

Ameren Missouri 5-Year Electric Customer-Focused Capital Investment Plan

\$ - Thousands

Category 1	2023 Actual	2024	2025	2026	2027	2028	Grand Total
Smart, Reliable Grid Operations	795,164	706,217	695,065	747,925	729,451	727,887	3,606,545
Smart Meter Program	65,715	34,310	9,487	-	-	-	43,797
Non-Nuclear Generation & Environmental	97,214	173,246	143,541	177,788	194,863	210,415	899,853
Nuclear Generation	104,992	108,931	113,688	97,414	99,495	96,980	516,508
Hydro Generation	31,692	42,087	49,598	48,414	11,977	6,282	158,358
Renewable & Gas Turbine Generation*	63,621	1,069,146	622,011	1,222,463	938,532	717,023	4,569,175
<i>New Renewable Generation**</i>	30,010	1,028,875	407,759	859,119	565,209	483,776	3,344,738
<i>New Dispatchable Generation</i>	2,522	14,001	186,989	338,584	361,162	226,308	1,127,044
Secure & Reliable Transmission	308,406	295,449	278,556	283,205	286,172	285,164	1,428,546
Cyber & Technology Upgrades	176,555	144,000	146,530	162,605	203,186	208,277	864,598
Operational & Customer Support Facilities	64,518	77,636	67,822	80,582	42,944	43,258	312,242
Innovative Opportunities	7,377	7,910	2,231	1,902	1,902	1,900	15,845
Grand Total - Capital	1,715,254	2,658,932	2,128,529	2,822,298	2,508,522	2,297,186	12,415,467

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

** New Renewable Generation Plan for 2024-2028 may include both self-built projects and acquired renewable assets, pending future regulatory proceedings

EXHIBIT 1

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

Ameren Missouri 1 & 5-Year Total Electric Customer-Focused Capital Investment Plan - Grid Modernization Projects

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Category 1	Category 2	Category 3	Project Detail	2024	5-Year	
Smart, Reliable Grid Operations	Distribution Operations	Customer Requested	UEC10508 - [REDACTED] upgrade J11F2 - [REDACTED] OTU 55 UEC10864 - [REDACTED] 690-57 12kv New Bus Upgrade			
		Customer Requested Total		2,476	2,476	
		Emergent Business	J0XST - [REDACTED] -56 J12NZ - [REDACTED] -4321 [REDACTED] Sec-Serv J136L - [REDACTED] Primary Ext J12X2 - [REDACTED] 547-53 UEC10663 - [REDACTED] 987-51 School Extension J0XKV - [REDACTED] 159-4 [REDACTED] extension J124B - [REDACTED] Expansion-UG-C J12XF - [REDACTED] 316-51 [REDACTED] PI Ext			
		Emergent Business Total		4,504	5,838	
		Government Relocations	UEC10686 - [REDACTED] 571-51 [REDACTED] Reloc			
		Government Relocations Total		520	520	
		Substation Spares	J0WM1 - Spare 5A 139.2/34kv 112MVA LTC J0TTL - Spare 18 UPGR XFMR J0VBQ - SPARE 19X 22MVA Xfmr 34-13.2KV J1124 - SPARE UPGR XFMR 68.8-13.2KV 22MVA J12D8 - SPARE UPGR XFMR 68.8-13.2KV 14MVA J13D7 - Purchase Spare Circuit Breakers UEC10635 - Transformer 112MVA Spare 5A 2026 UEC10636 - Transformer 112MVA Spare 5B 2026 UEC10637 - Transformer Spare 34/4kv NON 2024 16016 - Substation Spare EQPT UPGR. UEC10818 - Transformer Spare 22 34/4kv 2024 UEC10852 - Transformer Spare 21X 34/4kv 2024			
		Substation Spares Total		10,756	47,524	
		Distribution Operations Total		18,256	56,358	
		Grid Resiliency/Operating Flexibility	Convert 4kV to 12kV	J0I3L - [REDACTED] 12kV Sub 2nd Unit-UG-C J0KSM - [REDACTED] 12 kV Sub 2nd Unit-Sub-C J0NQQ - [REDACTED] Padmount XFMR-Line-C J0P1G - [REDACTED] 103-1 12kV Conversion J0P1Q - [REDACTED] Area Conversion-Sub-C J0SGM - [REDACTED] 910-4 UPGR J0SHG - [REDACTED] 006-12kV Upgrade J0SHD - [REDACTED] 005-12kV Upgrade J0SHB - [REDACTED] 002-12kV Upgrade J0SGN - [REDACTED] 001-12kV Upgrade J0SGV - [REDACTED] 005-12kV Upgrade J0WBX - [REDACTED] Sub-UG-C J0Z4R - [REDACTED] 001-12kV Upgrade J0SH3 - [REDACTED] 12kV Modernize-Site-C J0WBW - [REDACTED] -Sub-C J123X - UG [REDACTED] Feed [REDACTED] J0WBV - [REDACTED] -Line-C J134V - [REDACTED] Pad-mount XFMR- Line-C J0P1P - [REDACTED] Feeder Exit-C J0J55 - CBM [REDACTED] -Sub - C J104R - [REDACTED] 289-53 [REDACTED] J0SGD - [REDACTED] Pad-mount XFMR [REDACTED]		
Convert 4kV to 12kV Total				462	170,790	
Line Capacity Increases	J0P2H - [REDACTED] -72 #2 East Re conductor J0P26 - [REDACTED] 556-53 Re conductor [REDACTED] J0P1B - [REDACTED] relieve feeder 195-51 J0P3B - [REDACTED] -71-New 34.5kV Circuit J0POX - [REDACTED] 161-55 [REDACTED] 571-53 Recond DA J0SKN - [REDACTED] Re conductor-UG-C J0SKP - [REDACTED] New 34kV Feeder-UG-C J0SKF - [REDACTED] -73, New 34.5KV Circuit-Sub-C J0SKH - [REDACTED] New 34kV Feeder-Sub-C J0T41 - Re conductor [REDACTED] 88 J0P3D - [REDACTED] -73, New 34.5kV Circuit-Line-C					

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			JOP3F - Relieve 575-52		
			JOVOC - 207-54 Circuit Improvem		
			JOT3X - 630-53		
			JOWJC - -73, Reconductor		
			J12M6 - -75 Express to Prewitt-Line-C		
			J1318 - Upgrade Line North Por		
			J1319 - Upgrade Line South Por		
			J129V - 052 UPGR		
			J12NW - 75 Sub-C		
			JORRZ - -78 Reconductor		
			JOSKV - Reconductor-Line-C.		
			UEC10812 - -72 Line-C		
			UEC10814 - -72 Line-C		
			JDX09 - -56 Ph 2		
			Line Capacity Increases Total	29,722	111,706
			Substation Capacity Increases		
			J0IF8 - Add Xfmr-UG -C		
			J0J9S - Add Xfmr-Line-C		
			J0J0G - - 2nd Unit - Line-C		
			J0JNC - 2nd Unit - Line - C		
			J0JND - 2nd Unit - Line - C		
			J0KP8 - Sub Upgr - Line - C		
			J0JKR - 2nd Unit - Sub - C		
			J0KP3 - 2nd Unit - Sub - C		
			J0KSL - Sub Upgr - Sub - C		
			J0J11 - - 2nd Unit - Sub - C		
			J0JTT - - Upgr Transformers		
			J0JX7 - -Sub-C		
			J0SBJ - Substation-UG-C		
			J0SKK - Sub, Upgrade-UG-C		
			J0SKL - 34-12 kV Substation-UG-C		
			J0S9B - Substation-Line-C		
			J0SKW - 34-12 kV Substation-Line-C		
			J0SLO - 138-12kV - Xmsn-C		
			J0SKQ - Sub, Upgrade-Line-C		
			J0SJW - 34-12kV Sub-Line-C		
			J0S85 - Substation-Sub-C		
			J0SKB - Sub, Upgrade-Sub-C		
			J0SKC - 34-12 kV Substation-Sub-C		
			J0SK9 - 34-12kV Sub-Sub-C		
			J0SKD - 34-12kV Sub -Sub-C		
			J0K6C - Sub Distrib Line-C		
			J0KSH - Sub Substation-C		
			J0SKJ - New 34.5-13.8 kV Sub-UG-C		
			J0WCO - Substation-Line-C		
			J0WC4 - Sub UPGR W Unit-Line-C		
			J0WC2 - New Sub-Line-C		
			J0WMS - 69kV North Bus Upgrade-Line-C		
			J0K09 - Sub UPGR W Unit-Sub-C		
			J0SK1 - Sub Upgr Sub-Site-C		
			J0SK7 - New 34.5-13.8 kV Sub-Sub-C		
			J0TRL - -Sub-C		
			J0WC1 - Substation-Sub-C		
			J0WC3 - New Sub-Sub-C		
			J0WMR - 69kV North Bus Upgrade-Sub-C		
			J0WMV - -Upgrade XFMR Low-Side		
			J0W9S - -34.5KV-Line		
			J116L - Substation Upgrade		
			J116F - Sub Upgr W unit and Swgr		
			J116J - 12 kV Upgrade-Line-C		
			J0ITN - -2nd Unit 161/34kV		
			J0LB5 - Sub		
			J0V4N - -12kV Sub-Site-C		
			J116K - 12 kV Upgrade-69kVSub		
			J12KS - Sub - UG - C		

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			JOSKZ - Sub Xmsn Lines-C J11HW - 12 kV Upgrade-Sub-C J11Z9 - Sub UPGR Site-C J129R - XFMR Upgrade J129T - Upgrade Sub-C J129Z - 138/34 XFMR 1 Upgrade UEC10510 - 138/34 XFMR 2 Upgrade UEC10580 - Upgrade Sub-C UEC10815 - Substations-Line3-C JOGDS - Sub-Sub-C JOJG8 - Station Add Xfmr - Sub - C UEC10850 - UPGR-Sub-C UEC10854 - 12 kV Sub-Site2-C		
			Substation Capacity Increases Total	93,655	208,288
			Switches		
			Switches Total	705	3,504
			Grid Resiliency/Operating Flexibility Total	124,544	494,288
			Smart Grid		
			Cutout Recloser		
			JOJJB - DCD - UPGR Tripsaver Reclosers		
			Cutout Recloser Total	957	4,931
			Distribution Automation		
			QA317 - DCD - UPGR Line Capacitor Controls QA318 - DCD - DA Program JON2M - Telecomm for Overhead UEC10798 - DA - 72 Upgr J1311 - Fdr Vipers UEC10624 - FDR Vipers JOR47 - DA -74 UPGR JOJJB - Viper SWO.		
			Distribution Automation Total	19,960	88,267
			Fault Circuit Indicators		
			JOJGS - DCD - UPGR Backbone FCIs JOJJB - DCD - UPGR Terminal Pole FCIs		
			Fault Circuit Indicators Total	1,456	7,405
			Fiber/Wireless		
			JOMUV - Private LTE MO Metro-UEC JOROQ - MO Urban PLTE Spectrum JOSW5 - MO Metro PLTE 2024 JOSVZ - MO Urban PLTE 2024 JOV4B - PLTE Metro Site 151-034UG JOSK3 - PLTE Metro Site 151-042 JOW92 - PLTE Metro Site 151-006JF JOW96 - PLTE Metro Site 151-015JF JOSK2 - PLTE Metro Site 141-002 JOW99 - PLTE Metro Site 141-040NE JOSW9 - MO Metro PLTE Backhaul 2024 JOVD1 - Modem UPGR JOXJG - PLTE Metro Site 151-011MK JOXJH - PLTE Metro Site 151-036MK JOXJJ - PLTE Metro Site 151-038MK JOXJL - PLTE Metro Site 151-001MK JOZSW - PLTE Metro Fiber 151-036MK JOZTX - PLTE Metro Site 151-021MK JOZGL - PLTE Metro Site 151-026 JOZSM - PLTE Metro Fiber 151-012GR JOZT9 - PLTE Metro Site 151-016GR JOZSR - PLTE Metro Fiber 151-019DT JOZTC - PLTE Metro Site 151-019DT JOZTD - PLTE Metro Site 151-020DR JOZGH - PLTE Metro Site 151-005 JOZH3 - PLTE Metro Fiber 151-005BK JOZT8 - PLTE Metro Site 151-012BR JOXJK - PLTE Metro Site 151-031CH JOZST - PLTE Metro Fiber 151-022CH JOXJC - PLTE Metro Site 151-008EL JOXJF - PLTE Metro Site 151-009EL JOZH2 - PLTE Metro Fiber 151-008EL JOZT7 - PLTE Metro Site 151-004EL		

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			JOZTF - PLTE Metro Site 151-041EL JOXJD - PLTE Metro Site 151-003FR JOZTB - PLTE Metro Site 151-017FR JOZVO - PLTE Metro Site 131-030FR JOZGK - PLTE Metro Site 141-029 JOZH1 - PLTE Metro Fiber 141-039NE JOZSN - PLTE Metro Fiber 141-002NE J1153 - MO Private LTE- Urban J1345 - PLTE Metro Fiber 151-011MK J1344 - PLTE Metro Fiber 151-013BR J120R - PLTE Metro Site 151-022CH J121Z - PLTE Metro Site 151-013BR J120Q - PLTE Metro Site 151-043JF J114Z - MO Private LTE-Rural UEC10881 - PLTE Metro Fiber 151-031CH JOZSV - PLTE Metro Fiber 151-024FR JOZTZ - PLTE Metro Site 151-024FR JOV49 - PLTE Metro Site 151-14JF JOW9G - PLTE Metro Fiber 141-040NE JORON - MO PLTE EPCore J11WL - Fiber J11WN - Fiber J11WN J11WQ - Fiber J11WR - Fiber J11WS - Fiber JOXJB - PLTE Metro Site		
			Fiber/Wireless Total	27,812	221,823
			LED Street Lighting		
			J09H1 - LED Streetlight Program		
			LED Street Lighting Total	11,738	49,445
			SCADA Upgrades		
			JOITV - Add Scada		
			JOIST - Add Scada		
			JOIT3 - Add Scada		
			SCADA Upgrades Total	878	878
			Smart Grid Total	62,801	372,749
			Substations - Condition Based Modernization		
			OCB Upgrades		
			JOISM - OCB -34KV POS 342		
			J109X - OCB-UPGR POS 11, -72		
			J10B1 - OCB-UPGR 34KV 321 326		
			J10B3 - OCB-UPGR POS 723&780		
			UEC10765 - OCB-UPGR 711 & 793		
			OCB Upgrades Total	2,154	9,816
			Relay Upgrades		
			JOJXL - Relay Upgr Swgr		
			JOJVC - Relay Upgr Sub-XFMR 2		
			JOJVD - Relay Upgr Sub -78		
			JOJVR - Relay Upgr 34 Sub-69kv Bus1		
			JOJVV - Relay Upgr Plant Sub-XFMR W		
			JOJWD - Relay Upgr Sub-XFMR 1		
			JOJWG - Relay Upgr Sub -73		
			JOJWS - Relay Upgr Sub -73		
			JOJWX - Relay Upgr Sub -Cap Bank		
			JOJX2 - Relay Upgr Sub 74		
			JOJX5 - Relay Upgr Sub -72		
			JOJXB - Relay Upgr Sub 72		
			JOJXC - Relay Upgr Sub-XFMR 1		
			JORTS - Relay Upgrades		
			JOX6J - Substation Relay Upgrades		
			J107S - Sub Relay Upgrades		
			J107T - Sub Relay Upgrades		
			J107V - Sub Relay Upgrades		
			J135N - Sub Relay Upgrades		
			UEC10448 - Sub Relay Upgrades		
			UEC10449 - Sub Relay Upgrades		
			UEC10450 - Sub Relay Upgrades		
			UEC10451 - Sub Relay Upgrades		
			UEC10452 - Sub Relay Upgrade		

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			UEC10453 - Sub Relay Upgrades UEC10454 - Sub Relay Upgrades J0X6M - Xfmr Relay Upgrades J11J8 - Sub Relay Upgrades J12FR - Sub Relay Upgrades J135P - Sub Relay Upgrades J135Q - Sub Relay Upgrades J135R - Sub Relay Upgrades J135S - Sub Relay Upgrades J135T - Sub Relay Upgrades J135X - 12 Sub Relay Upgrades J135Z - Sub Relay Upgrades J138S - Sub Relay Upgrades UEC10847 - Sub Relay Upgrades UEC10848 - Sub Relay Upgrades		
			Relay Upgrades Total	6,470	23,096
			Sub/Switchgear Upgrades		
			0A664 - SWO-Dist Sub-Con Based OR000 - SWO-DIST. SUBS - T&DD J0CGS - CBM Sub Site J0CHG - CBM Sub-Sub-C J0IDV - Sub Upgr - UG - C J0CM7 - CBM Sub-UG-C J0KPB - Sub - Line - C J0JKS - Sub Upgr - Sub - C J0J56 - CBM - Sub - C J0J5D - Add Scada J0KSF - Sub - Sub - C J0J12 - Add Scada J0JTF - Add Scada J0CM4 - CBM Sub-UG-C J0P2V - CBM Upgr UG-C J0P17 - Pad-mount XFMR-Line-C J0P2Q - Pad-mount XFMR-Line-C J0P56 - Xfmr W UPGR J0P57 - Xfmr W UPGR J0NZJ - CBM UPGR-UG-C J0P0S - CBM UPGR-Line-C J0P1N - CBM Sub Upgr-Sub-C J0P2G - CBM Sub Upgrade-UG-C J0NWS - CBM Sub Upgrade-Line-C J0P37 - CBM Rebuild-Sub-C J0P3G - CBM Sub, Swgr-Sub-C J0P45 - CBM Upgrade - Sub - C J0RWP - Telecom for Substations J0S1Q - Sub Upgrade - Line - C J0SGG - Pad-mount XFMR-Line-C J0SGT - 004 Upgrade J0SGQ - 002 Upgrade J0SGR - 003 Upgrade J0SHL - CBM Sub, Modernize-Sub-C J0G9Q - CBM SWGR UPGR W-UG-C J0P3X - CBM Sub Upgrade LINE-C J0P0V - CBM Sub, UPGR LINE-C J0S1P - CBM Sub UPGR-Land Acq J0P22 - CBM Sub UPGR Line-C J0P3W - 4 UPGR J0P4F - 1 UPGR J0P43 - 1 UPGR J0P49 - 3 UPGR J0IXR - CBM UPGR Swgr 1 J0TPX - CBM Sub-UG-C J0S1K - CBM UPGR Sub-UG-C J0S1J - CBM UPGR Sub-Line-C J0TPW - CBM Sub-Line-C		

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			JOCBM - CBM ██████████ SWGR W-LINE-C		
			JOCHL - CBM ██████████ Swgr UPGR-Sub-C		
			JOJVO - ██████████ -Add Scada UPGR Swgr		
			JOJ08 - CBM ██████████ Sub-Sub-C		
			JOSJF - CBM ██████████ Swgr UPGR		
			JOV5D - CBM ██████████ Sub-Site		
			JOP35 - CBM ██████████ sub UPGR W&D Xfmrs-Sub C		
			JOP31 - CBM ██████████ - UPGR Sub UG-C		
			JOJ53 - CBM ██████████ Sub UPGR-Sub-C		
			JOJ5J - ██████████ 1 UPGR-Sub-C		
			JOZ7B - CBM ██████████ Sub UPGR SWGR W-UG-C		
			JOP32 - CBM ██████████ Sub UPGR-UG-C		
			JOXQK - ██████████ Pad-mount-XFMR- Line-C		
			JOZFC - ██████████ Pad-mount XFMR- Line-C		
			JOJ4G - ██████████ Xfmr W UPGR-Sub-C		
			JOXV3 - CBM ██████████ Sub UPGR Swgr W-Sub-C		
			JOP2C - CBM ██████████ Sub UPGR-Line-C		
			JOP4B - CBM ██████████ Sub UPGR-Sub-C		
			JOJ5V - CBM ██████████ Sub UPGR-Sub-C		
			JOJ2F - ██████████ - Add Scada-Sub-C		
			JOP3C - CBM ██████████ UPGR-Sub-C		
			J122J - CBM ██████████ Sub, Modernize-Line-C		
			J112F - ██████████ Sub Upgrade-Line-C		
			J12QX - CBM ██████████ UPGR-Line-C		
			J112D - ██████████ Sub Upgrade-UG-C		
			J12QZ - CBM ██████████ UPGR-UG-C		
			JOJ41 - ██████████ 1 UPGR		
			JOXNC - ██████████ Sub Upgrade-Site		
			J11VS - CBM ██████████ Sub Upgrade-Sub-C		
			J12R3 - ██████████ Sub Upgr-6090 XMSN-C		
			J12R4 - ██████████ Sub Upgr-6087 XMSN-C		
			J12R5 - ██████████ Sub Upgr-6093 XMSN-C		
			J12R6 - ██████████ Skid-mount Sub- Sub-C		
			JOJ0Q - CBM ██████████ Upgr LINE-C		
			JOSJN - CBM ██████████ Sub UPGR-Line-C		
			JOJ8J - CBM ██████████ Sub-UG-C		
			JOSJ4 - CBM ██████████ Sub, Modernize-UG-C		
			24548 - CBM ██████████ Sub-Sub-C		
			UEC10846 - ██████████ -12 UPGR Sub		
			Sub/Switchgear Upgrades Total	82,676	440,462
			Substation Spill Control		
			UEC10761 - ██████████ Remediation - capital		
			Substation Spill Control Total	11	11
			Substations - Condition Based Modernization Total	91,311	473,385
			System Hardening		
			Subtransmission Upgrades		
			JONVG - Subtransmission Upgrades - 2024		
			JONV9 - ██████████ -71 Recon PH 2		
			JOQ8K - ██████████ -74 PH 2		
			JONTW - ██████████ 165-56		
			JONR1 - ██████████ -44 Pole UPGR Phase 4		
			JONR5 - ██████████ Phase 4		
			JONRG - ██████████ -71 34kV Rebuild		
			JONR6 - ██████████ -72, Circ UPGR		
			JOVTR - ██████████ 73-76 Insulator Upgrade		
			JOVSB - ██████████ -80 & ██████████ -79 Reconductor		
			JOVHN - ██████████ -75 UPGR		
			JOVLT - ██████████ -76 UPGR		
			JOVLS - ██████████ -75 Static Protection		
			JOVTP - ██████████ -76 Circuit Perf Improvement		
			JOVS8 - ██████████ -74 Circuit Improvement Ph2		
			JOVWG - ██████████ -73 Relocation		
			JONRH - ██████████ -72 34kV UPGR		
			J1079 - ██████████ UPGR		
			J1077 - ██████████ -76 Phase 3		
			J1071 - ██████████ -71 UPGR		
			J1095 - ██████████ -74		

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			J106V -74 UPGR J0XN9 -75 UPGR J104L -73 Upgrade J1080 -74 SYSTEM HARDENING J106X -44 Pole UPGR Phase 5 J1072 -9 Phase 5 J0ZQ3 -71 34KV J107C -71 34kV Storm Hardening J1085 -76 34KV UPGRD J0ZZZ -72 Upgr - Line C J12P4 -71 Circuit UPGR J1010 -76 Upgr - XMSN ROW J10CL -76 Upgr - XMSN ROW J0NVL -73, Reconductor J12FX -77 Relo - UG-C J12FZ -FOL-1 UG-C J107B -72 34kV Storm hardening J0VJS -185-52 Add Tie UEC10819 -81 UPGR		
		Subtransmission Upgrades Total		58,395	320,194
	System Hardening Total			58,395	320,194
	UG Cable Upgrades	OH to UG	23412 - OTU 543-51 24007 - OTU 543-56 23374 - OTU 141-8 J0X00 - OTU 051 COH J0X04 - OTU 52 COH J112W - OTU 228-55 J1222 - OTU 197-57 J1223 - OTU 262-52 J124Z - OTU 855-52 UEC10729 - OTU 156-02 UEC10730 - OTU 254-58 UEC10748 - OTU 295-57 J12HX - OTU 110-58 UEC10325 - OTU 102-006		
		OH to UG Total		838	838
		UG Cable Upgrades	0A018 - C-UPGR Program-E46 J0SWL - C-UPGR - PILC J0WZT - C-UPGR 282055 J0IQT - C-UPGR 259-58 J0JSH - C-UPGR 543-56 J0X08 - C-UPGR 252 PILC J1224 - C-UPGR 675-51 J1225 - C-UPGR 223-51 J12B5 - C-UPGR 593-53&56 PH4 J128D - C-UPGR 642-53 J12HM - C-UPGR 044, PILC J12HP - C-UPGR 580-52 J12HQ - C-UPGR 137-54 UEC10518 - C-UPGR - UPGR PILC PH A UEC10520 - C-UPGR 169-56 UEC10728 - C-UPGR 254-58 UEC10747 - C-UPGR 254-52 UEC10749 - C-UPGR 229-52 UEC10750 - C-UPGR 191-52 UEC10751 - C-UPGR 218-53 UEC10752 - C-UPGR 155-04 UEC10764 - C-UPGR Sub-UPGR PILC UEC10885 - C-UPGR Sub - PILC UEC10886 - C-UPGR 2 235-52 UEC10887 - C-UPGR 271-54 UEC10888 - C-UPGR 267-53 UEC10889 - C-UPGR 642-53 UEC10890 - C-UPGR 280-52		

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Ameren Missouri 1 & 5-Year Total Electric Customer-Focused Capital Investment Plan - Grid Modernization Projects

\$ - Thousands

Category 1	Category 2	Category 3	Project Detail	2024	5-Year
			UEC10891 - C-UPGR 512-53		
			UEC10892 - C-UPGR 195-55		
			UEC10895 - C-UPGR 273-57		
		UG Cable Upgrades Total		50,935	290,026
	UG Cable Upgrades Total			51,773	290,864
	UG Revitalization	Indoor Rooms			
		Indoor Rooms Total			1,894
		UG Revitalization	OA321 - OA321-MDI-Underground Renewal JOHP1 - OA321-480V -XFMR PTO UPGR JOHP3 - OA321 -Vault JOGBG - OA321 NW35 Ref JOGBH - OA321 NW48 Reformation JOGBL - OA321 NW12 Reformation JOHP0 - OA321 CAB JOJ5Z - OA321 CAB-Sect Upgr JOJ6Z - OA321 216V Grid - XFMR PTO JOJDR - OA321 NW11 ReRoute Cab JOJDS - OA321 NW4 ReRoute Cab JOJFQ - OA321 52 ReRoute Cab JOJFS - OA321 55 ReRoute Cab JOJFT - OA321 NW9 ReRoute Cab JOJ60 - OA321 -NW-4-6-5-7 Prim-CAB-Sect JOKNL - OA321 -NW-1-8 Prim-CAB-Sect JOJFH - OA321 CAB-MH Diversity JOJFK - OA321 Cond JOJFL - OA321 Conduit JOJFP - OA321 Conduit JOKNZ - OA321 -DA-Sectionalizing JO3P7 - OA321 Cable JOJFN - OA321 XFMR JOKNQ - OA321 CAB-Sect Upgr JOP4P - OA321 -VLT-XFMR CAB UPGR JOP4R - OA321 -75 PILC Upgr JONBD - OA321 JONB1 - OA321 Conduit JOKNX - OA321 CAB-Sect Upgr JORZ3 - OA321 - DA Controls SWO JOVV1 - OA321 -56 Reroute & PILC J12ZW - RUSL - UG Cond J12ZX - RUSL - UG Cond J12ZZ - RUSL - UG Cond J1300 - RUSL - UG Cond J1301 - RUSL - UG Cond UEC10511 - OA321 -NW-3 Reformation UEC10512 - OA321 -NW-10 Reformation JOFD8 - OA321 -NW-6 CAB-Sec Upgr JOGBF - OA321 NW1267 Ref JOQO9 - OA321 41 -UG Loop UEC10918 - OA321 -55 Reroute Cab UEC10919 - OA321 -56 Reroute Cable JOHP2 - OA321 -Network PROT PLTE Cab		
		UG Revitalization Total		39,036	169,643
		UG Manhole/Vault	OA669 - UG-MH&VLT Upgr-SWO JOH3S - UG-VLT Upgr JOMP3 - UG-VLT Upgr JOQJR - UG-VLT Upgr JORT6 - UG-MH Upgr JORT7 - UG-MH Upgr JOTR1 - UG-MH Upgr JOTTC - UG-MH Upgr JOTZQ - UG-MH Upgr JOV3W - UG-MH Upgr JOV93 - UG-MH Upgr JOV94 - UG-MH Upgr		

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Ameren Missouri 1 & 5-Year Total Electric Customer-Focused Capital Investment Plan - Grid Modernization Projects

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Category 1	Category 2	Category 3	Project Detail	2024	5-Year
			J0V95 - UG-MH Upgr J0W2X - UG-MH Upgr J0WWS - UG-MH Upgr J0VG7 - UG-MH UPGR J0VG8 - UG-MH UPGR J0VG9 - UG-MH UPGR J0X22 - UG-MH Upgr J0XDZ - UG-MH Upgr J0XF0 - UG-MH Upgr J0XFW - UG-VLT Upgr J0XKG - UG-MH Upgr J0XP5 - UG-MH Upgr J0Z7F - UG-MH Upgr J10NR - UG-MH Upgr J10TL - UG-VLT Upgr J10ZQ - UG-MH Upgr J11RT - UG-MH Upgr J11RW - UG-MH Upgr J11V0 - UG-MH Upgr J11V1 - UG-MH Upgr J121F - UG-MH Upgr J129F - UG-VLT Upgr J12HB - UG-VLT Upgr J12NQ - UG-MH Upgr J12NR - UG-MH Upgr J12NS - UG-MH Upgr J1309 - UG-MH Upgr J130C - UG-MH Upgr UEC10735 - UG-MH Upgr UEC10736 - UG-MH Upgr UEC10737 - UG-MH Upgr UEC10738 - UG-MH Upgr J0RZ9 - UG-MH Upgr J0S66 - UG-MH Upgr J0T57 - UG-MH Upgr J0TCP - UG-MH Upgr J0TGF - UG-MH Upgr J11S2 - UG-VLT Upg UEC10801 - UG-MH Upgr UEC10802 - UG-MH Upgr		
		UG Manhole/Vault Total		7,557	35,367
	UG Revitalization Total			46,593	206,904
Smart, Reliable Grid Operations Total				453,673	2,214,742
Smart Meter Program	Smart Meter Program	Smart Meter Program	J0D07 - SMP Elec Meters & Install SWO J0D05 - SMP Ntwk Eqplnst J0L2K - SMP MkRdy J0L2Q - SMP Ntwk Eqplnst J0D0L - SMP Eqplnst J0BJD - SMP MkRdy&Ntwrk Eqplnst J0L2J - SMP MkRdy J0L2L - SMP MkRdy J0L2N - SMP MkRdy J0L2T - SMP MkRdy		
		Smart Meter Program Total		33,603	42,968
		Customer Requirements & Communications	J0DWD - SMP Communications UEC10630 - SMP TOU System Integration		
		Customer Requirements & Communications Total		707	829
	Smart Meter Program Total			34,310	43,797
Smart Meter Program Total				34,310	43,797
Non-Nuclear Generation & Environmental	Grid Performance	Cyber Security Upgrades/New Technologies	J0JN1 - Cybersecurity- Priority 1 J129D - Identity Access Mgmt Add J129G - Identity Access Mgmt Add J12BX - Meter Network		

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Ameren Missouri 1 & 5-Year Total Electric Customer-Focused Capital Investment Plan - Grid Modernization Projects

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Category 1	Category 2	Category 3	Project Detail	2024	5-Year
			UEC10985 - Cyber Defense: 2023 OPDS-1000 UPGR		
			Cyber Security Upgrades/New Technologies Total	718	718
			Exciter Upgrades	J05Q9 - J05Q9 U3 Excitation UPGR	
			Exciter Upgrades Total	4,104	4,360
			GSU Transformer Upgrades		
			GSU Transformer Upgrades Total		1,587
			Grid Performance Total	4,822	6,665
Non-Nuclear Generation & Environmental Total				4,822	6,665
Nuclear Generation	Grid Performance	Controls Upgrades for Faster Ramp Rates/Lower Minimums	J0F5W - Digital Feedwater UPGR J0PLL - Exciter XFMR UPGR		
		Controls Upgrades for Faster Ramp Rates/Lower Minimums Total		18	505
		Switchyard Breaker/Relay Upgrades	J0CW9 - SPV Relay UPGR		
		Switchyard Breaker/Relay Upgrades Total		1,021	7,721
		Grid Performance Total		1,039	8,226
Nuclear Generation Total				1,039	8,226
Hydro Generation	Grid Performance	Cyber Security Upgrades/New Technologies	J1298 - Identity Access Mgmt Add J1299 - Identity Access Mgmt Add J12BS - MV90 Meter Network		
		Cyber Security Upgrades/New Technologies Total		159	159
		Exciter Upgrades	J0XV1 - Exciter Upgr J02SV - Exciter UPGR J02NO - 1 Exciter UPGR		
		Exciter Upgrades Total		3,748	4,987
		GSU Transformer Upgrades	J03HN - GSU XFMR UPGR J0KTB - GSU XFMR UPGR		
		GSU Transformer Upgrades Total		4,413	20,161
		Grid Performance Total		8,320	25,307
Hydro Generation Total				8,320	25,307
Renewable & Gas Turbine Generation	Grid Performance	Cyber Security Upgrades/New Technologies	J1291 - CTG Identity Access Mgmt Add J1292 - CTG Identity Access Mgmt Add J1296 - CTG Identity Access Mgmt Add J12B7 - CTG MV90 Meter Network		
		Cyber Security Upgrades/New Technologies Total		315	1,269
		Exciter Upgrades	J0KQ2 - CTG Excitation System UPGR J0KQ7 - CTG Excitation Systems UPGR		
		Exciter Upgrades Total		960	3,572
		Renewables	J0R7H - REC Facility J0RPS - REC Facility J11TD - Solar REC Interconnection J0RF3 - REC - Land J12KW - Renew Ops Spare 50MVA 34/69kV XFMR UEC10830 - Solar Phase 2		
		Renewables Total		48,818	207,299
		Grid Performance Total		50,093	212,140
	Modernization	Physical Security Upgrades	J10XH - CTG Physical Security Upgr		
		Physical Security Upgrades Total		270	270
		Modernization Total		270	270
	Reliability	Component Replacements	UEC10935 - CTG Auto Transfer Switch UPGR		
		Component Replacements Total		66	66
		Reliability Total		66	66
Renewable & Gas Turbine Generation Total				50,429	212,476
Secure & Reliable Transmission	Grid Performance	Line Reliability Improvements	J0PVR - J817 -3 (161kV) - Reroute J0QD3 - -7407 - Reroute J0Q6J - -3 (345kv)-Rebuild J0QVR - -7 - Insulators and ABPDs J0SLW - -Tie In J0HZT - 345kv Line Rbld J0Q79 - DC 345/161 kV Line J0TJ4 - Re-Route -1 J0TWF - Reroute J0V2N - -4 Reroute J0HZS - -5-4 138 kV RBLD		

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Ameren Missouri 1 & 5-Year Total Electric Customer-Focused Capital Investment Plan - Grid Modernization Projects

\$ - Thousands

Category 1	Category 2	Category 3	Project Detail	2024	5-Year
			J0W1W - 345kV Line Rebuild		
			J0X9D - 3 Lead Line Re-Config		
			J0XQR - (J1087) -2 Reroute		
			J0XQS - -6 - J976 Reroute		
			J0XQW - -6 - J987 Reroute		
			J0XR5 - -4 - J987 Reroute		
			J0XRF - -3 - J987 Reroute		
			J0Z07 - -5 Reroute		
			J0Z08 - -2 Reroute		
			J0ZM1 - -2 Tie In		
			J0ZM2 - -1(345kV) Tie In		
			J1094 - -1 161 kV Reroute (J1268)		
			J10QR - -5470 345 kV Re R J1145		
			J0Z6S - -3 Reroute (J1034)		
			J100P - -1 161 DC TAP RBLD		
			J0Z1L - 092 Reroutes		
			J0Z1M - 3 Reroute (071)		
			J0Z1S - 002 Reroutes BAAH		
			J0Z1T - -3 Reroute (024)		
			J0Z1V - -7231 DC		
			J0Z26 - Supply Line Split		
			J0Z2Q - -1 Reroute		
			J0Z41 - -3 Reroute		
			J0ZFX - -3-4 138 kV Reconductor		
			J10W9 - -2 161 kV Rebuild		
			J118Q - 161 kV (J1025-J1182)		
			J0ZFP - -161 kV SC Rebuild		
			J0Z3M - -7324 (UEC)		
			J104J - 138 kV RECON		
			J104K - 138 kV RECON		
			J12KC - 161kV Conductor		
			J12N4 - L RTP UEC 2024		
			J12SC - -6 OPGW Splice Box		
			J12V5 - -3 161 kV (J817) Reroute		
			J1335 - Easements		
			J125P - -4577 345kV Reroute		
			J12Z7 - -1351 138 kV Prop Pole		
			UEC10718 - -1 138 kV STR UPGR Phase 2		
			UEC10721 - 1&2 138kV STR		
			UEC10727 - -3 161 kV Partial RBLD		
			UEC10734 - -5470 345 kV Full RBLD		
			UEC10744 - -1 161 kV Partial RBLD		
			Line Reliability Improvements Total	75,573	343,490
			Mobile Transformers		
			J0H64 - XFMR 345/138kV-UE		
			Mobile Transformers Total	7,696	7,696
			Substation Reliability Improvements		
			J0HZJ - 138kV Ring Bus		
			J0HZQ - 138kV Ring Bus		
			J0HZR - RB Line Work		
			J0RSB - -1-2 Tie-In		
			J0PWP - J817 Network UPGR		
			J0Q77 - 345kV Ring Bus		
			J0J7V - Substation Rebuild		
			J0PWJ - J817 IF Line POS		
			J0TXG - Relay Upgrades		
			J0V0S - 69kV Terminal Posn		
			J0VX8 - -6093		
			J0VX9 - -6540 Tie-In to Bugle		
			J0VXB - -6087 Line		
			J0VXD - -6090 Line		
			J0TM4 - Communication Equipment		
			J0X1Q - 345kV Aging Infrastructure		
			J0WGT - 138kV Station UPGRs		
			J0HZK - -6587 Tie-In		
			J0TQK - Comm Equipment		

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Ameren Missouri 1 & 5-Year Total Electric Customer-Focused Capital Investment Plan - Grid Modernization Projects

\$ - Thousands

Category 1	Category 2	Category 3	Project Detail	2024	5-Year
			J0XCJ - Relay Upgrades		
			J0XQM - (J1107) KEL-LUTS-1 Reroute		
			J0XR8 - (J1087) Ring Bus		
			J0XRG - (J1107) Ring Bus (NU)		
			J0XRL - - Relay Upgrade (J976)		
			J0XRM - (J1107) Ring Bus Comms		
			J0XRN - (J1087) Ring Bus Comms		
			J0XRS - (J976) - Ring Bus		
			J0XSM - (J1107) - IF Position		
			J0XSP - (J1107) Property Purchase		
			J0XSQ - (J976) - Property Purchase		
			J0XTP - 2nd 345kV XFMR		
			J0XTQ - 345kV Bus Upgrade		
			J0XTR - 161kV Cap Bank		
			J0Z1K - Ring Bus Comms		
			J0Z3C - Property		
			J0Z3D - Ring Bus		
			J0Z6T - (J956) IF Position		
			J0Z9Z - High Side BRKR (2)		
			J10QP - 345 kV (J1145) NU Ring Bus		
			J10QQ - 345 kV (J1145) IF Position		
			J10QW - 161 kV Ring Bus ADD		
			J10RF - 345 kV (J1145) COMM EQPT		
			J0XSW - (J976) Ring Bus Comms		
			J0XXL - 161 Station Upgrades		
			J0XXN - Station Upgrades		
			J0XZ2 - High Side Devices		
			J0Z09 - High Side Devices		
			J0Z27 - Aging Infrastructure		
			J0Z2R - Aging Infrastructure		
			J0Z6G - Ring Bus (J1034)		
			J0Z6Q - (J1034) IF Position		
			J10J6 - 345 kV COMM EQPT		
			J10RU - STATCOM Network Comms		
			J0XZ8 - Station Upgrades		
			J0Z1Q - Substation Rebuild		
			J0Z1R - Line Position		
			J0Z2X - High Side Device		
			J0Z3J - High Side Device		
			J0Z3W - Aging Infrastructure		
			J0ZGS - 138 kV MTM EXP		
			J0Z47 - Line Breaker -3)		
			J108N - 161 kV Ring Bus NU J1268		
			J10QT - 345 kV Relay UPGR (J1145)		
			J11NB - 161kV Ring Bus IF (J1268)		
			J0XJ3 - 34.5kV Feeders		
			J0XXU - 138kV Station Upgrades		
			J0XXW - Station Upgrades		
			J0Z1W - Aging Infrastructure		
			J117D - 345 kV GEN Bus (J956/J1026) MP		
			J118P - 345 kV (J1026) IF Pos		
			J0Z3H - Aging Infrastructure		
			J0Z4F - XFMR 1 High Side Device		
			J0W1V - Station UPGR		
			J0XQX - (J1087) 161 kV IF POS		
			J0XR3 - (J987) 161 kV IF POS		
			J0XS9 - (J976) 345 kV IF POS		
			J0Z9W - 161 kV (2) Circuit Switcher		
			J113H - 345kV Property Acquisit		
			J1230 - 138 kV AI		
			J125H - 345kV BAAH		
			J12DJ - STATCOM Network Comms		
			J12DK - 345/138 kV COMM EQUIP		
			J12DL - 161 kV COMM EQUIP		

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Category 1	Category 2	Category 3	Project Detail	2024	5-Year
			J12DP - STATCOM Network Comms J12FW - 4 Line Switches J12T8 - 345 kV CCVT UPGR J135G - 161 kV Comm EQPT UEC10552 - 345 kV (J1352) NU RB J138H - 345 kV Property Acquisition UEC10563 - 345 kV (J1352) IF POS J0XQ6 - J0XQ6 - (J994)-138KV Line Position (IF) J0XQ7 - J0XQ7 - 138KV (J994)-Bus Expansion (NU) J109S - 161 kV Comm Equip (J1268) J122M - 161 kV Property ACQ J122Z - 138 kV AI TRANS J12DN - 138 kV STATCOM Network Equip J12T0 - 161 kV Property ACQ-J12T0 UEC10719 - 345 kV Ring Bus EXP UEC10720 - 345 kV Substation NU UEC10742 - 161 kV Substation NU UEC10743 - 161 kV Substation NU UEC10555 - .5503 345 kV (J1352) Reroute		
		Substation Reliability Improvements Total		83,247	752,953
		VAR Compensation	J0XXZ - 138kV Statcom J0Z7T - 161 kV Statcom J0Z7V - 161 kV Statcom Position J0Z7W - 138 kV Statcom Position J0Z7X - 138 kV Statcom J0Z7Z - Statcom Position J0Z8B - 138 kV Statcom J0ZG5 - 138kV STATCOM TERM ADD J10VZ - 138 kV CAP Bank J125Q - 138 kV STATCOM J125R - 138 kV STATCOM Position		
		VAR Compensation Total		57,633	72,849
Grid Performance Total				224,149	1,176,988
	Modernization	Breaker Upgrades	J0C63 - Circuit Breaker UPGR		
		Breaker Upgrades Total		62	62
		Transformer Upgrades	J0HK5 - XFMR 1 Upgr w/ Brkr J0HK6 - XFMR 2 Upgr J0J7X - Sub XFMR-BRKR, switch UPGR J0ZGT - 345/138 kV XFMR 1 UPGR J0J7W - XFMR 1 Upgr		
		Transformer Upgrades Total		19,664	41,176
Modernization Total				19,726	41,238
	Smart Grid	Intelligrid	J0NMS - INTG Access Mod 2		
		Intelligrid Total		44	44
		Monitoring Upgrades	J0R88 - New Tower Lights J0R89 - New Tower Lights J0R8D - New Tower Lights J0R8F - New Tower Lights J0R8G - New Tower Lights J0R8K - New Tower Lights J0R8L - New Tower Lights J0R8Z - New Tower Lights J0R90 - New Tower Lights J0R92 - New Tower Lights J0R93 - New Tower Lights J0R94 - New Tower Lights J0R98 - New Tower Lights J104S - Comm Equip J0R8B - New Tower Lights J0R8C - New Tower Lights J137S - MV90 UEC10716 - Battery Monitoring System		

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Category 1	Category 2	Category 3	Project Detail	2024	5-Year
			J0W0N - Battery Monitoring Sys		
			J137T - MV90		
			Monitoring Upgrades Total	6,621	7,043
			Relay Upgrades		
			J0NB2 - Remote End Work		
			J0NB6 - Remote End Work		
			J06FP - add relay requirements		
			J0NB8 - Relay UPGR		
			J0TDR - Bus 3 Upgrades		
			J0TXR - (161kV) Breaker Relay UPGR		
			J0VFG - 345kV Relay UPGR		
			J0VFH - 345kV Relay UPGR		
			J0W81 - Relay Upgrade		
			J0NB3 - Remote End Work		
			J0R6H - Relay UPGR		
			J0XJ7 - (161kV)-IF Line Pos		
			J0XQQ - (J1087) Relay Upgds		
			J0XQZ - Relay Upgrade (J1087)		
			J0XR6 - (J1107) Relay Upgrade		
			J0XR7 - (J1107) Relay Upg.		
			J0Z2C - Relay Upgrade (J976)		
			J0Z5Z - Relay Upgrades		
			J0ZFH - Relay Upgrades		
			J0ZFJ - Relay Upgrades		
			J117C - Remote End Work		
			J0ZGP - 138 kV RLY UPGR RMT END		
			J0ZGR - 138 kV RLY UPGR RMT END		
			J0ZGQ - 138 kV RLY UPGR RMT END		
			J0TLL - 345 kV RLY UPGR		
			J0JHM - 138/345 kV AI		
			J0R6J - Relay UPGR		
			J0Z5X - Relay UPGR		
			J11QG - Easements -5690		
			J125D - 345 kV RLY UPGR RMT END		
			J125N - 345 kV RLY UPGR RMT END		
			J1288 - 138 kV RLY UPGR RMT END		
			J1246 - 138 kV RLY UPGR RMT END		
			J1258 - 138 kV RLY UPGR RMT END Trans		
			UEC10759 - 345 kV NU RLY UPGR RMT END		
			UEC10760 - 345 kV NU RLY UPGR RMT END		
			UEC10952 - 345 kV Bus 2 Relay Upgrade		
			UEC10954 - 345 kV Bus 1 Relay Upgrade		
			Relay Upgrades Total	10,624	28,337
			Smart Grid Total	17,289	35,424
			Secure & Reliable Transmission Total	261,164	1,253,650
Cyber & Technology Upgrades	Business & Corp Services	Department System Upgrades	UEC10490 - GNMM Protection UEC		
			UEC10491 - GNMM Sub-Transmission UEC		
			UEC10498 - GNMM Distribution Planning UEC		
			Department System Upgrades Total	489	3,419
			Enterprise System Upgrades		
			J0M01 - UPGR Security Camera - UEC GENERAT		1
			Enterprise System Upgrades Total	489	3,420
			Business & Corp Services Total		
	Customer Support	Customer System Enhancements	J10J0 - AMI Digital Invest Pln - 2024 - UEC		
			J10S7 - Lifecycle DC AMI - 24-25 - UEC		
			Customer System Enhancements Total	774	3,145
		IntelliGrid	J0SL5 - INTG AM UEC NG4 GP		
			J0BXZ - INTG Acc Med Holdg UEC		
			IntelliGrid Total	102	114
		Work & Asset Mgmt System Upgrades	J10VM - DFE: CE Electric Ops - 2024 - UEC		
			J103C - ADMS Switching UEC		
			J0S7J - ADMS Upgrade 2024-25 UEC		
			J0ZZ4 - GIS CE Electric - 2024 - UEC		
			J10SC - DERMS 2024 UEC		
			J10SV - F&G Electric Grid - 2024 - UEC		

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Category 1	Category 2	Category 3	Project Detail	2024	5-Year
			J10VG - F&G Secure Energy Prod - 2024 - UEC J0ZWQ - Integr. Grid Plan. Sol. 2024 UEC UEC10459 - AMI Improve IOC Network 24 - UEC		
			Work & Asset Mgmt System Upgrades Total	16,675	93,112
			Customer Support Total	17,551	96,371
	Cyber Security	Cyber Security Upgrades/New Technologies	J104M - ██████████ Non CDAs -UEC J12NN - MEEIA-4 Res Web - UEC J109P - PAM Privileged Access Mgmt UEC '24 UEC10670 - PAM CyberArk Renewal 24 - UEC J139H - Threat Mgmt Services 2024 HWD-UEC J0ZVS - OT IDS UPGR Hdw-UEC J10C2 - Verve Asset Mgmt ED Field 2024 - UE J11C7 - OT/Protect Endpoint Security UEC UEC10838 - OT IDS UPGR 23-24 - UEC UEC10898 - OT IDS ██████████ UEC10899 - OT IDS ██████████ UEC10900 - OT IDS ██████████ UEC10902 - OT IDS ██████████ UEC10903 - OT IDS ██████████ UEC10904 - OT IDS ██████████ UEC10905 - OT IDS ██████████ UEC10907 - OT IDS ██████████ UEC10908 - OT IDS ██████████ UEC10910 - OT IDS ██████████ UEC10911 - OT IDS ██████████ UEC10912 - OT IDS ██████████ UEC10913 - OT IDS ██████████ UEC10914 - OT IDS ██████████ UEC10915 - OT IDS ██████████ UEC10916 - OT IDS ██████████ 23-24 - UEC UEC10917 - OT IDS ██████████ UEC10920 - OT IDS ██████████ UEC10921 - OT IDS ██████████ UEC10923 - OT IDS ██████████ UEC10924 - OT IDS ██████████ UEC10925 - OT IDS ██████████ UEC10926 - OT IDS ██████████ UEC10927 - OT IDS ██████████		
			Cyber Security Upgrades/New Technologies Total	3,693	32,513
			Cyber Security Total	3,693	32,513
	Foundational Enablers	Analytics & Process Automation	J10ZV - DL - New Build Data Modern 2024 UEC UEC10485 - GNMM Foundation ADMS UEC		
			Analytics & Process Automation Total	3,565	17,668
			Foundational Enablers Total	3,565	17,668
	Run The Business	Network & Server Upgrades	J0W1L - NtwkComm Twr DC Battery Plant UEC24 J10J8 - Comm Towers Upgrade-2024-AMO J10PD - Ntwrk Microwave UPGR-P2-2024-UEC J10RS - OT Network Equipment-2024-UEC UEC10661 - Telecom Shelter UPGR 24-25-UEC		
			Network & Server Upgrades Total	1,963	5,397
		User Technology Upgrades	UEC10668 - eADMS Tech Refresh 2024 UEC		
			User Technology Upgrades Total	575	575
			Run The Business Total	2,538	5,972
			Cyber & Technology Upgrades Total	27,836	155,944

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

Ameren Missouri 1 & 5-Year Total Electric Customer-Focused Capital Investment Plan - Ongoing Operations

\$ - Thousands

Category 1	Category 2	Category 3	2024	5-Year	
Smart, Reliable Grid Operations	Distribution Operations	Customer Requested	8,754	39,306	
		Emergency Work	16,036	82,724	
		Emergent Business	57,899	310,918	
		Fleet	30,186	159,665	
		General Plant	4,000	15,717	
		Government Relocations	9,536	44,214	
		Reliability & NESC	31,312	166,353	
		Transformers & Tools	37,053	237,375	
		Worst Performing Circuits	1,663	8,400	
		Office Furniture & Fixtures	630	3,234	
		Storms Rebuild	3,498	20,067	
		Circuit Inspection Resulting Work	35,293	161,645	
		UG Inspections Resulting Work	2,097	12,319	
		Device Inspection Resulting Work	756	3,947	
		Street Light Inspection Resulting Work	66	399	
		Distribution Operations Total			238,779
	Grid Resiliency/Operating Flexibility		Convert 4kV to 12kV	371	372
			Line Capacity Increases	5,148	89,724
			Substation Capacity Increases	319	320
			Switches	6,941	29,305
Grid Resiliency/Operating Flexibility Total			12,779	119,721	
Substations - Condition Based Modernization		Substation Spill Control	929	4,764	
Substations - Condition Based Modernization Total			929	4,764	
System Hardening		Brittle Conductor Upgrades		584	
		Inaccessible Circuit Relocations	57	451	
System Hardening Total			57	1,035	
Smart, Reliable Grid Operations Total			252,544	1,391,803	
Non-Nuclear Generation & Environmental	Modernization	Component/Material Upgrades	33,213	84,346	
		Controls/Communication Upgrades	18,970	44,053	
		Physical Security Upgrades	292	292	
	Modernization Total			52,475	128,691
	Regulatory & Facilities		Facility Upgrades	2,568	7,081
			Regulatory Required	27,859	51,784
	Regulatory & Facilities Total			30,427	58,865
Reliability		Component Replacements	85,522	705,632	
Reliability Total			85,522	705,632	
Non-Nuclear Generation & Environmental Total			168,424	893,188	
Nuclear Generation	Modernization	Component/Material Upgrades	47,455	243,027	
		Physical Security Upgrades	8	3,555	
	Modernization Total			47,463	246,582
	Regulatory & Facilities		Facility Upgrades	642	1,375
			Regulatory Required	27,261	36,982
	Regulatory & Facilities Total			27,903	38,357
Reliability		Component Replacements	32,526	223,343	
Reliability Total			32,526	223,343	
Nuclear Generation Total			107,892	508,282	

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

Ameren Missouri 1 & 5-Year Total Electric Customer-Focused Capital Investment Plan - Ongoing Operations

\$ - Thousands

Category 1	Category 2	Category 3	2024	5-Year
Hydro Generation	Modernization	Component/Material Upgrades	2,581	16,618
		Controls/Communication Upgrades	1,481	1,754
	Modernization Total		4,062	18,372
	Regulatory & Facilities	Facility Upgrades	6,083	58,195
		Regulatory Required		979
	Regulatory & Facilities Total		6,083	59,174
	Reliability	Component Replacements	23,622	55,505
Reliability Total		23,622	55,505	
Hydro Generation Total			33,767	133,051
Renewable & Gas Turbine Generation	Grid Performance	Renewables	980,057	3,137,439
	Grid Performance Total		980,057	3,137,439
	Modernization	Component/Material Upgrades	1,521	10,082
		Controls/Communication Upgrades	5,212	9,760
		Physical Security Upgrades	165	584
	Modernization Total		6,898	20,426
	Regulatory & Facilities	Facility Upgrades	16,979	1,131,544
		Regulatory Required	38	205
Regulatory & Facilities Total		17,017	1,131,749	
Reliability	Component Replacements	14,745	67,085	
Reliability Total		14,745	67,085	
Renewable & Gas Turbine Generation Total			1,018,717	4,356,699
Secure & Reliable Transmission	Grid Performance	Line Reliability Improvements	119	119
	Grid Performance Total		119	119
	Reliability	Condition Based Replacements	23,710	121,688
	Reliability Total		23,710	121,688
	Vehicles, Tools & Other	Vehicles, Tools & Other	10,456	53,089
	Vehicles, Tools & Other Total		10,456	53,089
Secure & Reliable Transmission Total			34,285	174,896
Cyber & Technology Upgrades	Business & Corp Services	Department System Upgrades	10,190	26,125
		Enterprise System Upgrades	25,782	242,496
	Business & Corp Services Total		35,972	268,621
	Customer Support	Customer System Enhancements	23,844	46,612
		Work & Asset Mgmt System Upgrades	1,488	54,584
	Customer Support Total		25,332	101,196
	Cyber Security	Cyber Security Upgrades/New Technologies	7,573	15,737
	Cyber Security Total		7,573	15,737
	Foundational Enablers	Analytics & Process Automation	10,845	21,553
		New Data Centers & Facility Technologies	433	92,369
		New User Technologies	10,474	27,490
	Foundational Enablers Total		21,752	141,412
Run The Business	Network & Server Upgrades	23,031	165,996	
	User Technology Upgrades	2,504	15,692	
Run The Business Total		25,535	181,688	
Cyber & Technology Upgrades Total			116,164	708,654

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

Ameren Missouri 1 & 5-Year Total Electric Customer-Focused Capital Investment Plan - Ongoing Operations

			\$ - Thousands	
Category 1	Category 2	Category 3	2024	5-Year
Operational & Customer Support Facilities	Facilities	Facilities	75,787	298,863
		Security Enhancements	662	1,755
	Facilities Total		76,449	300,618
Operational & Customer Support Facilities Total			76,449	300,618
Innovative Opportunities	Electrification Infrastructure	Electrification Infrastructure	628	628
	Electrification Infrastructure Total		628	628
	Grid Innovative Technologies	Grid Innovative Technologies		311
	Grid Innovative Technologies Total			311
	Other	Other	1,636	8,302
	Other Total		1,636	8,302
Innovative Opportunities Total			2,264	9,241
Ongoing Operations Total			1,810,506	8,476,432
Grand Total - Grid Modernization Projects + Ongoing Operations			2,658,932	12,415,467

Ameren Missouri Electric Customer-Focused Capital Investment Plan - First Adds

Category 1	Category 2	Category 3	Project Detail			
Smart, Reliable Grid Operations	Grid Resiliency/Operating Flexibility	Convert 4kV to 12kV	JOKN8 - [REDACTED] New 34-12 kV Sub-UG-C			
			JOKSR - [REDACTED] New 34-12 kV Sub-Sub-C			
			JOSHJ - [REDACTED] 12 kV Sub-UG-C			
			JOSGC - [REDACTED] 12 kV Sub-Line-C			
			JOSH5 - [REDACTED] 12 kV Sub-Sub-C			
	Substation Capacity Increases			JOJFD - [REDACTED] 138-12kV-UG-C		
				JOJF0 - [REDACTED] 138-12kV - Line - C		
				JOJL1 - [REDACTED] 138-12kV - Sub - C		
						UEC10731 - OCB-UPGR [REDACTED] positions
						JOJWZ - Relay Upgr [REDACTED] -69-161/69kv XFMR
Substations - Condition Based Modernization	OCB Upgrades		JOJX3 - Relay Upgr [REDACTED] 34 Sub-XFMR 3			
					Relay Upgrades	
	Sub/Switchgear Upgrades			JOJFX - CBM [REDACTED] -UG-C		
				JOJGH - CBM- UPGR [REDACTED] sub D		
				JOJT9 - [REDACTED] - Upgr Xfmr #2		
				JOKSD - [REDACTED] - Switchgear		
				JOP33 - CBM [REDACTED] Sub Upgrade-Sub-C		
				JOCHM - CBM [REDACTED] Sub-Sub-C		
				JOP3V - [REDACTED] UPGR		
				JOP4H - CBM [REDACTED] Sub UPGR Sub-C		
JOSJH - CBM [REDACTED] UPGR Sub-Sub-C						
J12QR - CBM [REDACTED] UPGR reclosers						
J12R8 - [REDACTED] Sub N Upgrade						
UEC10616 - CBM [REDACTED] Sub, UPGR Unit W						
Secure & Reliable Transmission	Grid Performance	Substation Reliability Improvements	JOG9L - [REDACTED] Sub Add Line BRKRs			
			JOP3P - [REDACTED] 1 UPGR			
			JOP3S - [REDACTED] 4 UPGR			
			JOWMF - [REDACTED] Aging Infrastructure			
			JOWT2 - [REDACTED] Comm Equip			
			JOXXF - [REDACTED] Station Upgrades			
			JOXXC - [REDACTED] Station Upgrades			
			JOZ4B - [REDACTED] Aging Infrastructure			
			JOZ42 - [REDACTED] 161 Aging Infrastructure			
			JOZ4K - [REDACTED] 345 Aging Infrastructure			
			J119K - [REDACTED] 138kV Underground AI UPGR			
			JOZ38 - [REDACTED] 161 kv Ring Bus			
			JOZ3Z - [REDACTED] 161 kv Ring Bus			
			JOZ5K - [REDACTED] 161 kv Property Acquisition			
			JOZ5W - [REDACTED] XFMR 4 UPGR			
			JOZ8C - [REDACTED] Property			
			J12VZ - [REDACTED] 161 kv Property Acquisition			

NOTE: "First Add" projects are ready to execute when unforeseen circumstances require in-budget project deferrals or cuts, or when actual costs are less than forecasted costs on executed projects. This allows budget and grid modernization investment targets to be achieved.

Missouri Smart Energy Plan Project Name Acronym Guide	
ABPD - Anti-Bird-Perching Device	MDI - Missouri Distribution
ADMS - Ameren Data Mgmt System	MER - Meramec Energy Center
ADSS - All Dielectric Self-Supporting Cable	MH - Manhole
AI - Aging Infrastructure	MKRDY - Make Ready
AMI - Advanced Metering Infrastructure	MTM EXP - Main Tie Main Expansion
ARV - Archview Division	MVA - Mega Volt Amps
APT - Apartments	MVD - Meramec Valley Division
BAAH - Breaker and a Half	NMD - Northeast MO Division
BRK / BRKR - Breaker	NTWK - Network
BT - Bus Tie	NWG - Network Group
CAB - Cable	OCB - Oil-filled Circuit Breaker
CAL - Callaway	OH - Overhead
CBM - Condition-Based Modernization	OPGW - Optical Ground Wire
CDA - Critical Digital Asset	OT - Operational Technology
CERT - Customers Exceeding Reliability Threshold	OTU - Overhead To Underground
CKT - Circuit	PCB - Power Circuit Breaker
CMD - Central MO Division	PILC - Paper-Insulated Lead-Covered
COH - Customer Outage Health	PH - Phase
COMM - Communication	PLTE - Private LTE
CON / COND - Conduit	PMU - Phasor Measurement Unit
CTG - Combustion Turbine Generator	POS - Position
CTG VEN - Venice CTGs	PQ - Power Quality
CTL/CNTL - Control	PROT - Protector
C-UPGR - Cable Upgrade	PTO - Pressure, Temp, Oil Level Monitoring
DA - Distribution Automation	RBLD - Rebuild
DAC - Distribution Automation Controller	REC - Renewable Energy Center
DCD - Distribution Control Dept	RECON - Reconductor
DER - Distributed Energy Resources	RELB - Reliability Upgrade
DERMS - DER Management System	RE RTE - Re-route
DFE - Digital Field Experience	RMT END - Remote End
EQPINST - Equipment Installation	ROW - Right of Way
EQPT - Equipment	RTU - Remote Terminal Unit
EV - Electric Vehicle	SITE-C - Site Companion Project *
EXP - Expansion	SMP - Smart Meter Program
EXT - Extension	STR - Structure
FCI - Fault Circuit Indicator	SUB-C - Substation Companion Project *
FDR - Feeder	SWGR - Switchgear
FO - Fiber Optic	SWO - Standing Work Order
GIS - Geographic Information System	SWPD - Switchpad
GNMM - Grid Network Model Management	SWYD - Switchyard
GOB - General Office Building	SX - Sioux Energy Center
GSU - Generator Step Up	T&DD - Transmission & Distribution Design
GWY - Gateway Division	TDL - Terre Du Lac
HISD - High Side	TEMP - Temperature
HMI - Human Machine Interface	TOU - Time-of-use
I/S - In Service	TRANS/XMSN - Transmission
IDS - Intrusion Detection System	TS - Taum Sauk Center
IF - Interconnection Facility	UEC - Union Electric Company
INF - Infrastructure	UG / UND - Underground
INTG - Intelligrid	UG-C - Underground Companion Project *
IOC - Integrated Operations Center	UPGR - Upgrade
KEO - Keokuk Energy Center	VAR - Volt Amp Reactive
LBD - Labadie Energy Center	VLT - Vault
LINE-C - Line Companion Project *	WPC - Worst Performing Circuit
LTC - Load Tap Changer	XFMR - Transformer
*Companions are individual projects that make an over-arching project; by linking projects this way, administrative and executional efficiencies may be achieved.	
Other acronyms and abbreviations not defined in this list are either geographical in nature, are common acronyms (e.g., "MO" - Missouri), are used industry-wide (e.g., "NERC" = North American Electric Reliability Corporation), or are easily recognized.	