 - Switchgear Spares 12KV	S								
UEC11114 - Switchgear Spares 38KV	S								
Substation Spares Total					9 020		9 080		
Distribution Operations Total					16 730	11 660	3 070		
Smart Reliable Grid Operations	Grid Resiliency/Operating Flexibility	Convert 4kV to 12kV	J0IDQ - Sub Second Unit-Sub-C	✓					
		J0IF6 - Sub Second Unit-UG-C	✓						
		J0IF7 - Sub 138-12KV-UG-C	✓						
		J0IID - Sub 138-12KV-Sub-C	✓						
		J0I2C - Sub 138-12KV - Xmon Tap	✓						
		J0I3L - 12KV Sub 2nd Unit-UG-C	✓						
		J0I3P - New 34-12 KV Sub-UG-C	S						
		J0KN8 - New 34-12 KV Sub-UG-C	S						
		J0I07 - Sub 138-12KV-Line-C	✓						
		J0KSM - 12 KV Sub 2nd Unit-Sub-C	S						
		J0KQD - New 34-12 KV Sub-Sub-C	✓						
		J0KQR - New 34-12 KV Sub-Sub-C	S						
		J0N0Q - Pad-mount XFMR-Line-C	✓						
		J0P24 - Pad-mount XFMR-Line-C	✓						
		J0P16 - 103-1 12KV Conversion	S						
		J0P1Q - Area Conversion-Sub-C	S						
		J05GM - 910-4 UPGR	S						
		J05HG - 006-12KV Upgrade	S						
		J05HD - 005-12KV Upgrade	S						
		J05HB - 002-12KV Upgrade	S						
J05GN - 001-12KV Upgrade	S								
J05GV - 005-12KV Upgrade	S								
J05GF - Pad-mount XFMR-Line-C	✓								
J05GD - Pad-mount XFMR-Line-C	S								
J0RFX - New 34-12 KV Sub-Sub-C	✓								
J05H5 - 12 KV Sub-Sub-C	S								
J05GC - 12 KV Sub-Line-C	S								
J0WBX - Sub-UG-C	S								
J024R - 001-12KV Upgrade	S								
J0WBW - Sub-Sub-C	S								
J123X - UG Express Feed	S								
J104R - 289-31	S								
Convert 4kV to 12kV Total					27 174	34 993	(7 821)		

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Category 1	Category 2	Category 3	2023 Project Detail	Project Status	2023 Actual	2023 Plan	Variance
		Line Capacity Increases	J0KNW - 361-51 Momentary Outage Repairs	✓			
			J0P1K - 80 New 34.5 KV Circuit-UG-C	✓			
			J0P1R - 68/71 Reconductor	✓			
			J0P02 - 72 Recon	✓			
			J0P2H - 72 #2 East Reconductor	S			
			J0P26 - 356-53 Reconductor	S			
			J0P1B - relieve feeder 193-51	✓			
			J0P38 - 71-New 34.5KV Circuit	S			
			J0P0X - 161-55 71-53 Recond DA	S			
			J0P3T - 80 New 34.5KV Circuit-Sub-C	✓			
			J0RRW - 77 8 78 Reconductor	✓			
			J0RRZ - 78 Reconductor	S			
			J0SKN - 71 Reconductor-UG-C	S			
			J0SIV - Pad-mount XFMR-Line-C	✓			
			J0SKF - 73 New 34.5KV Circuit-Sub-C	S			
			J0P3F - Relieve 373-52	✓			
			J0T3Z - 73 Reconductor to	✓			
			J0T3X - 630-5	S			
			J0T41 - Reconductor 88	S			
			J0T40 - 72 UPGR	✓			
			J0P1H - 80 New 34.5 KV Circuit-Line-C	✓			
			J0P3D - 73 New 34.5KV Circuit-Line-C	S			
			J0V0C - 207-54 Circuit Improvement	S			
			J0V76 - 186-51 186-51 3-PHS TIE	✓			
			J0VUR - 630-53 Extension Ph3	✓			
			J0WMT - 127-56 3ph Tie	✓			
			J0VTQ - 168-52 3-PHS EXTENSION	✓			
			J0WMP - 191-52 Reconductor Project	✓			
			J0KCL - 844-51 336 Reconductor	✓			
			J0KIQ - Pad-mount XFMR	✓			
			J0KUR - Pad-mount XFMR	✓			
			J0KUS - Pad-mount XFMR	✓			
			J0KXN - 578-51 FDR Relief	✓			
			J12M6 - 73 Express to Line-C	✓			
			J1318 - Upgrade Line for	S			
			J1319 - Upgrade Line for	S			
			J129V - 052 UPGR	S			
			J12NW - 73 Express to Sub-C	✓			
			J0SKV - 71 Reconductor-Line-C.	S			
		Line Capacity Increases Total			9 898	3 937	3 941
		Substation Capacity Increases	J0GDV - 34-12KV-Sub-C	✓			
			J0K3C - Sub Upgr- Sub-C	✓			
			J0K5J - Sub Site Purchase-C	S			
			J0K2B - Substation-Sub-C	✓			
			J0IP4 - CBM UPGR 34.5KV-Line-C	✓			
			J0LD0 - Long Term Plan-Sub-C	✓			
			J0IP8 - Add Xfmr-UG -C	S			
			J0J95 - Add Xfmr-Line-C	S			
			J0IF9 - 138-12KV - Line - C	S			
			J0ID6 - 2nd Unit - Line-C	S			
			J0KQB - Bulk Sub-Line34-C	✓			
			J0GH9 - Sub-Line-C	✓			
			J0KP8 - Sub Upgr - Line - C	S			
			J0J0M - CBM Upgr - Sub - C	✓			
			J0JG8 - Add Xfmr - Sub - C	✓			
			J0IKR - 2nd Unit - Sub - C	S			
			J0KP3 - 2nd Unit - Sub - C	S			
			J0K5B - Bulk Sub-UG-C	✓			
			J0GD5 - Sub-Sub-C	✓			
			J0J7N - 2nd Unit 161/34KV	S			
			J0K5L - Sub Upgr - Sub - C	S			
			J0JH - 2nd Unit - Sub - C	S			
			J0JL1 - 138-12KV - Sub - C	S			
			J0JTT - Upper Transformers	S			
			J0JX7 - Sub-C	S			
			J0PMT - Bulk Sub-Transmission-C	✓			
			J0RWD - Sub UPGR-Sub-C	✓			
			J0S8J - Substation-UG-C	S			
			J0SKK - Sub Upgrade-UG-C	S			
			J0SKL - 34-12 KV Substation-UG-C	S			
			J0S98 - Substation-Line-C	S			
			J0SKW - 34-12 KV Substation-Line-C	S			
			J0SQQ - Sub Upgrade-Line-C	S			
			J0S15 - Pad-mount XFMR-Line-C	✓			
			J0S1W - 34-12KV Sub-Line-C	S			
			J0S9X - Substation-Site-C	S			
			J0S83 - Substation-Sub-C	S			
			J0SK0 - 34-12KV Sub-Site-C	✓			
			J0SKB - Sub Upgrade-Sub-C	S			
			J0SKC - 34-12 KV Substation-Sub-C	S			
			J0SK9 - 34-12KV Sub-Sub-C	✓			
			J0SKD - 34-12KV Sub-Sub-C	✓			
			J0K6C - Sub Distrib Line-C	S			
			J0K5H - Sub Substation-C	✓			
			J0K59 - Bulk Sub-Sub 34KV-C	✓			
			J0SKJ - New 34.5-13.8 KV Sub-UG-C	S			
			J0JXK - Site	✓			

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Ameren Missouri 2023 Customer-Focused Capital Investment Summary - Grid Modernization Projects

Category 1	Category 2	Category 3	2023 Project Detail	Project Status	2023 Actual	2023 Plan	Variance
			J0KX - Sub Upgr W Unit-Sub-C	✓			
			J0K9 - Sub UPGR W Unit-Sub-C	S			
			J0K1 - Sub Upgr Sub-Site-C	R			
			J0K7 - New 34.5-13.8 kV Sub-Sub-C	S			
			J0TR - Sub-C	S			
			J0V4 - -12kV Sub-Site-C	S			
			J0V7 - New 34.5-13.8 kV Sub-Site-C	S			
			J0WP - Sub Upgr W Unit-UG-C	✓			
			J0W0 - Sub-Site-C	✓			
			J0WC1 - Substation-Sub-C	✓			
			J0WC3 - New Sub-Sub-C	S			
			J0WH - New Sub-Site-C	✓			
			J0X1 - Sub Upgrade-Site-C	S			
			J0WC0 - Substation-Line-C	✓			
			J0WV - Upgrade XFMR Low-Side	S			
			J0W9 - -34.5kV-Line	S			
			J116L - Substation Upgrade	S			
			J116F - Sub Upgr W unit and Swgr	S			
			J116J - 12 kV Upgrade-Line-C	S			
			J0L85 - Sub	S			
			J0S2 - Sub Xman Lines-C	S			
			J112B - Sub UPGR Site-C	S			
			J11KM - Substation-Line2-C	✓			
			J12XS - Sub - UG - C	S			
			J116K - 12 kV Upgrade-69KVSub	S			
			J11HW - 12 kV Upgrade-Sub-C	S			
			J129R - XFMR Upgrade	✓			
			J129S - XFMR Upgrade	✓			
			J129T - Upgrade Sub-C	S			
			J12J9 - Upgrade Site-C	S			
			J12VV - New 138-25kV sub-Site-C	S			
			J135L - Demolition	✓			
			UEC10815 - Substations-Line3-C	S			
			UEC10980 - Upgrade Sub-C	S			
			UEC10772 - New Cust Sub-Site-C	S			
			UEC10854 - 11 kV Sub-Site2-C	S			
			UEC10310 - 34 XFMR 2 Upgrade	S			
			UEC10850 - UPGR-Sub-C	S			
			Substation Capacity Increases Total		92 330	98 208	(9 878)
			Switches				
			J0NDS - DCD - UPGR 34kV Switches	✓			
			J0Z92 - East Res Serv	✓			
			Switches Total		1 276	2 172	(896)
			Subtransmission Switch Upgrades				
			Subtransmission Switch Upgrades Total				
			Grid Resiliency/Operating Flexibility Total		130 678	142 438	(11 760)
			Smart Grid				
			Cutout Recloser				
			J0J18 - DCD - UPGR Tripover Reclosers	✓			
			Cutout Recloser Total		2 964	2 926	38
			Distribution Automation				
			0A317 - DCD - UPGR Line Capacitor Controls	✓			
			0A318 - DCD - DA Program	✓			
			J0J1R - Nulec SWO	✓			
			J0R47 - DA -74 UPGR	✓			
			J0N2M - Telecom for Overhead	✓			
			J0VCS - SWGR	✓			
			J0VHG - DA - 401 SWGR	✓			
			J0VHG - DA - 401 SWGR	✓			
			J0T2S - 71 34kV Switch UPGR	✓			
			J0Z7F - DA	✓			
			J0Z7E - DA	✓			
			J0ZQL - DA	✓			
			J0XVL - DA	✓			
			J121P - DA	✓			
			J121X - DA	✓			
			J121T - DA	✓			
			J118K -	S			
			J120B - 73 34kV IR Upgr	✓			
			J121Q - DA	✓			
			J1243 - DA	✓			
			J12DC - 73 Viper Upgr	✓			
			UEC10788 - DA	✓			
			J1311 - For Viper	S			
			UEC10624 - FDR Viper	S			
			J0XPV - SWPD22337 Upgrade.	S			
			J0XPW - SWPD23347 Upgrade.	S			
			J0XPX - SWPD30868 Upgrade.	S			
			J0J18 - Viper SWO.	✓			
			Distribution Automation Total		25 342	16 271	9 071
			Fault Circuit Indicators				
			J0J6S - DCD - UPGR Backbone FCIs	✓			
			J0J16 - DCD - UPGR Terminal Pole FCIs	✓			
			Fault Circuit Indicators Total		4 044	4 168	(124)
			Fiber/Wireless				
			J0L8F - Sub Network Equipment	S			
			J0L8H - Fiber Installation	S			
			J0M1V - Private LTE MO Metro-UEC	S			
			J0R0N - MO PLTE EPCore	✓			
			J0S16 - PLTE Metro Site	✓			
			J0SPW - PLTE Metro Site	✓			
			J0V4B - PLTE Metro Site 131-034UG	S			
			J0S13 - PLTE Metro Site 131-042	S			
			J0V4G - PLTE Metro Fiber 131-018GR	✓			

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Category 1	Category 2	Category 3	2023 Project Detail	Project Status	2023 Actual	2023 Plan	Variance	\$ - Thousands
			J0V4H - PLTE Metro Fiber 151-032CH	✓				
			J0V48 - PLTE Metro Site 151-033	✓				
			J0V4D - PLTE Metro Fiber 151-0330T	✓				
			J0V47 - PLTE Metro Site 151-010FR	✓				
			J0V49 - PLTE Metro Site 151-141F	✓				
			J0V4F - PLTE Metro Fiber 151-0141F	✓				
			J0SK2 - PLTE Metro Site 141-002	S				
			J0W97 - PLTE Metro Site 151-033FR	✓				
			J0W9F - PLTE Metro Fiber 151-033FR	✓				
			J0W9R - PLTE Metro Fiber 151-010FR	✓				
			J0W9S - PLTE Metro Site 151-0071F	✓				
			J0W9Z - PLTE Metro Site 151-0061F	S				
			J0W9A - PLTE Metro Site 151-0231F	✓				
			J0W95 - PLTE Metro Site 151-0281F	✓				
			J0W96 - PLTE Metro Site 151-0131F	S				
			J0W9B - PLTE Metro Fiber 151-0071F	✓				
			J0W9C - PLTE Metro Fiber 151-0231F	✓				
			J0W9D - PLTE Metro Fiber 151-0281F	✓				
			J0W9P - PLTE Metro Site 151-0231F	✓				
			J0W9Q - PLTE Metro Fiber 151-0231F	✓				
			J0W99 - PLTE Metro Site 141-040NE	✓				
			J0W9G - PLTE Metro Fiber 141-040NE	S				
			J0V01 - Modem UPGR	✓				
			J0X1H - PLTE Metro Site 151-036MK	S				
			J0X1J - PLTE Metro Site 151-038MK	S				
			J0X1L - PLTE Metro Site 151-001MK	S				
			J0Z14 - PLTE Metro Fiber 151-042MK	S				
			J0Z1H - PLTE Metro Fiber 151-038MK	S				
			J0Z1W - PLTE Metro Fiber 151-038MK	S				
			J0X1G - PLTE Metro Site 151-011MK	S				
			J0Z1X - PLTE Metro Site 151-021MK	S				
			J0Z1G - PLTE Metro Site 151-026	S				
			J0Z1P - PLTE Metro Fiber 151-016GR	R				
			J0Z1M - PLTE Metro Fiber 151-012GR	S				
			J0Z19 - PLTE Metro Site 151-016GR	S				
			J0Z1R - PLTE Metro Fiber 151-019DT	S				
			J0Z1S - PLTE Metro Fiber 151-020DT	R				
			J0Z1C - PLTE Metro Site 151-019DT	S				
			J0Z1D - PLTE Metro Site 151-020DR	S				
			J0Z1G - PLTE Metro Site 151-003	S				
			J0Z1J - PLTE Metro Site 151-037	✓				
			J0Z13 - PLTE Metro Fiber 151-0058K	S				
			J0Z18 - PLTE Metro Site 151-012BR	S				
			J0X1K - PLTE Metro Site 151-031CH	S				
			J0Z1T - PLTE Metro Fiber 151-022CH	S				
			J0K1C - PLTE Metro Site 151-008EL	S				
			J0X1F - PLTE Metro Site 151-009EL	S				
			J0Z10 - PLTE Metro Fiber 151-009EL	S				
			J0Z12 - PLTE Metro Fiber 151-008EL	S				
			J0Z17 - PLTE Metro Site 151-004EL	S				
			J0Z1F - PLTE Metro Site 151-041EL	S				
			J0X1D - PLTE Metro Site 151-003FR	S				
			J0Z1X - PLTE Metro Fiber 151-003FR	✓				
			J0Z1V - PLTE Metro Fiber 151-024FR	✓				
			J0Z18 - PLTE Metro Site 151-017FR	S				
			J0Z1Z - PLTE Metro Site 151-024FR	✓				
			J0Z1V - PLTE Metro Site 151-030FR	S				
			J0Z1K - PLTE Metro Site 141-029	S				
			J0Z11 - PLTE Metro Fiber 141-039NE	S				
			J0Z1N - PLTE Metro Fiber 141-002NE	S				
			J1153 - MO Private LTE- Urban	S				
			J11X4 - PLTE Metro Site Purchase 151-0431F	✓				
			J114Z - MO Private LTE-Rural	S				
			J120R - PLTE Metro Site 151-022CH	S				
			J120Q - PLTE Metro Site 151-0431F	S				
			J11W1 - Fiber	S				
			J11W1 - Fiber	S				
			J11W1 - Fiber	S				
			J11W5 - Fiber	✓				
			J1343 - PLTE Metro Fiber 151-011MK	S				
			J1344 - PLTE Metro Fiber 151-013BR	S				
			J121Z - PLTE Metro Site 151-013BR	S				
			UEC10881 - PLTE Metro Fiber 151-031CH	S				
			J11W1 - Fiber J11WN	✓				
			J0X1B - PLTE Metro Site 141-039NE	S				
Fiber/Wireless Total					36 323	35 272	(18 949)	
LED Street Lighting								
LED Street Lighting Total					11 302	9 953	1 349	
SCADA Upgrades								
			J0114 - Add SCADA	✓				
			J0155 - Add Scada	S				
			J01TV - Add Scada	S				
			J015K - Add Scada	✓				
			J01T7 - Add Scada	✓				
			J0K29 - Add Scada	✓				
			J015T - Add Scada	S				
			J01T3 - Add Scada	S				
			J01RV - Switchgear UPGR	✓				

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Category 1	Category 2	Category 3	2023 Project Detail	Project Status	2023 Actual	2023 Plan	Variance
			J01T2 - SWGR UPGR-Sub-C	✓			
			J0XN3 - Switchgear UPGR-Line-C	✓			
			J0XWS - Switchgear Upgrade-Line-C	✓			
			J0JRP - Switchgear UPGR-Sub-C	✓			
			J0K2D - Add Scada-Sub-C	✓			
			SCADA Upgrades Total		3 104	2 240	864
			Smart Grid Total		83 079	90 830	(7 751)
	Substations - Condition Based Modernization	OCB Upgrades	J0GR5 - OCB UPGR 34kV POS 19	✓			
			J0KQH - OCB Upgr Sub-Sub-C	✓			
			J0KRN - OCB -161/34kV XFMR 1	✓			
			J0KR2 - OCB -34kV POS 710	✓			
			J0K52 - OCB -138/34kV POS 04 XFMR 2	✓			
			J0KR0 - OCB -161/34kV XFMR 2	✓			
			J0KR2 - OCB -34kV	✓			
			J0KRM - OCB -69kV	✓			
			J0ROM - OCB Upgr Sub-UG-C	✓			
			J0RKW - OCB FDR UPGR phase II	✓			
			J0T02 - OCB UPGR	✓			
			J0QML - OCB Sub UPGR 6	✓			
			J0KQK - OCB 138/34 XFMR 3-Sub-C	✓			
			J0WRN - OCB-UPGR Pos 730 782 788	✓			
			J0WT4 - OCB-UPGR Xfmr 1 SF6	✓			
			J0WT5 - OCB-UPGR 873-071	✓			
			J0WT6 - OCB-UPGR POS 21	✓			
			J0WT7 - OCB-UPGR Xtr 1&3 main Bkr	✓			
			J0KQ5 - OCB -34 SUB	✓			
			J0K3C - OCB-UPGR positions 15 17 19	✓			
			J109X - OCB-UPGR POS 11 -72	✓			
			J109Z - OCB-UPGR POS 320 -71	✓			
			J10B1 - OCB-UPGR 34kV 321 326	S			
			J10B3 - OCB-UPGR POS 723&780	✓			
			UEC10731 - OCB-UPGR 3 positions	S			
			UEC10763 - OCB-UPGR 711 & 793	S			
			UEC1084 - OCB-UPGR 6332	S			
			OCB Upgrades Total		1 623	4 916	(2 893)
		Relay Upgrades	J0JH - Relay Upgr Substation - XFMR 1	✓			
			J0JH - CSM 34 Sub Upgr Relays	✓			
			J0JL - Relay Upgr Sub-Sub-C	S			
			J0JV - Relay Upgr Sub-XFMR W	S			
			J0JWZ - Relay Upgr -69-161/69kV XFMR	S			
			J0JX3 - Relay Upgr 34 Sub-XFMR 3	S			
			J0JTS - Relay Upgrades	✓			
			J0JG7 - Relay Upgr Switchgear-SUB-C	✓			
			J0JV1 - Relay UPGR Substation NW	✓			
			J0W0D - Substation Relay Upgrades	✓			
			J0W0G - Substation Relay Upgr	✓			
			J0W0H - Substation Relay Upgr	✓			
			J0W0K - Substation Relay Upgrades	✓			
			J0X6G - Substation Relay Upgrades	✓			
			J0X6H - Substation Relay Upgrades	✓			
			J0X6J - Substation Relay Upgrades	S			
			J0X6K - Xfmr Relay Upgrades	S			
			J0X6M - Xfmr Relay Upgrades	S			
			J0X6Q - Xfmr Relay Upgrade	✓			
			J0X6R - Xfmr Relay Upgrade	✓			
			J0JWP - Sub Relay Upgrades	✓			
			J0JX9 - Road Sub Relay Upgrades	✓			
			J0XQ9 - Substation Relay Upgrades	✓			
			J0XQB - Substation Relay UPGR	✓			
			J0XQC - Substation Relay Upgrade	✓			
			J0XQD - Substation Relay Upgrades	✓			
			J0XQF - Substation Relay Upgrades	✓			
			J0XQG - Substation Relay UPGR	✓			
			J1075 - Sub Relay Upgrades	S			
			J1077 - Sub Relay Upgrades	S			
			J107V - Sub Relay Upgrades	S			
			J118B - Sub Relay Upgrades	✓			
			J118C - Sub Relay Upgrades	✓			
			J118D - Sub Relay Upgrades	✓			
			J118J - Sub Relay Upgrades	S			
			J12FR - Sub Relay Upgrades	S			
			J12HR - Sub Relay Upgrades	✓			
			J133N - Sub Relay Upgrades	S			
			J133P - Sub Relay Upgrades	S			
			J133S - Sub Relay Upgrades	S			
			J133T - Sub Relay Upgrades	S			
			J133Z - Sub Relay Upgrades	S			
			J133E - Sub Relay Upgrades	S			
			J133Q - Sub Relay Upgrades	S			
			J133R - Sub Relay Upgrades	S			
			J133X - 12 Sub Relay Upgrades	S			
			UEC10448 - Sub Relay Upgrades	S			
			UEC10449 - Sub Relay Upgrades	S			
			UEC10451 - Sub Relay Upgrades	S			
			UEC10453 - Sub Relay Upgrades	S			
			UEC10454 - Sub Relay Upgrades	S			

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Category 1	Category 2	Category 3	2023 Project Detail	Project Status	2023 Actual	2023 Plan	Variance
			UEC10847 - Sub Relay Upgrades	S			
			UEC10848 - Sub Relay Upgrades	S			
			Relay Upgrades Total		4 136	4 383	[247]
			Sub/Switchgear Upgrades				
			DA664 - SWO-Dist Sub-Con Based	✓			
			OR000 - SWO-DIST, SUBS - T&DD - E63	✓			
			J08LM - CBM Sub-Sub-C	✓			
			J0CGS - CBM Sub Site	S			
			J0CHA - CBM Sub-C	✓			
			J0CHB - CBM Sub-Sub-C	✓			
			J0CH6 - CBM Sub-Sub-C	S			
			J0CXX - CBM Unit W-SUB-C	✓			
			J0CLV - CBM Unit W-UG-C	✓			
			J0H83 - Point	✓			
			J0J1C - Upgr Xfmr #1	✓			
			J0J1F - CBM Sub - Add Scada	✓			
			J0JKQ - CBM Sub-Sub-C	✓			
			J0JFX - CBM UG-C	S			
			J0J0V - Bulk Sub Upgr - UG - C	S			
			J0CM7 - CBM Sub-UG-C	S			
			J08GJ - CBM Sub-UG-C	S			
			J0JML - CBM Line - C	S			
			J08FR - CBM Sub-Line-C	✓			
			J0K9S - CBM Sub - Line - C	S			
			J0J0H - CBM-UPGR sub D	S			
			J0KCN - CBM Sub - C	S			
			J0CGW - CBM Sub Upgr	✓			
			J0JGD - CBM Sub - C	✓			
			J0J13 - Upgr Xfmr #1	✓			
			J0JKS - Sub Upgr - Sub - C	S			
			J0JKV - CBM Sub - C	✓			
			24348 - CBM Sub-Sub-C	S			
			J0JRS - Add SCADA	✓			
			J0J56 - CBM Sub - C	S			
			J0J5D - Add Scada	S			
			J0J74 - Add SCADA	✓			
			J0J76 - 12 - Add SCADA	✓			
			J0J79 - Upgr Xfmr #2	S			
			J0J7C - Add SCADA	✓			
			J0K2B - Add SCADA	✓			
			J0JGN - Add Scada	✓			
			J0J5Q - Add Scada	✓			
			J0J70 - Add Scada	✓			
			J0J7L - Add Scada	✓			
			J0K06 - 12 - Add Scada	✓			
			J0K5F - Sub - Sub - C	S			
			J0J12 - Add Scada	S			
			J0J7F - Add Scada	S			
			J0J7J - Add Scada	✓			
			J0K5D - Switchgear	S			
			J0P2V - CBM Upgr UG-C	S			
			J0P17 - Pad-mount XFMR-Line-C	S			
			J0P2Q - Pad-mount XFMR-Line-C	S			
			J0NZH - CBM Sub Upgr LINE-C	✓			
			J0P4X - CBM UPGR Xfmr 1	✓			
			J0P0Q - CBM Upgr LINE-C	S			
			J0P56 - Xfmr W UPGR	S			
			J0P57 - Xfmr W UPGR	S			
			J0H3J - CBM Site-C	✓			
			J0QNW - CBM SITE-C	✓			
			J0NZJ - CBM UPGR-UG-C	S			
			J0P0S - CBM UPGR-Line-C	S			
			J0P1N - CBM Sub Upgr-Sub-C	S			
			J0S1W - CBM Sub-Sub-C	✓			
			J0J17 - Upgr Xfmr #2	✓			
			J0QXF - Spare 10A-2 161-34KV Transformer	✓			
			J0CHF - CBM UPGR Swgr-Sub-C	✓			
			J0P26 - CBM Sub Upgrade-UG-C	S			
			J0NWS - CBM Sub Upgrade-Line-C	S			
			J0P33 - CBM Sub Upgrade-Sub-C	S			
			J0CHM - CBM Sub-Sub-C	S			
			J0P37 - CBM Rebuild-Sub-C	S			
			J0P43 - CBM Upgrade - Sub - C	S			
			J0NWP - for Substations	✓			
			J0S0Q - Sub Upgrade - Line - C	S			
			J0S0G - Pad-mount XFMR-Line-C	S			
			J0S0T - 004 Upgrade	S			
			J0S0Q - 002 Upgrade	S			
			J0S0R - 003 Upgrade	S			
			J0SHL - CBM Sub Modernize-Sub-C	S			
			J0G9Q - CBM SWGR UPGR W-UG-C	S			
			J0P3X - CBM Sub Upgrade LINE-C	S			
			J0CHK - CBM SWGR UPGR W-Sub-C	S			
			J0NLX - UPGR XFMR 8	✓			
			J0P3V - 1 UPGR	S			
			J0P4L - 1 UPGR	S			
			J0P44 - 2 UPGR	✓			
			J0P4C - 2 UPGR	✓			

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Category 1	Category 2	Category 3	2023 Project Detail	Project Status	2023 Actual	2023 Plan	Variance
			JOP40 - CBM 3 UPGR	✓			
			JOP41 - CBM Sub UPGR	✓			
			JOP3W - CBM 4 UPGR	S			
			JOP4H - CBM Sub UPGR Sub-C	S			
			JOP43 - CBM 1 UPGR	S			
			JOP49 - CBM 3 UPGR	S			
			JOPX8 - CBM UPGR Swgr 1	✓			
			JOP3L - CBM Sub Upgr-SUB-C	✓			
			JOG26 - CBM Sub CTL House-SUB-C	✓			
			JONM3 - CBM Sub UPGR Sub-C	✓			
			JOP40 - CBM Sub Upgr-SUB-C	✓			
			JOTPX - CBM Sub-UG-C	✓			
			JOTX9 - CBM -UPGR XFMR W SWGR W-UG-C	✓			
			JOV9R - CBM - UPGR Both SWGR-UG-C	✓			
			JOIG9 - CBM - UPGR Both SWGR-Sub-C	✓			
			JOX08 - CBM Sub-Sub-C	S			
			JOS1F - CBM Swgr UPGR	✓			
			JOCHL - CBM Swgr UPGR-Sub-C	✓			
			JOT7D - CBM -UPGR XFMR W SWGR W-SUB-C	✓			
			JOV5D - CBM Sub-Site	S			
			JOV32 - CBM Sub Property Purchase	✓			
			JO5D - CBM Add Scade-Sub-C	✓			
			JOTPW - CBM Sub-Line-C	✓			
			JOCFN - CBM Swgr UPGR-Line-C	✓			
			JOCBM - CBM SWGR W-LINE-C	S			
			JOP5J - CBM 1 UPGR-Sub-C	S			
			JOV10 - CBM -Add Scade UPGR Swgr	S			
			JOS1H - CBM UPGR Sub-Sub-C	S			
			JOP31 - CBM - UPGR Sub-UG-C	S			
			JOP33 - CBM Sub UPGR-Sub-C	S			
			JOXB8 - CBM - UPGR XFMR	✓			
			JOZ78 - CBM Sub UPGR SWGR W-UG-C	S			
			JOXQK - CBM Pad-mount-XFMR- Line-C	S			
			JOD2C - CBM Pad-mount XFMR- Line-C	S			
			JOXFW - CBM 1 UPGR-Line-C	✓			
			JOP48 - CBM Sub UPGR-Sub-C	S			
			JOP46 - CBM Xfmr W UPGR-Sub-C	✓			
			JOM66 - CBM Sub Upgrade-Site-C	✓			
			JOXNC - CBM Sub Upgrade-Site	S			
			JOXV3 - CBM Sub UPGR Swgr W-Sub-C	S			
			J112M - CBM 2 UPGR	✓			
			J11WB - CBM - Swgr UPGR-UG-C	✓			
			JOS1N - CBM Sub UPGR-Line-C	✓			
			JOS1V - CBM Sub UPGR-Sub-C	✓			
			JOX2F - CBM - Add Scade-Sub-C	S			
			JOP4W - CBM - Swgr UPGR-Sub-C	✓			
			JOX15 - CBM Sub UPGR-Site-C	✓			
			J11RQ - CBM Sub Upgrade-Site-C	S			
			J11VS - CBM Sub Upgrade-Sub-C	S			
			JOP3C - CBM UPGR-Sub-C	S			
			J122J - CBM Sub Modernize-Line-C	S			
			JOVH0 - CBM Sub UpgrLINE-C	✓			
			J11VV - CBM Substation Capacitor Banks 2	✓			
			J12LC - CBM XFMR UPGR	✓			
			J12QR - CBM UPGR reclosers	S			
			J12R3 - CBM Bulk Sub Upgr -C	S			
			J12R4 - CBM Bulk Sub Upgr -C	S			
			J12R5 - CBM Bulk Sub Upgr -C	S			
			J12R6 - CBM Bulk-mount Sub-Sub-C	S			
			J12R8 - CBM Sub W Upgrade	S			
			J12QX - CBM UPGR-Line-C	S			
			J129C - CBM Xfmr W UPGR-Line-C	✓			
			JOS14 - CBM Sub Modernize-UG-C	S			
			J112D - CBM Sub Upgrade-UG-C	S			
			J12PR - CBM Breaker UPGR 15kV	S			
			UEC10616 - CBM Sub UPGR Unit W	S			
			UEC10846 - CBM 12 UPGR Sub	S			
			Sub/Switchgear Upgrades Total		77 836	82 656	(4 820)
			Substation Spill Control				
			UEC10761 - CBM Remediation - capital	S			
			Substation Spill Control Total		325		325
			Substations - Condition Based Modernization Total		83 920	91 553	(7 633)
			System Hardening				
			Subtransmission Upgrades				
			JO1NX - CBM UPGR	✓			
			JONV9 - CBM -71 Recon PH 2	S			
			JOM43 - CBM -74 Upgrade	✓			
			JOQBK - CBM 74 PH 2	S			
			JOQBJ - CBM 71 PH 2	✓			
			JONTW - CBM 162-56	✓			
			JONRD - CBM -77 Improve Circuit Reliab Ph2	✓			
			JONTF - CBM -71 Improve Circuit Reliab Ph 1	✓			
			JONT9 - CBM -74 Circuit Improvement	✓			
			JONQZ - CBM 44 Pole UPGR Phase 2	✓			
			JONR0 - CBM 44 Pole UPGR Phase 3	✓			
			JONR4 - CBM Phase 3	✓			
			JONR1 - CBM -44 Pole UPGR Phase 4	S			
			JONR5 - CBM 4	S			
			JONRG - CBM -71 34kV Rebuild	S			
			JOP32 - CBM Sub-C	✓			

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Category 1	Category 2	Category 3	2023 Project Detail	Project Status	2023 Actual	2023 Plan	Variance
			J0Q5X -75 Upgrade PH 2	✓			
			JORLK -76 & -80 Reconductor	✓			
			JONR6 -72 Circ UPGR	S			
			JONR7 -77 Circ UPGR	✓			
			J0TV9 -77 Circ UPGR SUB	✓			
			J0TVM -77 Circ UPGR	✓			
			J0V60 -74 Improve Reliability-UG-C	✓			
			J0V6W -74 Improve Reliability-Sub-C	✓			
			J0VTR -73-76 Insulator Upgrade	S			
			J0V50 -73 34kV Reconfg	✓			
			J0VLS -73 Static Protection	✓			
			J0VTP -76 Circuit Perf Improvement	S			
			J0V59 -77 74 Reconductor	✓			
			J0V5B -80 79 Reconductor	S			
			J0VTS -75/80 Circ UPGR	✓			
			J0WHM -75 UPGR	✓			
			J0WHN -75 UPGR	S			
			J0V58 -74 Circuit Improvement Ph2	S			
			J0WMM -73 Relocation	S			
			J0NT0 -73 34kV UPGR	✓			
			J0NRH -72 34kV UPGR	S			
			J1079 -72 34kV UPGR	S			
			J1077 -76 Phase B	S			
			J1071 -71 UPGR	S			
			J1093 -74	S			
			J0XN9 -73 UPGR	S			
			J104L -75 Upgrade	S			
			J1080 -74 SYSTEM HARDENING	S			
			J0ZQ3 -71 34kV tap	S			
			J107C -71 34kV Storm Hardening	S			
			J1083 -76 34kV UPGRD	S			
			J0Z2Z -72 Upgr - Line C	S			
			J12P4 -71 Circuit UPGR	S			
			J1010 -76 Upgr ROW	S			
			J0NVL -73 Reconducto	S			
			J11KJ -74 UPGR Sub	S			
			J12FK -77 Relo -UG-C	S			
			J12FZ -77 Relo -UG-C	S			
			J107B -72 34kV Storm hardening	S			
			UEC1119 -83/84 UPGR	S			
			UEC10819 -81 UPGR	S			
		Subtransmission Upgrades Total			41 456	44 347	[2 891]
	System Hardening Total				41 456	44 347	[2 891]
	UG Cable Upgrades	OH to UG	23412 - OTU 343-54	S			
			J0KN3 - OTU 267-52 Ph 2	✓			
			J0K64 - OTU 165-56 UG	S			
			J0K63 - OTU 165-56	S			
			24007 - OTU 343-54	S			
			24132 - OTU 648-54	S			
			J0N44 - OTU 892 CERT	✓			
			J0V4Q - OTU 256-99	S			
			23374 - OTU 141-6	S			
			J0K63 - OTU 165-54	✓			
			J0SWV - OTU 167-33 CERTS	✓			
			J0WZK - OTU 197032	✓			
			J0WZ2 - OTU 259-58	S			
			J0X00 - OTU 051 COH	S			
			J0X03 - OTU 729-57	S			
			J0X04 - OTU 32 COH	S			
			J0X06 - OTU 139-6	S			
			J0X08 - OTU 230-56 UG	S			
			J0X81 - OTU 72 34kV	✓			
			J0X01 - OTU 54 COH	S			
			J0X02 - OTU 54 COH	S			
			J0ST3 - OTU 250-33	✓			
			J0KFF - OTU 103-1	S			
			J0XM4 - OTU 103-1 Downs	S			
			J0XQ5 - OTU 34kV	✓			
			J0Z98 - OTU 80 34kV	✓			
			J109T - OTU 53	S			
			J1222 - OTU 197-57	S			
			J1223 - OTU 262-52 Reliability	S			
			J1242 - OTU 855-33	S			
		OH to UG Total			10 633	170	10 463
		UG Cable Upgrades	DAD18 - C-UPGR Program-646	✓			
			J0K93 - C-UPGR 689-53 P2	S			
			J0JRG - C-UPGR 148-10 6936	✓			
			J0JRC - C-UPGR 167-52	✓			
			J0JSC - C-UPGR 373-52 4444-5057	✓			
			J0JM3 - C-UPGR 561-53	✓			
			J0JCM - C-UPGR 214-53	S			
			J0JKB - C-UPGR 689-51	S			
			J0JM9 - C-UPGR 633-57 10130	✓			
			J0SWG - C-UPGR - PILC	✓			
			J0SWL - C-UPGR - PILC	S			
			J0SWR - C-UPGR 356-54	S			
			J0SWT - C-UPGR 351-53 34 For	✓			

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Category 1	Category 2	Category 3	2023 Project Detail	Project Status	2023 Actual	2023 Plan	Variance
			J0SK0 - C-UPGR 346-51 & 53 FDR	✓			
			J0SK1 - C-UPGR 533-33 53 FDR	✓			
			J0SK3 - C-UPGR 360-51 & 52 FDR	✓			
			J0SWC - C-UPGR 251 For PILC (D)	✓			
			J0SWF - C-UPGR 013 PILC (D&V)	✓			
			J0IPV - C-UPGR 203-51	✓			
			J0IQK - C-UPGR 229-52 Est	✓			
			J0IS7 - C-UPGR 343-56	S			
			J0IS8 - C-UPGR 343-51	✓			
			J0ISH - C-UPGR 343-56	S			
			J0TND - C-UPGR 251 For PILC (W)	✓			
			J0TVH - C-UPGR 190-51 & 54 FDR	✓			
			J0VSV - C-UPGR 81	✓			
			J0TNF - C-UPGR 255 For PILC PH A	✓			
			J0TQ8 - C-UPGR 560-56 13344	✓			
			J0ISV - C-UPGR 264-56	✓			
			J0WZQ - C-UPGR 484-52 -2070	S			
			J0WZR - C-UPGR 484-52 -2080	S			
			J0WZ5 - C-UPGR 282055 8272	S			
			J0WZT - C-UPGR 282055 -4793	S			
			J0WZV - C-UPGR 227051 -16814	S			
			J0WZW - C-UPGR 76 For PILC	✓			
			J0XCC - C-UPGR 355-52	S			
			J0XDD - C-UPGR 202 PILC	S			
			J0XDF - C-UPGR 556-53	S			
			J0K78 - C-UPGR 699-53 10584-10597	S			
			J0I83 - C-UPGR 246-56	✓			
			J0I87 - C-UPGR 178-54	✓			
			J0X60 - C-UPGR 464-52 70120	✓			
			J0IQT - C-UPGR 259-56	S			
			J0X08 - C-UPGR 252 PILC	S			
			J0K7D - C-UPGR 699-51 10602-603	S			
			J0XW9 - C-UPGR 393-53&56 PH3	✓			
			J0Z80 - C-UPGR 251-52	✓			
			J0Z81 - C-UPGR 256-54	✓			
			J0Z83 - C-UPGR 259-56	S			
			J0ZCV - C-UPGR 517-51 Int 3762	✓			
			J0ZDG - C-UPGR 282-51	✓			
			J0ZGZ - C-UPGR 280-56 Lat 16881	✓			
			J0ZM9 - C-UPGR 276-52	✓			
			J0ZMB - C-UPGR 384-52 L-9009	✓			
			J1028 - C-UPGR 282-57	✓			
			J103L - C-UPGR 343-59	✓			
			J1041 - C-UPGR 282-5	✓			
			J107X - C-UPGR 577-5	S			
			J1080 - C-UPGR 179-5	✓			
			J102W - C-UPGR 180-53	✓			
			J1113 - C-UPGR 378-57	✓			
			J0SWH - C-UPGR 020 PILC W&D2 PHA	S			
			J0SWJ - C-UPGR 026 - PILC W PH A	S			
			J0ZD9 - C-UPGR -53 Int 22154	✓			
			J11FT - C-UPGR 253-51	✓			
			J1153 - C-UPGR 166-02	✓			
			J1226 - C-UPGR 347-52 & 53	✓			
			J0IR8 - C-UPGR 134-52 30IR8	✓			
			J0ZFO - C-UPGR 190-55	✓			
			J1156 - C-UPGR 136-51	✓			
			J11V4 - C-UPGR 113-59	S			
			J1220 - C-UPGR 115-57	✓			
			J1224 - C-UPGR 875-51	S			
			J1225 - C-UPGR 229-51	S			
			J1245 - C-UPGR 280-51 Ph2	✓			
			J124T - C-UPGR 127-51	S			
			J124X - C-UPGR 957-52	✓			
			J1283 - C-UPGR 393-53&56 PH4	S			
			J128C - C-UPGR -12 949-55	✓			
			J128D - C-UPGR 642-53	S			
			J12F1 - C-UPGR 378-51-55	✓			
			J12HG - C-UPGR 280-55	✓			
			J12HH - C-UPGR 229-51	✓			
			J12HM - C-UPGR 044 PILC	S			
			J12HP - C-UPGR 385-52	S			
			J12HQ - C-UPGR 137-54	S			
			J12IZ - C-UPGR 393-56	S			
			J12QV - C-UPGR 197-52	✓			
			J12XN - C-UPGR 020 PILC V&D1 PH8	S			
			J12XP - C-UPGR 026 - PILC D PH 8	S			
			J12Q5 - C-UPGR 509-56	✓			
			UECL0518 - C-UPGR - UPGR PILC PH A	S			
			UECL0520 - C-UPGR 169-56	S			
			UECL0753 - C-UPGR 169-55	✓			
			UECL0763 - C-UPGR 169-53	✓			
			UECL0764 - C-UPGR Sub-UPGR PILC	✓			
			UECL0919 - C-UPGR 282-58	S			
			J0IR6 - C-UPGR 141-08	S			
		UG Cable Upgrades Total			43 377	51 477	(8 100)
		UG Cable Upgrades Total			34 010	51 647	2 363

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Category 1	Category 2	Category 3	2023 Project Detail	Project Status	2023 Actual	2023 Plan	\$ - Thousands	Variance
	UG Revitalization	Indoor Rooms						
		Indoor Rooms Total				483		(483)
		UG Revitalization	0A321 - 0A321-MDI-Underground Renewal	✓				
			J03P8 - 0A321	✓				
			J0CCF - 0A321 -54 4th St CAB-DA	✓				
			J0CCQ - 0A321 Cond	✓				
			J0FC5 - 0A321 DA-SWGR	✓				
			J0FD6 - 0A321 -60 CAB	✓				
			J0GBB - 0A321	✓				
			J0GBD - 0A321 Conduit	✓				
			J0GBK - 0A321 Conduit	✓				
			J0HMB - 0A321 MH DeCongest	✓				
			J0HP1 - 0A321 XFMR PTO UPR	S				
			J0HP3 - 0A321 Vault	S				
			J0HNZ - 0A321 CAB Upgr	✓				
			J03P6 - 0A321 Cond	✓				
			J0GB8 - 0A321 Conduit	✓				
			J0GBF - 0A321 Ref	S				
			J0GBL - 0A321 Reformation	✓				
			J0HP0 - 0A321 CAB	✓				
			J0J2Z - 0A321 CAB-Sect Upgr	S				
			J0R1 - 0A321 Conduit	✓				
			J0J0R - 0A321 11 ReRoute Cab	S				
			J0J0S - 0A32 4 ReRoute Cab	S				
			J0J0Q - 0A321 52 ReRoute Cab	S				
			J0J0S - 0A321 53 ReRoute Cab	S				
			J0J0T - 0A321 ReRoute Cab	S				
			J0FD8 - 0A321 CAB-Sect Upgr	S				
			J0JFM - 0A321 CON	✓				
			J0KNQ - 0A321 CAB-Sect Upgr	S				
			J0P4P - 0A321 VLT-XFMR CAB UPR	S				
			J0P4R - 0A321 775 PILC Upgr	S				
			J0QQ9 - 0A321 41 UG Loop	S				
			J0R1Q - 0A321 53 Reroute & PILC	✓				
			J0R1L - 0A321 52 PILC & Reroute	✓				
			J0R23 - 0A321 DA Control SWO	✓				
			J0S43 - 0A321 53 Reroute Cab	✓				
			J0GBW - 0A321 Conduit	✓				
			J0I0X - 0A321 Fdr Exit Conduit	✓				
			J0I0Z - 0A321 Vault Revi	S				
			J0TQ2 - 0A321 Diversify	✓				
			J0TQV - 0A321 Cond	✓				
			J0V45 - 0A321 57 Reroute & PILC	✓				
			J0V4J - 0A32 78 UPR	✓				
			J0V7Z - 0A321 54 Reroute & Cable	✓				
			J0WXM - 0A321	✓				
			J0V0V - 0A321 51 Reroute & PILC	✓				
			J0V0V - 0A321 56 Reroute & PILC	✓				
			J0V0V - 0A321 -1 Diversify	S				
			J0XMC - POP - Serv	✓				
			J0XMJ - 0A32 RES	S				
			J0X54 - 0A321 Diversify	✓				
			J0XV0 - RUSL -3 Fault - Emerg Bore	✓				
			J10RT - 0A321 51 Cable Reroute	✓				
			J10S0 - 0A321 58 Cable Reroute	S				
			J1130 - Rep	✓				
			J0XNM - 0A321 -57 Reroute & PILC	S				
			J11KB - 0A321 -74-76 UPR	S				
			J12V3 - 0A321 -54 Reroute Cable	✓				
			J12V3 - 0A321 Cond Upgr	✓				
			J122W - RUSL -UG	S				
			J122X - RUSL -UG	S				
			J122Z - RUSL -UG	S				
			J1300 - RUSL -UG	S				
			J1301 - RUSL -UG	S				
			J1318 - 0A321 Cond	✓				
			J1325 - 0A32 Revi	✓				
			UEC10511 - 0A321 -NW-3 Reformation	S				
			UEC10512 - 0A321 -NW-10 Reformation	S				
			UEC10918 - 0A321 -55 Reroute Cab	S				
			UEC10919 - 0A321 -56 Reroute Cable	S				
			UEC11039 - 0A321 UPR	S				
			J0HP2 - 0A321 -Network PROT PLTE Cab	S				
		UG Revitalization Total				29 138		31 871
		UG Manhole/Vault	0A669 - UG-MH&VLT Upgr-SWO	✓				
			J0D3L - UG-VLT Upgr	✓				
			J0D3N - UG-VLT Upgr	✓				
			J0D3X - UG-VLT Upgr	✓				
			J0D4S - UG-MH UPR	S				
			J0G2M - UG-MH UPR	✓				
			J0G2S - UG-MH Upgr	✓				
			J0G2V - UG-VLT Upgr	✓				
			J0G2Z - UG-VLT Upgr	✓				
			J0H3Q - UG-VLT Upgr	✓				
			J0H3S - UG-VLT Upgr	✓				
			J0H3T - UG-VLT UPR	S				
			J0H41 - UG-VLT Upgr	S				

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Category 1	Category 2	Category 3	2023 Project Detail	Project Status	2023 Actual	2023 Plan	Variance
			J0M4B - UG-VLT Upgr	✓			
			J0M4H - UG-VLT Upgr	✓			
			J0MP3 - UG-VLT Upgr	S			
			J0NK5 - UG-MH Upgr	✓			
			J0721 - UG-VLT UPGR	✓			
			J098N - UG-VLT UPGR	✓			
			J0Q0V - UG-MH Upgr	✓			
			J0Q37 - UG-MH Upgr	✓			
			J0QUR - UG-VLT Upgr	S			
			J0R6X - UG-MH Upgr	S			
			J0R69 - UG-MH Upgr	✓			
			J0RQ2 - UG-MH Upgr	S			
			J0RT6 - UG-MH Upgr	S			
			J0RT7 - UG-MH Upgr	S			
			J0RWB - UG-MH Upgr	S			
			J0RWB - UG-MH Upgr	✓			
			J0RWB - UG-MH Upgr	✓			
			J0RWB - UG-MH Upgr	✓			
			J0RZ8 - UG-MH Upgr	S			
			J0S67 - UG-MH Upgr	✓			
			J0S66 - UG-MH Upgr	S			
			J0737 - UG-MH Upgr	S			
			J07CA - UG-MH Upgr	✓			
			J07CN - UG-MH Upgr	✓			
			J07CF - UG-MH Upgr	S			
			J07GF - UG-MH Upgr	S			
			J07IG - UG-MH Upgr	S			
			J07N1 - UG-MH Upgr	✓			
			J07R1 - UG-MH Upgr	S			
			J07TC - UG-MH Upgr	S			
			J07ZQ - UG-MH Upgr	S			
			J0V3V - UG-MH Upgr	✓			
			J0V3W - UG-MH Upgr	S			
			J0V3X - UG-MH Upgr	✓			
			J0V3Z - UG-MH Upgr	✓			
			J0V4H - UG-MH Upgr	✓			
			J0V92 - UG-MH Upgr	S			
			J0V93 - UG-MH Upgr	S			
			J0V94 - UG-MH Upgr	S			
			J0V95 - UG-MH Upgr	S			
			J0V97 - UG-MH UPGR	S			
			J0V98 - UG-MH UPGR	S			
			J0V99 - UG-MH UPGR	S			
			J0W2V - UG-MH Upgr	✓			
			J0W2X - UG-MH Upgr	S			
			J0W55 - UG-MH Upgr	S			
			J0K22 - UG-MH Upgr	S			
			J0K0X - UG-MH Upgr	✓			
			J0K0Z - UG-MH Upgr	S			
			J0KFO - UG-MH Upgr	S			
			J0KFW - UG-VLT Upgr	S			
			J0KKG - UG-MH Upgr	S			
			J0KPS - UG-MH Upgr	S			
			J0KR4 - UG-MH Upgr	✓			
			J0Z7F - UG-MH Upgr	S			
			J0Z97 - UG-VLT Upgr	✓			
			J1029 - UG-MH Upgr	✓			
			J10NR - UG-MH Upgr	✓			
			J10TL - UG-VLT Upgr	S			
			J10QZ - UG-MH Upgr	S			
			J11RW - UG-MH Upgr	✓			
			J11RX - UG-VLT Upgr	✓			
			J11RZ - UG-VLT Upgr	✓			
			J11RT - UG-MH Upgr	S			
			J11S0 - UG-VLT Upgr	✓			
			J11S1 - UG-VLT Upgr	✓			
			J11S2 - UG-VLT Upgr	✓			
			J11V0 - UG-MH Upgr	S			
			J11V1 - UG-MH Upgr	S			
			J11ZW - UG-MH Upgr	✓			
			J11Z2 - UG-MH Upgr	✓			
			J1210 - UG-MH Upgr	✓			
			J121F - UG-MH Upgr	S			
			J129F - UG-VLT Upgr	S			
			J12HB - UG-VLT Upgr	S			
			J12NQ - UG-MH Upgr	S			
			J12NR - UG-MH Upgr	S			
			J12NS - UG-MH Upgr	S			
			J1309 - UG-MH Upgr	S			
			J130C - UG-MH Upgr	S			
			UEC10801 - UG-MH Upgr	S			
			UEC10802 - UG-MH Upgr	S			
			UEC10987 - UG-MH Upgr	S			
			UEC10735 - UG-MH Upgr	S			

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				\$ - Thousands			
Category 1	Category 2	Category 3	2023 Project Detail	Project Status	2023 Actual	2023 Plan	Variance
			UECL0736 - UG-MH Upgr	S			
			UECL0737 - UG-MH Upgr	S			
			UECL0738 - UG-MH Upgr	S			
		UG Manhole/Vault Total			7,237	7,004	233
	UG Revitalization Total				36,375	39,360	(2,985)
Smart, Reliable Grid Operations Total					446,248	471,837	(25,589)
Smart Meter Program	Smart Meter Program	Smart Meter Program	J0007 - SMP Elec Meters & Install SWO	✓			
			J0001 - SMP Ntwk Eqpinst	✓			
			J0003 - SMP Ntwk Eqpinst	✓			
			J0004 - SMP Ntwk Eqpinst	S			
			J00G3 - SMP Ntwk Eqpinst	✓			
			J00H8 - SMP MkrRdy	✓			
			J000C - SMP Ntwk Eqpinst	✓			
			J00H4 - SMP MkrRdy	✓			
			J0002 - SMP Ntwk Eqpinst	✓			
			J000F - SMP Ntwk Eqpinst	✓			
			J00H5 - SMP MkrRdy	✓			
			J00H9 - SMP MkrRdy	✓			
			J0005 - SMP Ntwk Eqpinst	S			
			J0L2H - SMP MkrRdy	S			
			J0L2K - SMP MkrRdy	S			
			J0L2M - SMP Excl MkrRdy	✓			
			J0L2Q - SMP Ntwk Eqpinst	S			
			J00DL - SMP Eqpinst	S			
			J0L2L - SMP MkrRdy	S			
			J0L2L - SMP MkrRdy	S			
			J0L2T - SMP MkrRdy	S			
			J0L2N - SMP MkrRdy	S			
		Smart Meter Program Total			65,275	60,929	4,346
		Customer Requirements & Communications	J00WD - SMP Communications	S			
			J0L2V - SMP TOU Web Presentation	✓			
			UECL0630 - SMP TOU System Integration	S			
		Customer Requirements & Communications Total			440	481	(41)
	Smart Meter Program Total				65,715	61,410	4,305
Smart Meter Program Total					65,715	61,410	4,305
Non-Nuclear Generation & Environmental	Grid Performance	Cyber Security Upgrades/New Technologies	20248 - 800A HMI LIFECYCLE UPGR	✓			
			J01NU - Cybersecurity- Priority 1	S			
			J01Q1 - Cybersecurity- Priority 1	✓			
			J129D - Identity Access Mgmt Add	S			
			J129G - Identity Access Mgmt Add	S			
			J128X - MV90 Meter Network	S			
			J128W - MV90 Meter Network Switches	S			
		Cyber Security Upgrades/New Technologies Total			394	1,502	(1,108)
		Exciter Upgrades	J0FJR - HP/LP Exciter Digital FE UPGR	✓			
			J0FJT - HP/LP Exciter Digital FE UPGR	✓			
			J0JQ9 - J0JQ9 Excitation UPGR	S			
		Exciter Upgrades Total			2,622	583	2,039
	Grid Performance Total				3,016	2,085	931
Non-Nuclear Generation & Environmental Total					3,016	2,085	931
Nuclear Generation	Grid Performance	Controls Upgrades for Faster Ramp Rates/Lower Minimums	11293 - Turbine Controls Digital UPGR	✓			
			J0F3W - Digital Feedwater UPGR	S			
			J0PLL - Exciter XFMR UPGR	✓			
		Controls Upgrades for Faster Ramp Rates/Lower Minimums Total			342	14	328
		Switchyard Breaker/Relay Upgrades	J0CW9 - SPV Relay UPGR	S			
		Switchyard Breaker/Relay Upgrades Total			890	2,953	(2,063)
	Grid Performance Total				1,232	2,969	(1,737)
Nuclear Generation Total					1,232	2,969	(1,737)
Hydro Generation	Grid Performance	Cyber Security Upgrades/New Technologies	J1299 - Identity Access Mgmt Add	S			
			J1285 - MV90 Meter Network	S			
			J128T - MV90 Meter Network	S			
			J128V - MV90 Meter Network	S			
		Cyber Security Upgrades/New Technologies Total			37		37
		Exciter Upgrades	J06V6 - EXCITER UPGR	✓			
			J06VL - EXCITER UPGR	✓			
			J06VF - EXCITER UPGR	✓			
			J0KV1 - Exciter Upgr	S			
			J02N0 - Exciter UPGR	S			
			J025V - Exciter UPGR	S			
		Exciter Upgrades Total			2,236	3,782	(1,546)
		GSU Transformer Upgrades	J0KTB - U2 GSU XFMR UPGR	S			
			J03HN - U1 GSU XFMR UPGR	S			
		GSU Transformer Upgrades Total			3,347	15,519	(10,172)
		Switchyard Breaker/Relay Upgrades	J0Q28 - Main Gen Diff Relay & Tot Upgr	S			
		Switchyard Breaker/Relay Upgrades Total			258	368	(110)
	Grid Performance Total				7,878	19,669	(11,791)
Hydro Generation Total					7,878	19,669	(11,791)
Renewable & Gas Turbine Generation	Grid Performance	Cyber Security Upgrades/New Technologies	J1287 - CTG MV90 Meter Network	S			
			J1288 - CTG MV90 Meter Network	S			
			J1289 - CTG MV90 Meter Network	S			
		Cyber Security Upgrades/New Technologies Total			44		44
		Exciter Upgrades	J0KQ2 - CTG Excitation System UPGR	S			
			J0KPK - CTG Excitation System UPGR	✓			
			J0KQ7 - CTG Excitation Systems UPGR	S			
			J07FX - CTG Exciters UPGR	✓			
		Exciter Upgrades Total			1,232	1,900	(648)

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Category 1	Category 2	Category 3	2023 Project Detail	Project Status	2023 Actual	2023 Plan	Variance
		Renewables	JOR19 - Solar Facility	✓			
			JOR18 - Solar Facility	✓			
			JONK3 - Solar Facility	✓			
			JORP3 - REC Facility	S			
			JOX9R - Solar Facility	✓			
			JOX9S - Solar Facility	✓			
			JOXCN - Solar Facility	✓			
			JOZIG - REC Interconnection	✓			
			JOZU - REC Interconnection	✓			
			J114N - REC - Distribution	✓			
			JOZIH - REC Interconnection	✓			
			JOR7H - REC Facility	S			
			JORSI - REC Land	R			
			JOTXT - Solar Facility	✓			
			J11TD - Solar REC Interconnection	S			
			J12KW - Renew Ops Spare 30MVA 34/69kV XFMR	S			
			UECL0830 - Solar Phase 2	S			
		Renewables Total			24,391	23,374	(983)
	Grid Performance Total				25,687	27,274	(1,587)
	Modernization	Physical Security Upgrades	J10XB - CTG Physical Security Upgr	✓			
		Physical Security Upgrades Total			79	191	(112)
	Modernization Total				79	191	(112)
	Reliability	Component Replacements	UECL0935 - CTG Auto Transfer Switch UPGR	S			
		Component Replacements Total			3		3
	Reliability Total				3		3
Renewable & Gas Turbine Generation Total					25,771	27,465	(1,694)
Secure & Reliable Transmission	Grid Performance	Line Reliability Improvements	JOLQ2 - 161kV Line UPGR	✓			
			JOPVR - (161kV) - Reroute	S			
			JOQD3 - Reroute	✓			
			JOQ61 - 345kV Rebuild	S			
			JOQVR - Insulators and ABPDs	S			
			JOPBZ - Line Rebuild	✓			
			JORBN - Rebuild Sub Supply Lines	✓			
			JOSLW - Tie In	S			
			JOHZT - 345kV Line Rold	S			
			JOTJ4 - Re-Route	S			
			JOTQJ - RERTE	✓			
			JOTX6 - Line Rebuild	✓			
			JOV3F - Rebuild	✓			
			JOV80 -	✓			
			JOQ79 - DC 345/161 kV Line	S			
			JOWBH - Reroute	✓			
			JOG90 - 161kV Line Reroute	✓			
			JOX2N - Easement Acquisitions	R			
			JOW8I -	✓			
			JOWBL - Reroutes	✓			
			JOQVV - UPGR Insulators	✓			
			JOTWF - Reroute	✓			
			JOV2N - Reroute	S			
			JOHZ5 - 138 kV	S			
			JOW1W - 345kV Line Rebuild	S			
			JOX9D - Lead Line Re-Config	✓			
			JOXBR - 161kV Line Reroute Tran	S			
			JOXF9 - Aging Infrastructure	✓			
			JOXOF - Reroute	S			
			JOXQW - Reroute	S			
			JOXR3 - Reroute	S			
			JOXRF - Reroute	S			
			JOZD7 - Reroute	S			
			JOZD8 - Reroute	S			
			JOZB9 - Tower UPGR	✓			
			JOZM1 - Tie In	S			
			JOZM2 - 345kV Tie In	S			
			J1094 - 161 kV Reroute	S			
			J10QR - 345 kV Re R	S			
			JOXQ5 - Reroute	S			
			J100F - DC TAP RBLD	S			
			JOZL4 - Reroute	S			
			JOZ1M - Reroute	S			
			JOZ2E - Supply Line Split	S			
			JOZFX - 138 kV Reconstructor	S			
			J10W9 - 161 kV Rebuild	S			
			J104J - 138 kV RECON	S			
			J104K - 138 kV RECON	S			
			J118Q - 161 kV	S			
			JOTQP - Transmission Express DC	S			
			JOZFP - 161 kV SC Rebuild	S			
			J125P - 345kV Reroute	S			
			J12KC - 161kV Conductor	S			
			J125C - OPGW Splice Box	S			
			J133S - Easements	S			
			JOZ3M - UEC	S			
			J12V5 - 161 kV Reroute	S			
			J1227 - 138 kV Prng Pole	S			
			UECL0727 - kV Partial RBLD	S			
			UECL0718 - 138 kV STR UPGR Phase 2	S			

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Category 1	Category 2	Category 3	2023 Project Detail	Project Status	2023 Actual	2023 Plan	Variance
			UEC10721 - 138KV STR	S			
			UEC11064 - 138 KV Reconstructor	S			
			Line Reliability Improvements Total		37 821	34 199	(16 378)
			Mobile Transformers				
			J0H64 - Mobile XFMR 345/138KV-UE	S			
			Mobile Transformers Total		2 409	3 989	(1 580)
			Substation Reliability Improvements				
			J0FS8 - 138KV - Add 2 Line BRK	✓			
			J0H2M - 138KV Ring Bus	✓			
			J0K2N - Add 161KV Line & Tie BRKs	✓			
			J0KW1 - 161 kV 6-Position Ring Bus	✓			
			J0LPO - Add BRKs	✓			
			J0G9L - Sub Add Line BRKs	S			
			J0K2J - 138KV Ring Bus	✓			
			J0K2Q - 138KV Ring Bus	✓			
			J0K2R - RB Line Work	✓			
			J0P8X - 161KV-Add Bus Tie	✓			
			J0P8W - 161 KV Ring Bus	✓			
			J0QVN - Additional Property Purchase	✓			
			J0QX7 - Sub Comms Equipment	✓			
			J0R0H - Comm Equipment	✓			
			J0RSB - Tie-In	✓			
			J0SQ3 - 138KV Capacitor bank	✓			
			J0PWP - Network UPGR	S			
			J0SKW - Property Purchase	✓			
			J0Q77 - 345KV Ring Bus	S			
			J0P3P - 1 UPGR	S			
			J0P3S - 4 UPGR	S			
			J0RFS - XFMR HS Breakers	✓			
			J0PWJ - IF Line POS	S			
			J0TMF - Comm Equipment	✓			
			J0TXG - Relay Upgrades	✓			
			J0TZV - Ring Bus Comm Equipment	✓			
			J0V05 - 69KV Terminal Posn	S			
			J0J7V - Substation Rebuild	✓			
			J0VX8 -	✓			
			J0VX9 -	✓			
			J0VX8 -	S			
			J0V0C -	S			
			J0W1T - 345KV Ring Bus	S			
			J0TMA - Communication Equipment	S			
			J0WMF - Aging Infrastructure	S			
			J0WT2 - Comm Equip	S			
			J0W1R - CT Retap and Relay UPGR	✓			
			J0X1Q - 345KV Aging Infrastructure	S			
			J0WST - 138KV Station UPGRs	S			
			J0WLL - Brkr 1 and 4 UPGR	✓			
			J0K2P - Relay Upgrade	✓			
			J0K2K - Tie-in	✓			
			J0TQK - Comm Equipment	✓			
			J0X06 - Communication Equipment	✓			
			J0X0M - 11107 Reroute	S			
			J0X08 - 11087 Ring Bus	S			
			J0X0G - 1107 Ring Bus (NU)	S			
			J0X0M - 11107 Ring Bus Comms	S			
			J0X0N - 11087 Ring Bus Comms	S			
			J0X0S - 1076 - Ring Bus	S			
			J0X0M - 11107 - IF Position	S			
			J0X0N - 11087 - Property Purchase	S			
			J0XTP - 2nd 345KV XFMR	S			
			J0XTQ - 345KV Bus Upgrade	✓			
			J0XTR - 161KV Cap Bank	S			
			J0X0F - Station Upgrades	S			
			J0Z1N - RB Prop Purchase	S			
			J0Z3D - Ring Bus	S			
			J0Z6T - 1056 IF Position	S			
			J0Z8C - Property	S			
			J0Z1L - 161KV Aging Infrastructure	✓			
			J108N - 161 KV Ring Bus NU J1268	S			
			J10QP - 345 KV (J1145) NU Ring Bus	S			
			J10QQ - 345 KV (J1145) IF Position	S			
			J10QW - 161 KV Ring Bus ADD	S			
			J0XCI - Relay Upgrades	✓			
			J0Z1K - Ring Bus Comms	S			
			J0Z8C - Property	S			
			J0Z8Z - High Side BRKs (2)	S			
			J109S - 161 KV Comm Equip (J1268)	S			
			J10QV - 345 KV (J1145) Property XFER	S			
			J0X0C - Station Upgrades	S			
			J0X0L - 161 Station Upgrades	S			
			J0X0N - Station Upgrades	S			
			J0Z09 - High Side Devices	S			
			J0Z27 - Aging Infrastructure	S			
			J0Z2R - Aging Infrastructure	S			
			J0Z33 - Breaker Addition	S			
			J1016 - 345 KV COMM EQPT	S			
			J10RU - STATCOM Network Comms	S			
			J0K28 - Station Upgrades	S			
			J0Z1Q - Substation Rebuild	S			

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Category 1	Category 2	Category 3	2023 Project Detail	Project Status	2023 Actual	2023 Plan	Variance
			J021R Line Position	S			
			J022K High Side Device	S			
			J023J High Side Device	S			
			J023W Aging Infrastructure	S			
			J0240 XFMR 1 High Side Device	S			
			J0248 Aging Infrastructure	S			
			J02G5 138 KV MTM EXP	S			
			J10D5 138 KV AI	S			
			J10D6 138 KV Aging Infrastructure	S			
			J0W4V Station UPGR	S			
			J0KJ2 34.2KV Feeder	✓			
			J0KQK (11087) 161 KV IF POS	S			
			J0XR3 (J987) 161 KV IF POS	S			
			J0V3P 161KV BAAH	S			
			J0XUJ 138KV Station Upgrades	S			
			J0XWV Station Upgrades	S			
			J021W Aging Infrastructure	S			
			J0238 161 kv Ring Bus	S			
			J023H Aging Infrastructure	S			
			J0242 161 Aging Infrastructure	S			
			J104K 345 Aging Infrastructure	S			
			J1044 161 KV Property Transfer	✓			
			J113H 345KV Property Acquist	S			
			J117D 345 KV GEN Bus (J956/1026) MP	S			
			J118P 345 KV (1026) IF Pos	S			
			J11NB 161KV Ring Bus IF (11268)	S			
			J1230 138 KV AI	S			
			J12DK 345/138 KV COMM EQUIP	S			
			J12DP STATCOM Network Comms	S			
			J12FW 4 Line Switches	S			
			J12TB 345 KV CCVT UPGR	S			
			J12V2 161 KV Property Acquisition	S			
			J0K59 (J976) 345 KV IF POS	S			
			J029K 161 kv Property Acquisition	S			
			J029W 161 KV (2) Circuit Switcher	S			
			J023G 161 kv Ring Bus Expansion	S			
			J023Z 161 kv Ring Bus	S			
			J024F XFMR 1 High Side Device	S			
			J0X0G Station Upgrades	S			
			J0246 Line Breakers (2)	S			
			J0247 Line Breaker	S			
			J024P In/Out	S			
			J123H 345KV BAAH	S			
			J12T0 161 KV Property	S			
			UEC10532 345 KV (11332) NU RB	S			
			UEC10719 345 KV Ring Bus Exp	S			
			J0K06 - J0K26 (J994)-138KV Line Position (IF)	S			
			J0KQ7 - J0KQ7 138KV (J994)-Bus Expansion (NU)	S			
			UEC10933 161 KV BAAH Rebuild	S			
			UEC11031 CTG 138 KV COMM EQPT	✓			
			J02CB 161 kv Ring Bus EXP	S			
			Substation Reliability Improvements Total		101 745	69 908	31 837
			VAR Compensation				
			J0G9G Static VAR Sys.	✓			
			J0G9J Add Shunt Reactor	✓			
			J0G9K Add Shunt Reactor	S			
			J0X0Z 138KV Statcom	S			
			J027T 161 kv Statcom	S			
			J027V 161 kv Statcom Position	S			
			J027W 138 kv Statcom Position	S			
			J027X 138 kv Statcom	S			
			J028B 138 kv Statcom	S			
			J02G5 138KV STATCOM TERM ADD	S			
			J10VZ 138 kv CAP Bank	S			
			J123Q 138 kv STATCOM	S			
			J123R 138 kv STATCOM Position	S			
			J12DD Reroute	✓			
			VAR Compensation Total		73 618	86 238	(12 620)
			Grid Performance Total		215 393	214 334	1 239
			Modernization				
			Breaker Upgrades				
			J0FSK Brkr Upgr	✓			
			J0C3Z Brkr Upgr	✓			
			J0C7M Brkr Upgr	✓			
			J0I83 BRKR UPGR BT	✓			
			J08XR BT BRKR-Switch UPGR	✓			
			J0C63 Circuit Breaker UPGR	✓			
			J0G9G BRKR-Bus UPGR B	✓			
			J0I61 BRKR UPGR B	✓			
			J0I40 XFMR Relay panel/BRKR	✓			
			J0VDP V12 Lin PCB RLY UPGR	✓			
			J0WSX Relay UPGR (Pos. W)	✓			
			Breaker Upgrades Total		4 913	4 153	760
			Physical Security Upgrades				
			J093B - CIP V3 Low	✓			
			Physical Security Upgrades Total		4		4
			Transformer Upgrades				
			J0G8Z XFMR Upgr and Brkr Addn	✓			
			J0HK3 XFMR 1 Upgr w/ Brkr	S			
			J0HK6 XFMR 2 Upgr	S			
			J017W XFMR 1 Upgr	S			

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Category 1	Category 2	Category 3	2023 Project Detail	Project Status	2023 Actual	2023 Plan	Variance
			J017X - Sub XFMR-SRKR switch UPGR	S			
			J025T - 345/138 KV XFMR 1 UPGR	S			
		Transformer Upgrades Total			20 618	14 280	6 338
	Modernization Total				23 533	18 433	7 102
	Reliability	Condition Based Replacements	UEC11014 - 138 KV AI	S			
			UEC11036 - 34 KV Cap Bank UPGR	S			
		Condition Based Replacements Total			26		26
	Reliability Total				26		26
	Smart Grid	Inte lgrid	J00RB - REL	✓			
			J00SO - REL	✓			
			J0FNB - INTG	✓			
			J0LMJ - INTG	✓			
			J0LS3 - INTG Access High	✓			
			J0LS7 - INTG Access High	✓			
			J0LS5 - INTG OPGW Pole UPGR	✓			
			J0LST - INTG OPGW Pole UPGR	✓			
			J0LSW - INTG OPGW	✓			
			J0LT1 - INTG OPGW Pole UPGR	✓			
			J0M91 - INTG Access High	✓			
			J0MB2 - INTG Access High	✓			
			J0MCI - INTG Access High	✓			
			J0MCN - INTG Access High 345KV	✓			
			J0MNP - INTG Access High 69KV	✓			
			J0LP3 - INTG Access High	✓			
			J0LPX - INTG Access High	✓			
			J0LSX - INTG Pole UPGR	✓			
			J0M07 - INTG Access High	✓			
			J0NMC - INTG Access Med	✓			
			J0NMF - INTG Access Med	✓			
			J0NMS - INTG Access Med	✓			
			J0PKW - INTG Access High Trans	✓			
			J0Q4V - INTG Access Med Trans	✓			
			J0LS4 - INTG Access High	✓			
			J0LS6 - INTG Access High	✓			
			J0MB0 - INTG Access High	✓			
			J0MB4 - INTG Access High	✓			
			J0MB5 - INTG Access High	✓			
			J0MCG - INTG Access High	✓			
			J0MCH - INTG Access High	✓			
			J0MCL - INTG Access High	✓			
			J0MCP - INTG Access High	✓			
			J0MCR - INTG Access High	✓			
			J0MD6 - INTG Access High	✓			
			J0MD8 - INTG Access High	✓			
			J0NMD - INTG Access Med	✓			
			J0NMM - INTG Access Med	✓			
			J0N3F - INTG Access Med	✓			
			J0N3V - INTG Access Med 12KV	✓			
			J0N3W - INTG Access Med	✓			
			J0N3X - INTG Access Med	✓			
			J0N3Z - INTG Access Med	✓			
			J0N60 - INTG Access Med	✓			
			J0N62 - INTG Access Med	✓			
			J0N63 - INTG Access Med	✓			
			J0N66 - INTG Access Med	✓			
			J0N6D - INTG Access Med	✓			
			J0N6F - INTG Access Med	✓			
			J0N6M - INTG Access Med	✓			
			J0N6P - INTG Access Med	✓			
			J0N6V - INTG Access Med	✓			
			J0N6Z - INTG Access Med	✓			
			J0N75 - INTG Access Med	✓			
			J0N77 - INTG Access Med	✓			
			J0N78 - INTG Access Med	✓			
			J09T2 - INTG	✓			
			J0Q4 - INTG Access High	✓			
			J0NMK - INTG Access Med	✓			
			J0NMJ - INTG Access Med	✓			
			J0DKW - INTG Access High Gen	✓			
			J0LVT - OPGW	✓			
			J0MCK - INTG Access High	✓			
			J0NMH - INTG Access Med	✓			
			J0R3T - INTG ACCESS MED	✓			
			J0R60 - INTG ACCESS MED	✓			
			J0RVK - INTG Access Med	✓			
			J0RVL - INTG Access Med	✓			
			J09V8 - INTG	✓			
			J0LB0 - INTG Trans Line	✓			
			J0NML - INTG Access Med	✓			
			J0TTP - INTG Access Med	✓			
			J0TTQ - INTG-AM 161 Bus Tie	✓			
			J0TWG - INTG RLT	✓			
			J0XHW - INTG AM UG OPG	✓			
			J0MB3 - INTG Access High J0MB3	✓			
			J0VMS - INTG Access High J0VMS	✓			
			J12F3 - INTG Access Medium	✓			
	Inte lgrid Total				9 142	4 773	4 367

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Category 1	Category 2	Category 3	2023 Project Detail	Project Status	2023 Actual	2023 Plan	Variance
		Monitoring Upgrades	JOC85 - Unit 1 PMU Add	✓			
			JOR88 - New Tower Lights	S			
			JOR89 - New Tower Lights	S			
			JOR8B - New Tower Lights	S			
			JOR8C - New Tower Lights	S			
			JOR8D - New Tower Lights	S			
			JOR8F - New Tower Lights	S			
			JOR8G - New Tower Lights	S			
			JOR8K - New Tower Lights	S			
			JOR8L - New Tower Lights	S			
			JOR8Z - New Tower Lights	S			
			JOR90 - New Tower Lights	S			
			JOR98 - New Tower Lights	S			
			JOW0N - Battery Monitoring Sys	✓			
			JOWVM - Battery Mon Sys	✓			
			JOX9T - MV90	✓			
			JOX85 - MV90	✓			
			JOX87 - MV90	✓			
			JOZNV - 138 kV MV90 Addition	✓			
			J1045 - Comm Equip	S			
			J137T - MV90	S			
			UEC10718 - Battery Monitoring System	S			
		Monitoring Upgrades Total			643	3 606	(2 961)
		Relay Upgrades	JOP59 - 138kV - Relay UPGR	✓			
			JOG9B - Relay Panel UPGR	✓			
			JOGXC - Relay and Station Upgrade	✓			
			JOGXF - Swydr Upgr Controls	✓			
			JOI4Z - Sub Relay UPGR	✓			
			JOLW6 - 6H & 24H Relay UPGR	✓			
			JOI5Z - Relay UPGR	✓			
			JOIGZ - Relay Upgr	✓			
			JOP56 - 138kV - Relay UPGR	✓			
			JOKGR - 138kV Rly UPGR	✓			
			JOIH9 - Relay Upgrs	✓			
			JOIHD - Relay Upgrs	✓			
			JOIHH - Bus 1 Relay Upgr	✓			
			JOI51 - Sub Relay UPGR	✓			
			JOLFN - Relay Upgrade	✓			
			JOLFF - Sub Relay UPGR	✓			
			JOLFR - Relay UPGR	✓			
			JOLIV - 138kV Relay UPGR	✓			
			JOLIW - Relay UPGR	✓			
			JO6FP - add relay requirements	S			
			JOR3Z - Relay Upgrades	✓			
			JOLFM - Rets Relay UPGR	✓			
			JOQWV - Relay Upgrade	✓			
			JOIGV - UPGR Relays-ST BRKR	✓			
			JOQWM - 138kV Relay Upgr	✓			
			JOIGX - Relay UPGR	✓			
			JON8A - Relay UPGR	S			
			JOTDP - Bus 1 Upgrades	✓			
			JOTDQ - Bus 4 Upgrades	✓			
			JOTDR - Bus 3 Upgrades	S			
			JOI50 - Relay UPGR	✓			
			JOI85 - UPGR Relay and SW	✓			
			JOL67 - Relay Upgrades	✓			
			JOL68 - Relay Upgrade	✓			
			JOTXR - 161kV Breaker Relay UPGR	S			
			JOV09 - Line & BRKR Relay UPGR	✓			
			JOVXC - Relays UPGR	✓			
			JOV8E - Relay Upgrade	S			
			JOVFP - Relay UPGR (H3)	✓			
			JOVPS - Relay UPGR (H3)	✓			
			JOV15 - H2 & H3 Relay UPGR	✓			
			JOV8Z - Relay Upgrades	✓			
			JOX71 - Relay UPGR (H2)	✓			
			JOX97 - Relay UPGR	✓			
			JONB2 - Remote End Work	✓			
			JONB3 - Remote End Work	S			
			JONB6 - Remote End Work	S			
			JONB7 - Remote End Work	✓			
			JOR8H - Relay UPGR	S			
			JOX07 - 161kV-IF Line Pos	✓			
			JOXFB - Relay Addition to end	✓			
			JOXQQ - 11087 Relay Upgds	S			
			JOXQZ - Relay Upgrade [11087]	S			
			JOXR6 - 11107 Relay Upgrade	S			
			JOXR7 - 11107 Relay Upg	S			
			JOZFH - Relay Upgrades	S			
			JOZFI - Relay Upgrades	S			
			JOZ2C - Relay Upgrade (976)	S			
			JOZ3Z - Relay Upgrades	S			
			J117C - Remote End Work	S			
			JOZ6P - 138 kV RLY UPGR RMT END	S			
			JOZ6R - 138 kV RLY UPGR RMT END	S			
			JOX6I - Relay UPGR	S			
			JO7LL - 345 kV RLY UPGR	S			

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Category 1	Category 2	Category 3	2023 Project Detail	Project Status	2023 Actual	2023 Plan	Variance
			J023X - Relay UPRGR	S			
			J01HM - 138/345 KV AI	S			
			J02GQ - 138 KV RLY UPRGR RMT END	S			
			J123D - 345 KV RLY UPRGR RMT END	S			
			J123N - 345 KV RLY UPRGR RMT END	S			
			J128B - 138 KV RLY UPRGR RMT END	S			
			J11QG - Basement	S			
			UEC10569 - 138 KV RLY UPRGR	S			
			UEC10932 - 345 KV Bus 1 Relay Upgrade	S			
			UEC10954 - 345 KV Bus 1 Relay Upgrade	S			
			UEC11013 - 138 KV RLY UPRGR RMT END	S			
		Relay Upgrades Total			12,677	8,822	3,855
	Smart Grid Total				22,464	17,203	5,261
Secure & Reliable Transmission Total					263,618	249,970	13,648
Cyber & Technology Upgrades	Business & Corp Services	Enterprise System Upgrades	J0M01 - UPRGR Security Camera - UEC GENERAT	S			
			J0W09 - UPRGR Analog Security Cameras-CTG	✓			
			J0W08 - UPRGR Security Cameras - CTG	✓			
			J0VNN - Active Directory Enhancements- UEC-	✓			
			J0R35 - UPRGR Analog Security Cameras-UEC-J0R35	✓			
			J020W - Upgrade Security Cameras - 2022 UEC-J020W	✓			
		Enterprise System Upgrades Total			733		733
	Business & Corp Services Total				733		733
	Customer Support	Customer System Enhancements	J0W41 - AMI Improve IOC Ntwrk Monitor 23UEC	✓			
		Customer System Enhancements Total			137	474	(337)
		Inte Igrid	J0M0B - INTG Access High - Dist UEC	✓			
			J0S12 - INTG AM UEC GP	✓			
			J0S17 - INTG AM UEC GP CTG	✓			
			J0S15 - INTG AM UEC T	✓			
			J0S13 - INTG AM UEC D	✓			
			J0S13 - INTG AM UEC GP	✓			
			J0S14 - INTG AM UEC GP	✓			
			J0S18 - INTG AM UEC GP CTG	✓			
			J0S1X - ADSS INTG AM UEC	✓			
			J0S1N - ADSS INTG AM UEC D	✓			
			J0S12 - INTG AM UEC T	✓			
			J0S15 - INTG AM UEC D	✓			
			J0S17 - INTG AM UEC D	✓			
			J0S15 - INTG AM UEC GP	✓			
			J0S18 - INTG AM UEC GP CTG	✓			
			J0S1M - ADSS INTG AM UEC	✓			
			J0618 - INTG CORE MED 2019 UEC	✓			
			J0S1Q - INTG AM UEC GP	✓			
			J0M1W - INTG AM UEC GP	✓			
			J1396 - ADSS INTG AM UEC	✓			
			J139C - ADSS INTG AM UEC	✓			
		Inte Igrid Total			6,120	5,091	1,029
		Work & Asset Mgmt System Upgrades	J0642 - GIS Electric UPRGR - UEC	✓			
			J0HTX - ADMS UPRGR 2023 - UEC	✓			
			J00X2 - ASPIRE P3 EA/G UEC	✓			
			J0503 - DFE CE - Sub Relay Trans AMO	✓			
			J0V82 - ADMS Hardware - UEC	✓			
			J0HTJ - ADMS UPRGR 2022-2023 - UEC	✓			
			J0VNP - DFE CE - Electric Operations 2022 U	✓			
			J0VNW - DFE CE - Sub Relay Trans 2022 UEC	✓			
			J0W12 - DFE CE - Sub Relay Trans 2023 UEC	✓			
			J0VPG - DFE CE - GIS Electric 2022 UEC	✓			
			J0VQF - Grid Network Model Management 2022	✓			
			J022M - DFE Electric Ops - 2023 - UEC	✓			
			J02QG - Integr. Grid Plan. Solution UEC	✓			
			J02VY - ADMS SM/LA/DR - 2023 - UEC	✓			
			J1002 - eADMS Tech Refresh 2023 UEC	✓			
			J103C - ADMS Switching UEC	S			
			J0W3N - Grid Ntwrk Model Mgmt 2023 UEC	✓			
			J022T - GIS CE Electric - 2023 - UEC	✓			
			J0V1Q - FB/G Analytics/Secure Energy Product-J0V1Q	✓			
			J02XM - FB/G Reliab Analytics 2023 UEC	✓			
			J1178 - ArcFM/Designer - 23 - UEC	✓			
		Work & Asset Mgmt System Upgrades Total			20,474	17,887	2,587
	Customer Support Total				26,751	23,452	3,299
	Cyber Security	Cyber Security Upgrades/New Technologies	J0Q61 - Centralized OT Cybersec - UEC	✓			
			J0R12 - Non CDAs Software UEC	✓			
			J0W19 - UPRGR Security Cameras - UEC	✓			
			J0T11 - Non CDAs Hdw UEC	✓			
			J0XCR - Firemon Expansion - UEC	✓			
			J0XQ0 - Firemon Expansion UEC Hdw	✓			
			J028F - UPRGR Analog Sec Cam Trans-UEC -M	✓			
			J0W88 - Active Directory Enhancement UEC 23	✓			
			J0W8J - Privileged Access Mgt (PAM)-UEC 23	✓			
			J0TKN - Transient Cyber Asset Mgmt- CTG -UE	✓			
			J02V5 - OT IDS UPRGR Hdw-UEC	S			
			J104M - Non CDAs -UEC	✓			
			J115T - Centralized OT Cybersec - UEC	✓			
			J12NN - MEEIA-4 Res Web - UEC	S			
			J11C7 - OT/Protect Endpoint Security UEC	✓			
			J12T1 - Camera&Switches	✓			
			J12TV - Camera Upgrade UEC 2023	✓			

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Ameren Missouri 2023 Customer-Focused Capital Investment Summary - Grid Modernization Projects

Category 1	Category 2	Category 3	2023 Project Detail	Project Status	2023 Actual	2023 Plan	Variance
			J12TW - Camera Upgrade	✓			
			J12TX - Camera Switches	✓			
			J12TZ - Camera Upgrade	✓			
			J12V0 - Camera Switches	✓			
			J13D6 - Non CDAs 2023 Hdw-UEC	✓			
			UEC10838 - OT IDS UPGR 23-24 - UEC	S			
			UEC10898 - OT IDS - AMI	S			
			UEC10899 - OT IDS	S			
			UEC10900 - OT IDS	S			
			UEC10902 - OT IDS - ADAM	S			
			UEC10903 - OT IDS-Enterpr. MGMT Console	S			
			UEC10904 - OT IDS	S			
			UEC10903 - OT IDS	S			
			UEC10907 - OT IDS	S			
			UEC10908 - OT IDS	S			
			UEC10910 - OT IDS	S			
			UEC10911 - OT IDS - CentOT	S			
			UEC10912 - OT IDS	S			
			UEC10913 - OT IDS	S			
			UEC10914 - OT IDS	S			
			UEC10915 - OT IDS	S			
			UEC10916 - OT IDS	S			
			UEC10917 - OT IDS	S			
			UEC10920 - OT IDS	S			
			UEC10921 - OT IDS	S			
			UEC10923 - OT IDS	S			
			UEC10924 - OT IDS	S			
			UEC10925 - OT IDS	S			
			UEC10926 - OT IDS	S			
			UEC10927 - OT IDS	S			
			Cyber Security Upgrades/New Technologies Total		6,059	3,959	2,100
			Cyber Security Total		6,059	3,959	2,100
			Run The Business				
			Network & Server Upgrades				
			J052H - Commun Tower UPGR - UEC	✓			
			J05F5 - Comm Tower Upgr - UEC	✓			
			J0VDP - Network Enhance OT & Corp WAN UEC	✓			
			J0263 - DA Cellular SmartGrid Resil UEC	✓			
			J0W6N - NTWK Microwave UPGR Phs 1 UEC 23-J0W6N	S			
			Network & Server Upgrades Total		409	136	273
			Run The Business Total		409	136	273
			Cyber & Technology Upgrades Total		33,932	27,547	6,385
			Innovative Opportunities				
			Electrification Infrastructure				
			J0SM6 - Power Quality	✓			
			J0RDP - EV Chargers	✓			
			J0NLF - Electric Equipment	✓			
			J0NLF - EV Transportation - On Road	✓			
			J0TVK - Fleet Services EV Chargers	S			
			Electrification Infrastructure Total		199	976	(777)
			Grid Innovative Technologies				
			J0KVF - Energy Analysis Tool	✓			
			J0Q04 - UEC Data Centers Pilot (Hardware)	✓			
			J0QQW - Fleet Charging Infrastructure	S			
			J0V0N - UEC Tertiary Control Deployment-So	S			
			J0W7Z - UEC Hydrogen Project	R			
			J0RH4 - Test/Training Turbine	✓			
			J0Z19 - Fleet Battery Storage	S			
			J119C - UEC Hydrogen Powered Drones	✓			
			J11FP - Radiation Protection Visualization	✓			
			J1202 - Solar Facility	S			
			UEC10969 - Paving Upgrades Solar Facility	S			
			Grid Innovative Technologies Total		5,139	2,020	3,119
			Grid Innovative Technologies Total		5,139	2,020	3,119
			Innovative Opportunities Total		5,338	2,996	2,342
			Grid Modernization Projects Total		85,748	86,548	(13,200)

NOTE: Only 2023 projects are listed.

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Ameren Missouri 2023 Customer-Focused Capital Investment Summary - Ongoing Operations

\$ - Thousands

Category 1	Category 2	Category 3	2023 Actual	2023 Plan	Variance	
Smart, Reliable Grid Operations	Distribution Operations	Customer Requested	11,747	9,951	1,796	
		Emergency Work	15,967	16,384	(417)	
		Fleet	26,102	24,773	1,329	
		General Plant	5,184	1,234	3,950	
		Government Relocations	5,774	9,720	(3,946)	
		Emergent Business	58,924	62,925	(4,001)	
		Transformers & Tools	56,688	34,248	22,440	
		Worst Performing Circuits	431	1,176	(745)	
		Reliability & NESC	30,071	19,234	10,837	
		Office Furniture & Fixtures	388	638	(250)	
		Storms Rebuild	76,087	3,422	72,665	
		Circuit Inspection Resulting Work	40,733	37,756	2,977	
		UG Inspections Resulting Work	3,292	2,039	1,253	
		Device Inspection Resulting Work	572	662	(90)	
		Street Light Inspection Resulting Work	47	67	(20)	
	Distribution Operations Total			332,007	224,229	107,778
	Grid Resiliency/Operating Flexibility	Switches		3,161		3,161
		Line Capacity Increases		10,030	8,684	1,346
		Substation Capacity Increases			335	(335)
		Subtransmission Switch Upgrades			4,138	(4,138)
	Convert 4kV to 12kV			341		341
Grid Resiliency/Operating Flexibility Total			13,532	13,157	375	
Substations - Condition Based Modernization	Sub/Switchgear Upgrades		65	89	(24)	
	Substation Spill Control		2,474	2,995	(521)	
Substations - Condition Based Modernization Total			2,539	3,084	(545)	
System Hardening	Brittle Conductor Upgrades		458	241	217	
	Inaccessible Circuit Relocations		380		380	
System Hardening Total			838	241	597	
Smart, Reliable Grid Operations Total			348,916	240,711	108,205	
Non-Nuclear Generation & Environmental	Modernization	Component/Material Upgrades	9,932	10,076	(144)	
		Controls/Communication Upgrades	6,091	7,837	(1,746)	
		Physical Security Upgrades	42	347	(305)	
	Modernization Total			16,065	18,260	(2,195)
	Regulatory & Facilities	Facility Upgrades	4,954	4,477	477	
		Regulatory Required	20,892	51,812	(30,920)	
	Regulatory & Facilities Total			25,846	56,289	(30,443)
	Reliability	Component Replacements	52,287	35,840	16,447	
	Reliability Total			52,287	35,840	16,447
	Non-Nuclear Generation & Environmental Total			94,198	110,389	(16,191)
Nuclear Generation	Modernization	Component/Material Upgrades	43,271	68,126	(24,855)	
		Physical Security Upgrades	52	524	(472)	
	Modernization Total			43,323	68,650	(25,327)
	Regulatory & Facilities	Facility Upgrades	1,697	1,063	634	
		Regulatory Required	9,438	23,842	(14,404)	
	Regulatory & Facilities Total			11,135	24,905	(13,770)
	Reliability	Component Replacements	49,302	8,097	41,205	
Reliability Total			49,302	8,097	41,205	
Nuclear Generation Total			103,760	101,652	2,108	

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Ameren Missouri 2023 Customer-Focused Capital Investment Summary - Ongoing Operations

\$ - Thousands

Category 1	Category 2	Category 3	2023 Actual	2023 Plan	Variance
Hydro Generation	Modernization	Component/Material Upgrades	1,063	2,562	(1,499)
		Controls/Communication Upgrades	4,912	5,393	(481)
	Modernization Total		5,975	7,955	(1,980)
	Regulatory & Facilities	Facility Upgrades	3,984	5,348	(1,364)
		Regulatory Required	3,877	3,483	394
	Regulatory & Facilities Total		7,861	8,831	(970)
	Reliability	Component Replacements	9,978	11,353	(1,375)
	Reliability Total		9,978	11,353	(1,375)
Hydro Generation Total			23,814	28,139	(4,325)
Renewable & Gas Turbine Generation	Grid Performance	Renewables	5,619	13,113	(7,494)
	Grid Performance Total		5,619	13,113	(7,494)
	Modernization	Component/Material Upgrades	6,107	2,927	3,180
		Controls/Communication Upgrades	3,839	6,532	(2,693)
		Physical Security Upgrades	114	184	(70)
	Modernization Total		10,060	9,643	417
	Regulatory & Facilities	Facility Upgrades	6,804	3,424	3,380
		Regulatory Required	60	104	(44)
Regulatory & Facilities Total		6,864	3,528	3,336	
Reliability	Component Replacements	15,307	13,596	1,711	
Reliability Total		15,307	13,596	1,711	
Renewable & Gas Turbine Generation Total			37,850	39,880	(2,030)
Secure & Reliable Transmission	Grid Performance	Line Reliability Improvements	12,184	10,193	1,991
	Grid Performance Total		12,184	10,193	1,991
	Modernization	Physical Security Upgrades	237		237
	Modernization Total		237		237
	Reliability	Condition Based Replacements	26,443	17,516	8,927
	Reliability Total		26,443	17,516	8,927
	Vehicles, Tools & Other	Vehicles, Tools & Other	5,924	6,706	(782)
	Vehicles, Tools & Other Total		5,924	6,706	(782)
Secure & Reliable Transmission Total			44,788	34,415	10,373

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Ameren Missouri 2023 Customer-Focused Capital Investment Summary - Ongoing Operations

\$ - Thousands

Category 1	Category 2	Category 3	2023 Actual	2023 Plan	Variance
Cyber & Technology Upgrades	Business & Corp Services	Department System Upgrades	4,703	7,377	(2,674)
		Enterprise System Upgrades	40,407	21,607	18,800
		Business & Corp Services Total	45,110	28,984	16,126
	Customer Support	Customer System Enhancements	32,806	32,380	426
		Intelligrid	186		186
		Work & Asset Mgmt System Upgrades	2,887	7,693	(4,806)
		Customer Support Total	35,879	40,073	(4,194)
	Cyber Security	Cyber Security Upgrades/New Technologies	8,079	11,355	(3,276)
		Cyber Security Total	8,079	11,355	(3,276)
	Foundational Enablers	Analytics & Process Automation	22,512	23,826	(1,314)
		New Data Centers & Facility Technologies	408	504	(96)
		New User Technologies	1,746	597	1,149
		Foundational Enablers Total	24,666	24,927	(261)
	Run The Business	Network & Server Upgrades	26,850	22,049	4,801
	User Technology Upgrades	2,039	3,457	(1,418)	
	Run The Business Total	28,889	25,506	3,383	
Cyber & Technology Upgrades Total			142,623	130,845	11,778
Operational & Customer Support Facilities	Facilities	Facilities	64,518	51,851	12,667
	Facilities Total		64,518	51,851	12,667
Operational & Customer Support Facilities Total			64,518	51,851	12,667
Innovative Opportunities	Electrification Infrastructure	Electrification Infrastructure	143	262	(119)
	Electrification Infrastructure Total		143	262	(119)
	Other	Other	1,896	1,607	289
	Other Total		1,896	1,607	289
Innovative Opportunities Total			2,039	1,869	170
Ongoing Operations Total			862,506	739,751	122,755
Grand Total - Grid Modernization Projects + Ongoing Operations			1,715,254	1,605,699	109,555