

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

\$ - Thousands

Category 1	2021 Actual	2022	2023	2024*	2025*	2026*	Grand Total
Smart, Reliable Grid Operations	650,734	713,219	706,264	761,886	815,209	847,672	3,844,250
Smart Meter Program	81,941	86,598	61,373	34,316	5,738	-	188,025
Non-Nuclear Generation & Environmental	116,975	145,660	101,609	106,762	115,010	162,001	631,042
Nuclear Generation	77,358	102,331	93,164	100,085	99,008	99,366	493,954
Hydro Generation	32,370	37,698	46,547	56,881	21,318	24,576	187,020
Renewable & Gas Turbine Generation	40,979	36,007	28,249	23,874	30,949	7,592	126,671
Secure & Reliable Transmission	257,119	239,265	256,443	343,473	397,973	417,510	1,654,664
Cyber & Technology Upgrades	142,215	155,038	201,110	189,389	215,773	226,432	987,742
Operational & Customer Support Facilities	94,223	88,643	46,742	47,038	36,898	39,908	259,229
Innovative Opportunities	5,176	8,755	7,780	9,849	9,974	9,293	45,651
Grand Total - Capital	1,499,090	1,613,214	1,549,281	1,673,553	1,747,850	1,834,350	8,418,248

Wind Asset Acquisition	518,876
Grand Total, Including Wind	2,017,966

*2024-26 funding level based on assumption of extension of Senate Bill 564.

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	2022	5-Year	
Smart, Reliable Grid Operations	Distribution Operations	Customer Requested	J0TVK - Fleet Services EV Chargers			
		Customer Requested Total			683	683
		Emergent Business	J0VGT - [REDACTED] APTS			
		Emergent Business Total			939	939
		Reliability & NESC	J0V4L - RELE [REDACTED] 585-53			
		Reliability & NESC Total			4	4
	Distribution Operations Total				1,626	1,626
	Grid Resiliency/ Operating Flexibility	Convert 4kV to 12kV	J0WBW - [REDACTED]	34-12kV Sub-Sub-C		
			J0WBX - [REDACTED]	34-12kV Sub-UG-C		
			J0SGF - [REDACTED]	Pad-mount XFMR-Line-C		
J0NWL - [REDACTED]			138-12kV Substation-RE-C			
J0NXF - [REDACTED]			138-12kV Substation-Sub-C			
J0KSR - [REDACTED]			New 34-12 kV Sub-Sub-C			
J0KN8 - [REDACTED]			New 34-12 kV Sub-UG-C			
J0SGC - [REDACTED]			12 kV Sub-Line-C			
J0SH5 - [REDACTED]			12 kV Sub-Sub-C			
J0SHJ - [REDACTED]			12 kV Sub-UG-C			
J0JF6 - [REDACTED]			Sub Second Unit-UG-C			
J0KSM - [REDACTED]			12 kV Sub 2nd Unit-Sub-C			
J0J3L - [REDACTED]			12kV Sub 2nd Unit-UG-C			
J0SHB - [REDACTED]			002-12kV Upgrade			
J0SHD - [REDACTED]			005-12kV Upgrade			
J0SHG - [REDACTED]			006-12kV Upgrade			
J0P1G - [REDACTED]			103-1 12kV Conversion			
J0P1Q - [REDACTED]			Area Conversion-Sub-C			
J0NZP - [REDACTED]			Area Conversion-UG-C			
J0SGD - [REDACTED]			Pad-mount XFMR- Line-C			
J0SGN - [REDACTED]			001-12kV Upgrade			
J0SGQ - [REDACTED]			002-12kV Upgrade			
J0SGR - [REDACTED]			003-12kV Upgrade			
J0SGT - [REDACTED]			004-12kV Upgrade			
J0SGV - [REDACTED]			005-12kV Upgrade			
J0P14 - [REDACTED]			4-12kV Conversion-LINE-C			
J0P01 - [REDACTED]			4-12kV Conversion-UG-C			
J0P24 - [REDACTED]	Pad-mount XFMR-Line-C					
J0P25 - [REDACTED]	Pad-mount XFMR-Site-C					
J0SGG - [REDACTED]	Pad-mount XFMR-Line-C					

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Category 1	Category 2	Category 3	Project Detail	2022	5-Year
Smart, Reliable Grid Operations	Grid Resiliency/ Operating Flexibility	Convert 4kV to 12kV	J0JD7 - [REDACTED] Sub 138-12kV-Line-C J0P2N - [REDACTED] Sub 138-12kV-[REDACTED]-C J0RPX - [REDACTED] New 34-12 kV Sub CNTL-C J0KQD - [REDACTED] New 34-12 kV Sub-Sub-C J0J5P - [REDACTED] New 34-12 kV Sub-UG-C		
		Convert 4kV to 12kV Total		32,681	378,438
		Line Capacity Increases	J0NZQ - [REDACTED]-71 Circuit Improvement - [REDACTED] J0P02 - [REDACTED]-72 RECON to [REDACTED] J0P07 - [REDACTED]-75, Reconductor on [REDACTED] J0VJR - [REDACTED] 630-53 [REDACTED] Extension Ph3 J0T3X - [REDACTED] 630-53 [REDACTED] to [REDACTED] J0T3Z - [REDACTED]-73 Reconductor to [REDACTED] J0SJV - [REDACTED] Pad-mount XFMR-Line-C J0T40 - [REDACTED]-72 UPGR J0RQW - [REDACTED] New 34kV Feed-Line-C J0RR3 - [REDACTED] New 34kV Feed-Sub-C J0V76 - [REDACTED] 168-52 & [REDACTED] 186-51 3-PHS TIE J0VTQ - [REDACTED] 168-52 3-PHS EXTENSION J0P1B - [REDACTED] relieve feeder 195-51 J0WP9 - [REDACTED] - New UG 34.5kV Feed J0P1H - [REDACTED]-80 New 34.5 kV Circuit-Line-C J0P1K - [REDACTED]-80 New 34.5 kV Circuit-UG-C J0P3T - [REDACTED]-80 New 34.5kV Circuit-Sub-C J0RRZ - [REDACTED]-78 Reconductor J0SKV - [REDACTED]-T1 Reconductor-Line-C J0SKN - [REDACTED]-T1 Reconductor-UG-C J0RS0 - [REDACTED]-74 Extension from [REDACTED] Sub J0WMP - [REDACTED] 191-52 Reconductor Project J0SKH - [REDACTED] New 34kV Feeder-Sub-C J0SKP - [REDACTED] New 34kV Feeder-UG-C J0VOC - [REDACTED] 207-54 Circuit Improvement J0T41 - [REDACTED] Reconductor [REDACTED]-88 J0P3D - [REDACTED]-73, New 34.5kV Circuit-Line-C J0SKF - [REDACTED]-73, New 34.5KV Circuit-Sub-C J0VSX - [REDACTED] Solar Distribution-C J0KD8 - [REDACTED] 740-51 tie to [REDACTED] 939-53 J0P3F - [REDACTED] Relieve 575-52		

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Smart, Reliable Grid Operations	Grid Resiliency/ Operating Flexibility	Line Capacity Increases	JOWMT - ██████ 127-56 ██████ 3ph Tie JORRW - ██████ -77 & ██████ 78 Reconductor		
		Line Capacity Increases Total		23,249	98,195
		Substation Capacity Increases	JOSK5 - ██████ Pad-mount XFMR-Sub-C JOV3N - ██████ Pad-mount XFMR-Line-C JOJG8 - ██████ Add Xfmr - Sub - C JOJ9S - ██████ Add Xfmr-Line-C JOJF8 - ██████ Add Xfmr-UG -C JOLB5 - ██████ UPGR JOJDM - CBM- ██████ Upgr - Sub - C JOJP4 - CBM- ██████ UPGR 34.5Kv-Line-C JOTRL - Customer Sub- ██████ -Sub-C JOW01 - ██████ Sub-Site-C JOVT3 - ██████ New 34.5-13.8 kV Sub-Site-C JOJDG - ██████ - 2nd Unit - Line-C JOJJ1 - ██████ - 2nd Unit - Sub - C JOX1X - ██████ Sub Upgrade-Site-C JOSKQ - ██████ Sub, Upgrade-Line-C JOSKB - ██████ Sub, Upgrade-Sub-C JOSKK - ██████ Sub, Upgrade-UG-C JOJNC - ██████ 2nd Unit - Line - C JOSKW - ██████ 34-12 kV Substation-Line-C JOSKC - ██████ 34-12 kV Substation-Sub-C JOSKL - ██████ 34-12 kV Substation-UG-C JOWRT - ██████ Pad-mount XFMR- Line-C JOWRV - ██████ Pad-mount XFMR- Sub-C JOJKX - ██████ Sub Upgr W Unit-Sub-C JOWPL - ██████ Sub Upgr W Unit-UG-C JOWMQ - ██████ Customer Sub - Site- C JOWJH - ██████ New Sub- Site-C JOK09 - ██████ Sub UPGR W Unit-Sub-C JOS9B - ██████ Substation-Line-C JOSB5 - ██████ Substation-Sub-C JOSBJ - ██████ Substation-UG-C JOPXQ - ██████ New Cust Sub-UG-C JORWC - ██████ Sub UPGR-Line-C JORWD - ██████ Sub UPGR-Sub-C		

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Category 1	Category 2	Category 3	Project Detail	2022	5-Year		
Smart, Reliable Grid Operations	Grid Resiliency/ Operating Flexibility	Substation Capacity Increases	J0JND - ██████ 2nd Unit - Line - C				
			J0KP3 - ██████ 2nd Unit - Sub - C				
			J0GH9 - ██████ Sub-Line-C				
			J0GDS - ██████ Sub-Sub-C				
			J0KQB - ██████ Bulk Sub-Line34-C				
			J0KS9 - ██████ Bulk Sub-Sub 34kV-C				
			J0PMT - ██████ Bulk Sub-Transmission-C				
			J0KSB - ██████ Bulk Sub-UG-C				
		Substation Capacity Increases Total				64,377	187,134
		Switches		J0JJB - Viper SWO			
				J0JJR - Nulec SWO			
		Switches Total				2,631	9,079
		Subtransmission Switch		J0NDS - DCD - UPGR 34kV Switches			
		Upgrades		J0R47 - DA-█████ -74 UPGR			
Subtransmission Switch Upgrades Total				1,093	4,682		
Grid Resiliency/Operating Flexibility Total				124,031	677,528		
Smart Grid	Smart Grid	Cutout Recloser		J0JJ8 - DCD - UPGR Tripsaver Reclosers			
		Cutout Recloser Total				4,624	20,602
		Distribution Automation		0A317 - DCD - UPGR Line Capacitor Controls			
				0A318 - DCD - DA Program			
				J0N2M - Telecomm for Overhead			
				J0VCB - ██████ -█████ SWGR			
		Distribution Automation Total				21,897	80,235
		Fault Circuit Indicators		J0JGS - DCD - UPGR Backbone FCIs			
		J0JJ6 - DCD - UPGR Terminal Pole FCIs					
Fault Circuit Indicators Total				4,609	29,446		
Fiber/Wireless		J0SW3 - MO Metro PLTE 2022					
		J0SW7 - MO Metro PLTE Backhaul 2022					
		J0RON - MO PLTE EPCore					
		J0V01 - Modem UPGR					
		J0W9G - PLTE Metro Fiber 141-040NE					
		J0W9B - PLTE Metro Fiber 151-007JF					
		J0W9R - PLTE Metro Fiber 151-010FR					
		J0V4F - PLTE Metro Fiber 151-014JF					
		J0V4G - PLTE Metro Fiber 151-018GR					
		J0W9Q - PLTE Metro Fiber 151-023JF					

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Smart, Reliable Grid Operations	Smart Grid	Fiber/Wireless	J0W9C - PLTE Metro Fiber 151-025JF		
			J0W9D - PLTE Metro Fiber 151-028JF		
			J0V4H - PLTE Metro Fiber 151-032CH		
			J0W9F - PLTE Metro Fiber 151-033FR		
			J0V4D - PLTE Metro Fiber 151-035DT		
			J0SK2 - PLTE Metro Site 141-002		
			J0W99 - PLTE Metro Site 141-040NE		
			J0W92 - PLTE Metro Site 151-006JF		
			J0W91 - PLTE Metro Site 151-007JF		
			J0V47 - PLTE Metro Site 151-010FR		
			J0W96 - PLTE Metro Site 151-015JF		
			J0W9P - PLTE Metro Site 151-023JF		
			J0W94 - PLTE Metro Site 151-025JF		
			J0W95 - PLTE Metro Site 151-028JF		
			J0W97 - PLTE Metro Site 151-033FR		
J0V4B - PLTE Metro Site 151-034UG					
J0SK3 - PLTE Metro Site 151-042					
J0SJ6 - PLTE Metro Site [REDACTED]					
J0SPW - PLTE Metro Site [REDACTED]					
J0MJV - Private LTE MO Metro-UEC					
Fiber/Wireless Total				50,601	281,692
		LED Street Lighting	J09H1 - LED Streetlight Program		
LED Street Lighting Total				9,617	40,883
		SCADA Upgrades	J0JRP - [REDACTED] Switchgear UPGR		
			J0JRV - [REDACTED] - Switchgear UPGR		
			J0JSK - [REDACTED] - Add Scada		
			J0JT7 - [REDACTED] - Add Scada		
			J0JTZ - [REDACTED] SWGR UPGR-Sub-C		
			J0TZT - [REDACTED] - RTU Upgrade		
			J0VV9 - [REDACTED] - Add SCADA-Line-C		
			28660 - [REDACTED] - Add SCADA-Sub-C		
			J0K29 - [REDACTED] - Add Scada		
SCADA Upgrades Total				8,666	9,031
Smart Grid Total				100,014	461,889
Substations - Condition Based Modernization		OCB Upgrades	J0CKL - OCB UPGR Projects		
			J0VTX - OCB-[REDACTED]-138/34 XFMR 3-Line-C		
			J0KQK - OCB-[REDACTED]-138/34 XFMR 3-Sub-C		

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Smart, Reliable Grid Operations	Substations - Condition Based Modernization	OCB Upgrades	JOKQS - OCB-██████████-34 SUB					
			JORKW - OCB-FDR UPGR ██████████ phase II					
			JOJSM - OCB-██████████-34KV POS 342					
			JOKR0 - OCB-██████████-161/34KV XFMR 2					
			JOKR2 - OCB-██████████-34KV POS 1					
			JOT02 - OCB-██████████ UPGR 6 positions Bus 1&2					
			JOKRJ - OCB-██████████-34KV LINE 311					
			JOKQH - OCB-Upgr 8 at ██████████ Sub-Sub-C					
			JOROM - OCB-Upgr 8 at ██████████ Sub-UG-C					
			JOWT4 - OCB-UPGR ██████████ Xfmr 1 SF6					
			JOWRN - OCB-UPGR ██████████ Pos 730, 782, 788					
			JOWT5 - OCB-UPGR ██████████ FDR 875-071					
			JOWT6 - OCB-UPGR ██████████ POS 21					
			JOWT7 - OCB-UPGR ██████████ XFMR 1&3 Main BRKR					
			OCB Upgrades Total				5,245	15,872
					Relay Upgrades	JOJVH - CBM-██████████ 34 Sub Upgr Relays		
						JOJXD - CBM-██████████ Sub Relay Upgrs		
						JOW0K - ██████████ Substation Relay Upgrades		
						JOW0J - ██████████ Relay Upgrades		
						JOW0G - ██████████ Substation Relay Upgr		
JOW0H - ██████████ Substation Relay Upgr								
JOJVB - Relay Upgr ██████████-34 Sub-██████████-43								
JOJVC - Relay Upgr ██████████ Sub-XFMR 2								
JOJVD - Relay Upgr ██████████ Sub-██████████-78								
JOJVR - Relay Upgr ██████████ 34 Sub-69kv Bus1								
JOJVV - Relay Upgr ██████████ Sub-XFMR W								
JOJWV - Relay Upgr ██████████ Sub-XFMR W								
JOJKZ - Relay Upgr ██████████ 4-KV Swgr 2								
JOJW3 - Relay Upgr ██████████ Sub-██████████-71								
JOJW4 - Relay Upgr ██████████ Sub-XFMR W								
JOJW6 - Relay Upgr ██████████ Sub-CAP Bank 1								
JOJW7 - Relay Upgr ██████████ Sub-161-51								
JOJWD - Relay Upgr ██████████ Sub-XFMR 1								
JOJWF - Relay Upgr ██████████ Sub-877-53								
JOJWG - Relay Upgr ██████████ Sub-██████████-73								
JOJWJ - Relay Upgr ██████████ Sub-██████████-41								
JOJWP - Relay Upgr ██████████ Sub-XFMR W								

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Smart, Reliable Grid Operations	Substations - Condition Based Modernization	Relay Upgrades	J0JWS - Relay Upgr [REDACTED] Sub-[REDACTED]-73					
			J0JWT - Relay Upgr [REDACTED] Sub-XFMR W					
			J0JWV - Relay Upgr [REDACTED] Sub - Line E					
			J0JWX - Relay Upgr [REDACTED] Sub -Cap Bank					
			J0JWZ - Relay Upgr [REDACTED]-69-161/69kv XFMR					
			J0JX0 - Relay Upgr [REDACTED] Sub-XFMR 1 and 2					
			J0JX2 - Relay Upgr [REDACTED] Sub-[REDACTED] 74					
			J0JX3 - Relay Upgr [REDACTED] 34 Sub-XFMR 3					
			J0JX5 - Relay Upgr [REDACTED] Sub-[REDACTED]-72					
			J0JX9 - Relay Upgr [REDACTED] Sub-655-53					
			J0JXB - Relay Upgr [REDACTED] Sub-[REDACTED] 72 ([REDACTED])					
			J0JXC - Relay Upgr [REDACTED] Sub-XFMR 1					
			J0JXH - Relay Upgr [REDACTED] Sub-169-52 & 54					
			J0JXL - Relay Upgr [REDACTED] Swgr-Green Goo					
			J0JXP - Relay Upgr [REDACTED] Sub-[REDACTED]-921-379					
			J0JXM - Relay Upgr [REDACTED] Sub-921-41					
			J0JXQ - Relay Upgr [REDACTED] Swgr 1-Green Goo					
			J0JZL - Relay Upgr [REDACTED] Sub-XFMR 1					
			JORTS - Relay Upgrades					
			JOW0L - [REDACTED] Substation Relay Upgrades					
			JOW0D - [REDACTED] Substation Relay Upgrades					
			Relay Upgrades Total				7,048	21,346
					Sub/Switchgear Upgrades	JOP4W - [REDACTED] - Swgr UPGR		
J0JG9 - [REDACTED] - UPGR Both SWGR-Sub-C								
J0V9R - [REDACTED] - UPGR Both SWGR-UG-C								
J0JL3 - [REDACTED] Sub-Upgr Relays W&D								
JOP3P - [REDACTED] 1 UPGR								
JOP3S - [REDACTED] 4 UPGR								
JOP57 - [REDACTED] Xfmr W UPGR								
JOK7M - CBM - [REDACTED] - Line - C								
JORXN - CBM - Future Year Engineering								
JOP21 - CBM - [REDACTED] Sub Upgr LINE-C								
JOP4J - CBM - [REDACTED] Sub Upgrade SUB-C								
JOP31 - CBM - [REDACTED] - UPGR Sub UG-C								
JOP0Q - CBM - [REDACTED] Upgr LINE-C								
JOP2V - CBM - [REDACTED] Upgr UG-C								
JOP45 - CBM - [REDACTED] Upgrade - Sub - C								

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Smart, Reliable Grid Operations	Substations - Condition Based Modernization	Sub/Switchgear Upgrades	JOP2C - CBM - [REDACTED] - UPGR Sub LINE-C		
			JOP32 - CBM - [REDACTED] - UPGR Sub UG-C		
			JOP4B - CBM - [REDACTED] - UPGR Sub-C		
			JOSJP - CBM - [REDACTED] Sub UPGR-Land Acq		
			J0JGH - CBM - [REDACTED] UPGR Mobile sub D		
			J0JGD - CBM - [REDACTED] - Sub - C		
			J0JKV - CBM - [REDACTED] - Sub - C		
			J0CJ5 - CBM - [REDACTED] -LINE-C		
			J0CH4 - CBM - [REDACTED] -Sub-C		
			JOP3L - CBM - [REDACTED] Sub Upgr-SUB-C		
			J0QXJ - CBM - [REDACTED] 3 Sub UPGR		
			J08FR - CBM - [REDACTED] Sub-Line-C		
			J01WC - CBM - [REDACTED] Sub-Sub-C		
			JOP3K - CBM - [REDACTED] Sub UPGR		
			JOR05 - CBM - [REDACTED] Sub Upgrade-Site-C		
			J08LM - CBM - [REDACTED] Sub-Sub-C		
			J0NM9 - CBM - [REDACTED] Sub UPGR Sub-C		
			J0NWS - CBM - [REDACTED] Sub Upgrade-Line-C		
			JOP33 - CBM - [REDACTED] Sub Upgrade-Sub-C		
			JOP2G - CBM - [REDACTED] Sub Upgrade-UG-C		
			JOP18 - CBM - [REDACTED] Sub UPGR LINE-C		
			24548 - CBM - [REDACTED] Sub-Sub-C		
			J08GJ - CBM - [REDACTED] Sub-UG-C		
			JOP1N - CBM - [REDACTED] Sub Upgr-Sub-C		
			JOP0S - CBM - [REDACTED] UPGR-Line-C		
			J0NZJ - CBM - [REDACTED] UPGR-UG-C		
			J0JML - CBM - [REDACTED] - Line - C		
			J0KSN - CBM - [REDACTED] - Sub - C		
			J0CDS - CBM - [REDACTED] Sub-Line-C		
			J0CHB - CBM - [REDACTED] Sub-Sub-C		
			J0CHF - CBM - [REDACTED] UPGR Swgr-Sub-C		
			J0CHG - CBM - [REDACTED] Sub-Sub-C		
			J0CM7 - CBM - [REDACTED] Sub-UG-C		
			J0CHK - CBM - [REDACTED] SWGR UPGR W-Sub-C		
			J0G9Q - CBM - [REDACTED] SWGR UPGR W-UG-C		
			J0CHL - CBM - [REDACTED] Swgr UPGR-Sub-C		
			JOP53 - CBM - [REDACTED] Sub UPGR-Sub-C		

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Smart, Reliable Grid Operations	Substations - Condition Based Modernization	Sub/Switchgear Upgrades	JOP3J - CBM- [REDACTED] Sub		
			JOCGS - CBM- [REDACTED] Sub Site		
			JOSJH - CBM- [REDACTED] UPGR Sub-Sub-C		
			JOP22 - CBM- [REDACTED] Sub UPGR Line-C		
			JOP4H - CBM- [REDACTED] Sub UPGR Sub-C		
			28690 - CBM- [REDACTED] Site Acq. for New Sub		
			JOCHM - CBM- [REDACTED] Sub-Sub-C		
			JOP4X - CBM- [REDACTED] UPGR Xfmr 1		
			JOJS6 - CBM- [REDACTED] - Sub - C		
			JOP3X - CBM- [REDACTED] Sub Upgrade LINE-C		
			JOJFX - CBM- [REDACTED] -UG-C		
			JOP42 - CBM- [REDACTED] Sub UPGR-Sub-C		
			JOJXR - CBM- [REDACTED] UPGR Swgr 1		
			JOV5D - CBM- [REDACTED] Sub-Site		
			JOK08 - CBM- [REDACTED] Sub-Sub-C		
			JOTPX - CBM- [REDACTED] Sub-UG-C		
			JOP40 - CBM- [REDACTED] Sub Upgr-SUB-C		
			JOSHL - CBM- [REDACTED] Sub, Modernize-Sub-C		
			JOSJ4 - CBM- [REDACTED] Sub, Modernize-UG-C		
			JOJGJ - CBM- Upgr Mobile E with new mobile		
			JOCGW - CBM- [REDACTED] Sub, Upgr		
			JOSJF - CBM- [REDACTED] Swgr UPGR		
			JOCKK - CBM- [REDACTED] Unit W-SUB-C		
			JOCLV - CBM- [REDACTED] Unit W-UG-C		
			JOP54 - [REDACTED] Xfmr UPGR		
			JOP5J - [REDACTED] 1 UPGR-Sub-C		
			JOP44 - [REDACTED] 2 UPGR		
			JOT7D - [REDACTED] -UPGR XFMR W SWGR W-SUB-C		
			JOX1S - [REDACTED] Sub Upgrade-Site-C		
			JOP41 - [REDACTED] 1 UPGR		
			JOV3T - [REDACTED] HISD RELB UPGR		
			JOKPB - [REDACTED] Sub - Line - C		
			JOKSF - [REDACTED] Sub - Sub - C		
			JOP56 - [REDACTED] Xfmr W UPGR		
			JOKSD - [REDACTED] W - Switchgear		
JOP3V - [REDACTED] 1 UPGR					
JOP3W - [REDACTED] 4 UPGR					

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

\$ - Thousands

Category 1	Category 2	Category 3	Project Detail	2022	5-Year
Smart, Reliable Grid Operations	Substations - Condition Based Modernization	Sub/Switchgear Upgrades	JOP4F - ██████████ 1 UPGR		
			JOP4D - ██████████ 3 UPGR		
			JOJT9 - ██████████ - Upgr Xfmr #2		
			JOJJ7 - ██████████ - Upgr Xfmr #2		
			JOP4G - ██████████ Xfmr W UPGR		
			JOP4C - ██████████ 2 UPGR		
			JOJJC - ██████████ - Upgr Xfmr #1		
			JOJKS - ██████████ Bulk Sub Upgr - Sub - C		
			JOJDV - ██████████ Bulk Sub Upgr - UG - C		
			JOSJQ - ██████████ Bulk Sub Upgrade - Line - C		
			JONLX - ██████████ UPGR XFMR 8		
			JOP47 - ██████████ 2 UPGR		
			JOV8Q - SPARE 19X 22MVA Xfmr 34-13.2KV 2022		
			JOLZ8 - Spare 5 UPGR 2019-2020		
			JOWM1 - Spare 5A 139.2/34kv 112MVA LTC		
			JOWM2 - Spare 5B 139.3/34kv 112MVA LTC		
			JOKP4 - Spare Cust 34/4 kv 14MVA		
			JOL6C - Spare XFMR Purchase (10A)		
			JOL6D - Spare XFMR Purchase (5X)		
			16016 - Substation Spare EQPT UPGR		
			OA664 - SWO-Dist Sub-Con Based		
			OR000 - SWO-DIST. SUBS - T&DD - E63		
			JORWP - Telecom for Substations		
			JOP43 - ██████████ 1 UPGR		
			JOP49 - ██████████ 3 UPGR		
			JOJRS - ██████████ - Add SCADA		
			JOJRT - ██████████ - Add Scada		
			JOJRZ - ██████████ -12 - Add Scada		
			JOWH7 - ██████████ - Add Scada-Line-C		
			JOJS0 - ██████████ - Add Scada-Sub-C		
			JOJS9 - ██████████ -12 - Add Scada		
			JOJGN - ██████████ - Add Scada		
			JOJSD - ██████████ - Add Scada		
			JOJSQ - ██████████ - Add Scada		
JOJSS - ██████████ - Add Scada					
JOJST - ██████████ - Add Scada					
JOJSZ - ██████████ - Add Scada					

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

\$ - Thousands

Category 1	Category 2	Category 3	Project Detail	2022	5-Year			
Smart, Reliable Grid Operations	Substations - Condition Based Modernization	Sub/Switchgear Upgrades	J0JT0 - ██████████ - Add Scada					
			J0JT1 - ██████████ - Add Scada					
			J0JJ2 - ██████████ - Add Scada					
			J0JT3 - ██████████ - Add Scada					
			J0JT4 - ██████████ - Add SCADA					
			J0JJ3 - ██████████ - Add Scada					
			J0JT6 - ██████████ -12 - Add SCADA					
			J0JTC - ██████████ - Add SCADA					
			J0JTF - ██████████ - Add Scada					
			J0JTJ - ██████████ - Add Scada					
			J0JTV - ██████████ - Add Scada					
			J0JTX - ██████████ -14 - Add Scada					
			J0JV0 - ██████████ -Add Scada UPGR Swgr					
			J0K06 - ██████████ -12 - Add Scada					
			J0K27 - ██████████ ██████████ - Add Scada					
			J0K2B - ██████████ - Add SCADA					
			J0K2D - ██████████ - Add Scada					
			J0K2F - ██████████ ██████████ - Add Scada					
			Sub/Switchgear Upgrades Total				97,073	492,647
			Substations - Condition Based Modernization Total				109,366	529,865
System Hardening	Subtransmission Upgrades	J0VTP - ██████████ -76 Circuit Perf Improvement						
		J0NQR - ██████████ -74 Improve Reliability-Line-C						
		J0V6W - ██████████ -74 Improve Reliability-Sub-C						
		J0V60 - ██████████ -74 Improve Reliability-UG-C						
		J0VLS - ██████████ -75 Static Protection						
		J0NQZ - ██████████ ██████████ -44 Pole UPGR Phase 2						
		J0NRO - ██████████ ██████████ -44 Pole UPGR Phase 3						
		J0NR3 - ██████████ ██████████ Phase 2						
		J0NR4 - ██████████ ██████████ Phase 3						
		J0Q8J - ██████████ -72 PH 2						
		J0NR6 - ██████████ -72, Circ UPGR						
		J0NR7 - ██████████ -77, Circ UPGR						
		J0NR9 - ██████████ -71 Improv Cirtc Reliab Ph 2						
		J0NRC - ██████████ -77 Improve Circuit Reliab						
		J0NRD - ██████████ -77 Improve Circuit Reliab Ph2						
		J0NRH - ██████████ -72 34Kv UPGR						
		J0VTR - ██████████ 73-76 Insulator Upgrade						

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

\$ - Thousands

Category 1	Category 2	Category 3	Project Detail	2022	5-Year
Smart, Reliable Grid Operations	System Hardening	Subtransmission Upgrades	J0V5G - ██████████ 34kV Reconfig		
			J0NT0 - ██████████ -73 34kV UPGR		
			J0NT5 - ██████████ -74 34kV UPGR		
			J0Q5X - ██████████ -75 Upgrade PH 2		
			J0P2F - Reconductor/UPGR ██████████ -72		
			J0NT9 - ██████████ -74 Circuit Improvement		
			J0NTF - ██████████ -71 Improve Circuit Reliab Ph 1		
			J0KPN - Subtransmission Upgrades - 2022		
			J0JNX - ██████████ 898075 UPGR		
			J0M43 - ██████████ -74 Upgrade		
			J0VS9 - ██████████ -77 & ██████████ -74 Reconductor		
			J0RLK - ██████████ -T-3 & ██████████ -80 Reconductor		
			J0VTS - ██████████ 75/80, Circ UPGR		
			J0TVM - ██████████ T1-2 ██████████		
			J0TV9 - ██████████ T1-T2 ██████████		
			J0NV9 - ██████████ -T-2 ██████████ -71 Recon PH 2		
			Subtransmission Upgrades Total		
System Hardening Total				45,912	276,818
	UG Cable Upgrades	OH to UG	J0WZZ - OTU- ██████████ 259-58, ██████████ Ave		
			23374 - OTU- ██████████ 141-8, ██████████ ██████████		
			23413 - OTU- ██████████ 126-54 ██████████		
			J0WZX - OTU- ██████████ 197052 ██████████		
			J0V4Q - OTU- ██████████ 256-59, ██████████		
			23725 - OTU- ██████████ 542-53 ██████████		
			23316 - OTU- ██████████ 542-53 ██████████		
			J0RZ0 - OTU- ██████████ 103-1 ██████████		
			23321 - OTU- ██████████ TAP ██████████		
			23412 - OTU- ██████████ 543-51 ██████████		
			J0X00 - OTU- ██████████ 051 2021 COH		
			J0SWV - OTU- ██████████ 167-53, CERTS		
			J0X02 - OTU- ██████████ 167-54 ██████████		
			J0X01 - OTU- ██████████ 167-54, ██████████		
			24132 - OTU- ██████████ 648-54 ██████████		
			J0X03 - OTU- ██████████ 729-57, ██████████		
			25024 - OTU- ██████████ ██████████ PH 2		
J0X04 - OTU- ██████████ 52 2021 COH					
J0RH4 - OTU- ██████████ 052 CERT					

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

\$ - Thousands

Category 1	Category 2	Category 3	Project Detail	2022	5-Year
Smart, Reliable Grid Operations	UG Cable Upgrades	OH to UG	JOX05 - OTU- 8		
			JOX06 - OTU- 139-6 Ph1		
			JOK60 - OTU- 230-56 UG		
			JOX0B - OTU- 230-56 UG		
			JOK63 - OTU- 165-51		
			JOK64 - OTU- 165-56 UG		
			JOK65 - OTU- 165-56,		
			JOKN3 - OTU- 267-52, Ph 2		
			JOX07 - OTU- 267-55 UG		
			OH to UG Total		
	UG Cable Upgrades		JOSWJ - C-UPGR 026 Fdr- PILC		
			JOM92 - C-UPGR 560-56, LAT-15342,3&4		
			JOSWF - C-UPGR 015, PILC (D&V)		
			JOJRG - C-UPGR 148-10 6936		
			JOWZS - C-UPGR 282055 Lat 8272		
			JOWZT - C-UPGR 282055 Lat-4793		
			JOSWC - C-UPGR 251 Fdr, PILC (D)		
			JOTND - C-UPGR 251 Fdr, PILC (W)		
			JOJQT - C-UPGR 259-58,		
			JOSWG - C-UPGR - PILC		
			JOSWL - C-UPGR 317 - PILC		
			JOJM9 - C-UPGR 633-57, 10130		
			JOJS8 - C-UPGR 543-51,		
			JOJS7 - C-UPGR 543-56,		
			JOSWH - C-UPGR 20 fdr- PILC		
			JOV8V - C-UPGR 81,		
			JOXOD - C-UPGR 202, PILC		
			JOK79 - C-UPGR 699-55, 10584-10597		
			JOTNF - C-UPGR 255 fdr, PILC PH A		
			JOSWD - C-UPGR 255 fdr, PILC PH B		
			JOWZV - C-UPGR 217051 Lat-16814		
			JOSWR - C-UPGR 556-54,		
			JOXOF - C-UPGR 556-55,		
			JOWZW - C-UPGR -76 Fdr, PILC		
			JOJPV - C-UPGR 203-51,		
			JOWZQ - C-UPGR 484-52, LAT-2070		
JOWZR - C-UPGR 484-52, LAT-2080					

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

\$ - Thousands

Category 1	Category 2	Category 3	Project Detail	2022	5-Year	
Smart, Reliable Grid Operations	UG Cable Upgrades	UG Cable Upgrades	J0JCM - C-UPGR █████ 214-53, █████			
			OA018 - C-UPGR Program-E46			
			J0JK8 - C-UPGR █████ 689-51, █████			
			J0KJ9 - C-UPGR █████ 689-52, P2			
			J0JRB - C-UPGR █████ 134-52, █████			
			J0JPW - C-UPGR █████ 140-6, █████			
			J0JNB - C-UPGR █████ 127-55, █████			
			J0TQD - C-UPGR █████ 593-53&56, PH2			
			J0X0C - C-UPGR █████ 555-54 █████			
			J0X08 - C-UPGR █████ 252, PILC			
J0X09 - C-UPGR █████ -56 █████ Ph 2						
UG Cable Upgrades Total				42,266	285,427	
UG Cable Upgrades Total				59,809	303,051	
	UG Revitalization	Indoor Rooms	J0P4Q - █████ InRm			
		Indoor Rooms Total			247	3,594
		UG Revitalization	J0RZ3 - 0A321 - DA Controls SWO			
		J0S43 - 0A321 - █████ Reroute Cab				
		J0V45 - 0A321 - █████ Reroute & PILC				
		J0GB8 - 0A321 - █████ Conduit				
		J0TQ2 - 0A321 - █████ 1234-11 Diversify				
		J0VVO - 0A321 - █████ Reroute & PILC				
		J0VTZ - 0A321 - █████ Reroute & Cable				
		J0VV1 - 0A321 - █████ Reroute & PILC				
J0VV2 - 0A321 - █████ Diversify						
J0P4P - 0A321 - █████ -VLT-XFMR CAB UPGR						
J0GBT - 0A321 - █████ Conduit						
J0HP1 - 0A321 - █████ XFMR PTO UPGR						
J0HP3 - 0A321 - █████ -Vault						
J0LTN - 0A321 - █████ FO-TEMP CAB						
J0J62 - 0A321 - █████ XFMR PTO						
J0HPO - 0A321 - █████ CAB						
J0KNL - 0A321 - █████ Prim-CAB-Sect						
J0J60 - 0A321 - █████ Prim-CAB-Sect						
J0KNZ - 0A321 - █████ DA-Sectionalizing						
J0GBB - 0A321 - █████ Room						
J0QQ9 - 0A321 - █████ UG Loop						
J0NBC - 0A321 - █████						

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

\$ - Thousands

Category 1	Category 2	Category 3	Project Detail	2022	5-Year			
Smart, Reliable Grid Operations	UG Revitalization	UG Revitalization	J0P4R - 0A321- [REDACTED] PILC Upgr					
			J0V4J - 0A321- [REDACTED] UPGR					
			J0GBD - 0A321- [REDACTED] Conduit					
			J0GBF - 0A321- [REDACTED] Reformation					
			J0GBG - 0A321- [REDACTED] Reformation					
			J0GBH - 0A321- [REDACTED] Reformation					
			J0J61 - 0A321- [REDACTED] Conduit					
			J0JFM - 0A321- [REDACTED] CON					
			J0GBJ - 0A321- [REDACTED] Conduit					
			J0CCQ - 0A321- [REDACTED] Cond					
			0A321 - 0A321-MDI-Underground Renewal					
			J0GBW - 0A321- [REDACTED] Conduit					
			J0J63 - 0A321- [REDACTED] XFMR PTO					
			J0F9B - 0A321- [REDACTED] Cond					
			J0FD8 - 0A321- [REDACTED] CAB-Sec Upgr					
			J0J5Z - 0A321- [REDACTED] CAB-Sect Upgr					
			J0GBK - 0A321- [REDACTED] Conduit					
			J0JFQ - 0A321- [REDACTED] ReRoute Cab					
			J0JFS - 0A321- [REDACTED] ReRoute Cab					
			J0GBL - 0A321- [REDACTED] Reformation					
			J0JDR - 0A321- [REDACTED] ReRoute Cab					
			J0JDS - 0A321- [REDACTED] ReRoute Cab					
			J0JFT - 0A321- [REDACTED] ReRoute Cab					
			J0JDZ - 0A321- [REDACTED] Network Vault Revi					
			J0HP2 - 0A321- [REDACTED] -Ntwk PROT Fiber					
			J0WXM - 0A321- [REDACTED] UPGR 220-9 116-7 29-11					
			J0CFF - 0A321- [REDACTED] Broad Cond					
			J0JDT - 0A321- [REDACTED] Cable Upgr					
			J0JF2 - MH Sys Monitorng & Ventilation UPGR					
			UG Revitalization Total				29,142	149,200
				UG Manhole/Vault		0A669 - UG-MH&VLT Upgr-SWO		
						J060C - UG-VLT (SC) UPGR [REDACTED]		
						J0M4B - UG-VLT Upgr - [REDACTED]		
J0H3T - UG-VLT UPGR- [REDACTED]								
J09BN - UG-VLT UPGR [REDACTED]								
J0MP3 - UG-VLT Upgr [REDACTED]								
			J0G2X - UG-VLT Upgr- [REDACTED]					

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

\$ - Thousands

Category 1	Category 2	Category 3	Project Detail	2022	5-Year
Smart, Reliable Grid Operations	UG Revitalization	UG Manhole/Vault	J0721 - UG-VLT UPGR		
			J0D3L - UG-VLT Upgr		
			J0G2Z - UG-VLT Upgr-		
			J0H3Q - UG-VLT Upgr-		
			J0H3P - UG-VLT Upgr-		
			J0D3X - UG-VLT Upgr		
			J0M4H - UG-VLT Upgr		
			J0HC1 - UG-VLT Upgr		
			J0G2V - UG-VLT Upgr-		
			J0H3S - UG-VLT Upgr-		
			J0D4S - UG-MH UPGR -		
			J0FZW - UG-MH UPGR-		
			J0G2M - UG-MH UPGR-		
			J0RZ8 - UG-MH Upgr		
			J0V95 - UG-MH Upgr		
			J0TZQ - UG-MH Upgr		
			J0TTC - UG-MH Upgr		
			J0V3V - UG-MH Upgr		
			J0V3X - UG-MH Upgr		
			J0QM7 - UG-MH Upgr		
			J0V94 - UG-MH Upgr		
			J0Q58 - UG-MH Upgr		
			J0W2X - UG-MH Upgr		
			J0G2R - UG-MH UPGR-		
			J0TTB - UG-MH Upgr		
			J0HG2 - UG-MH UPGR		
			J0V3Z - UG-MH Upgr		
			J0V93 - UG-MH Upgr		
			J0G2S - UG-MH Upgr-		
			J0V92 - UG-MH Upgr		
			J0VG4 - UG-MH Upgr		
			J0H0K - UG-MH UPGR		
			J0GZW - UG-MH UPGR		
J0TR1 - UG-MH Upgr					
J0S67 - UG-MH Upgr					
J0S66 - UG-MH Upgr					
J0TCN - UG-MH Upgr					

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

\$ - Thousands

Category 1	Category 2	Category 3	Project Detail	2022	5-Year
Smart, Reliable Grid Operations	UG Revitalization	UG Manhole/Vault	J0TT7 - UG-MH Upgr		
			J0TT8 - UG-MH Upgr		
			J0TCM - UG-MH Upgr		
			J0TN1 - UG-MH Upgr		
			J0WWS - UG-MH Upgr		
			J0T57 - UG-MH Upgr		
			J0GZV - UG-MH UPGR		
			J0V3W - UG-MH Upgr		
			J0TCP - UG-MH Upgr		
			J0TGF - UG-MH Upgr		
			J0GZT - UG-MH UPGR		
			J0CKS - UG-MH UPGR-		
			J0TJG - UG-MH Upgr		
			J0RW9 - UG-MH Upgr		
			J0RWB - UG-MH Upgr		
			J0RGX - UG-MH Upgr		
			J0RT7 - UG-MH Upgr		
			J0W2V - UG-MH Upgr		
			J0J8S - UG-MH Upgr		
			J0NKW - UG-MH Upgr		
J0NKS - UG-MH Upgr					
J0RGW - UG-MH Upgr					
J0R9S - UG-MH Upgr					
UG Manhole/Vault Total				9,573	44,724
UG Revitalization Total				38,962	197,518
Smart, Reliable Grid Operations Total				479,720	2,448,295
Smart Meter Program	Smart Meter Program	Smart Meter Program	J0D07 - SMP Elec Meters & Install SWO		
			J0CZX - SMP IT Hardware 2022		
			J0D01 - SMP Ntwk Eqplnst		
			J0D03 - SMP Ntwk Eqplnst		
			J0D0J - SMP Ntwk Eqplnst		
			J0DG3 - SMP Ntwk Eqplnst		
			J0DH2 - SMP MkRdy		
			J0DH3 - SMP MkRdy		
			J0DH8 - SMP MkRdy		
			J0DGZ - SMP MkRdy		
J0DOC - SMP Ntwk Eqplnst					

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

\$ - Thousands

Category 1	Category 2	Category 3	Project Detail	2022	5-Year	
Smart Meter Program	Smart Meter Program	Smart Meter Program	J0D0K - SMP ██████████ Ntwk Eqplnst			
			J0DH4 - SMP ██████████ MkRdy			
			J0D02 - SMP ██████████ Ntwk Eqplnst			
			J0D0F - SMP ██████████ Ntwk Eqplnst			
			J0DH5 - SMP ██████████ MkRdy			
			J0DH9 - SMP ██████████ MkRdy			
			J0L2M - SMP ██████████ MkRdy			
Smart Meter Program Total				86,153	186,549	
		Customer Requirements & Communications	J0DWD - SMP Communications			
Customer Requirements & Communications Total				445	1,476	
Smart Meter Program Total				86,598	188,025	
Smart Meter Program Total						
Non-Nuclear Generation & Environmental	Grid Performance	Exciter Upgrades				
		Exciter Upgrades Total			3,015	
		Cyber Security Upgrades/ New Technologies	J0JQ1 - ██████████ Cybersecurity- Priority 1			
		Cyber Security Upgrades/New Technologies Total			19	1,196
		Grid Performance Total			19	4,211
Non-Nuclear Generation & Environmental Total				19	4,211	
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			711	765
		Switchyard Breaker/ Relay Upgrades	J0CW9 - ██████████ SPV Relay UPGR			
		Switchyard Breaker/Relay Upgrades Total			1,053	3,537
		Grid Performance Total			1,764	4,302
Nuclear Generation Total				1,764	4,302	
Hydro Generation	Grid Performance	Exciter Upgrades	J02N0 - ██████████ Exciter UPGR			
			J02SV - ██████████ Exciter UPGR			
			J06VH - ██████████ Exciter UPGR			
			J06VJ - ██████████ EXCITER UPGR			
			J06VK - ██████████ EXCITER UPGR			
			J06VL - ██████████ EXCITER UPGR			
			Exciter Upgrades Total			639

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\$ - Thousands

Category 1	Category 2	Category 3	Project Detail	2022	5-Year	
Hydro Generation	Grid Performance	GSU Transformer Upgrades	J0KTB - [REDACTED] GSU XFMR UPGR			
		GSU Transformer Upgrades Total			2,001	29,137
		Switchyard Breaker/Relay Upgrades	J0QZ8 - [REDACTED] Main Gen Differ Relay & Totalizer Upgr J0LR1 - [REDACTED] SWYD Disconnect Switch UPGR			
		Switchyard Breaker/Relay Upgrades Total			324	668
		Grid Performance Total			2,964	36,784
Hydro Generation Total				2,964	36,784	
Renewable & Gas Turbine Generation	Grid Performance	Exciter Upgrades	J0KQ2 - [REDACTED] Excitation System UPGR J0KPX - [REDACTED] Excitation System UPGR J0KQ3 - [REDACTED] Excitation Sys Modern			
		Exciter Upgrades Total			2,003	6,999
		Cyber Security Upgrades/ New Technologies				
		Cyber Security Upgrades/New Technologies Total				557
		Grid Performance Total			2,003	7,556
Renewable & Gas Turbine Generation Total				2,003	7,556	
Secure & Reliable Transmission	Grid Performance	Line Reliability Improvements	J0Q6J - [REDACTED] -3 (345kv)- RBLD			
			J0SLW - [REDACTED] -Tie In			
			J0KH7 - [REDACTED] -1 & -2 Shield Wire UPGR			
			J0W8J - [REDACTED] -1 & [REDACTED] E-7024			
			J0G90 - [REDACTED] -2 161kV Line RERTE			
			J0W8L - [REDACTED] -3 RERTE			
			J0W8H - [REDACTED] -2 RERTE			
			J0FS7 - CTG 3 and CTG 4-GATE Lead Lines			
			J0RS8 - [REDACTED] -7288 Line RBLD			
			J0TX6 - [REDACTED] -7288 Line RBLD 01F			
			J0V80 - [REDACTED] RERTE into [REDACTED]			
			J0PVR - J817 [REDACTED] -3 (161kv) - RERTE			
			J0QVV - [REDACTED] -1 -UPGR Insulators			
			J0V2N - [REDACTED] -4 RERTE ([REDACTED])			
			J0HZT - [REDACTED] 345kV Line RBLD			
			J0QVR - [REDACTED] -S-7 - Insulators and ABPDs			
			J0V7Z - [REDACTED] 161kV Distribution			
			J0LQZ - [REDACTED] 161kV Line UPGR			
			J0V71 - [REDACTED] - Reinforce Getaway Structure			
			J0HZS - [REDACTED] -S-4 RBLD Str 112-117			

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

\$ - Thousands

Category 1	Category 2	Category 3	Project Detail	2022	5-Year		
Secure & Reliable Transmission	Grid Performance	Line Reliability Improvements	JOP8Z - ██████████ -7891-Line RBLD				
			JOV5F - RBLD ██████████ -6204				
			JORBN - RBLD ██████████ Sub Supply Lines				
			JOTQJ - RERTE ██████████ 6030, ██████████ -2, ██████████				
			JOTJ4 - RERTE ██████████ -1				
			JOTQH - RERTE ██████████ -2 into ██████████				
			JOTWF - RERTE ██████████ -7901 to ██████████				
			JOQ79 - ██████████ DC 345/161 kV Line				
			JOL0C - ██████████ -1				
			JOQD3 - ██████████ -7407 - RERTE				
		Line Reliability Improvements Total				34,012	155,547
		Mobile Transformers		JOH64 - Mobile XFMR 345/138kV-UE			
		Mobile Transformers Total				4,489	9,442
		Substation Reliability Improvements			JOHZK - ██████████ 138kV RB Line Work		
					JOHZJ - ██████████ 138kV Ring Bus		
					JOW1T - ██████████ 345kV Ring Bus		
					JOVX9 - ██████████ -6540 Tie-In to ██████████		
					JOVXB - ██████████ -6087 Line		
					JOVXD - ██████████ -6090 Line		
					JOVX8 - ██████████ -6093		
					JOTMF - ██████████ Comm Equipment		
JOP8W - ██████████ 161 kV Ring Bus							
JOR0H - ██████████ Comm Equipment							
JOTQK - ██████████ Ring Bus Comm EQPT							
JOJ7V - ██████████ Substation RBLD							
JOSQ5 - ██████████ 138kV Capacitor bank							
JOPWP - J817 ██████████ Network UPGR							
JOPWJ - J817 ██████████ IF Line POS							
JOV0S - ██████████ 69kV Terminal Pos							
JOP8X - ██████████ (161kV)-Add Bus Tie							
JOQVM - ██████████ Install Network Equipment							
JOHZM - ██████████ 138kV Ring Bus							
JOQZ4 - ██████████ Sub - Network Equipment							
JORSB - ██████████ 1-2 ██████████ Tie-In							
JOTXG - ██████████ Relay Upgrades							
JOHZQ - ██████████ 138kV Ring Bus							
JOHZR - ██████████ RB Line Work							

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

\$ - Thousands

Category 1	Category 2	Category 3	Project Detail	2022	5-Year	
Secure & Reliable Transmission	Grid Performance	Substation Reliability Improvements	J0TZV - [REDACTED] Ring Bus Comm Equipment			
			J0Q77 - [REDACTED] 345kV Ring Bus			
			J0TDL - [REDACTED] Comm Install			
			J0RPS - [REDACTED] XFMR HS Breakers			
			J0G9L - [REDACTED] Sub Add Line BRKR			
			J0HZN - [REDACTED] - Add 161kV Line & Tie BRKR			
			J0QZ5 - [REDACTED] Sub - Network Equipment			
		Substation Reliability Improvements Total			42,356	103,731
		VAR Compensation	J0GXG - [REDACTED] Static VAR Sys.			
			J0G9J - [REDACTED] Add Shunt Reactor			
J0PJ6 - [REDACTED] Reactor						
VAR Compensation Total			4,210	16,177		
Grid Performance Total			85,067	284,897		
Modernization	Breaker Upgrades	J0V0P - [REDACTED] V12 Line V11 PCB RLY UPGR				
		J0C5Z - [REDACTED] - BT1-2 Brkr Upgr				
		J0WSX - [REDACTED] Relay UPGR (Pos. W)				
		J0J83 - [REDACTED] BRKR UPGR BTs 1-2 2-3				
		J0V4W - [REDACTED] Spare UEC Breaker				
		J0C63 - [REDACTED] Circuit Breaker UPGR				
		J0JH0 - [REDACTED] XFMR Relay panels & BRKR				
		J0G9G - [REDACTED] BRKR-Bus UPGR BT 1-2 3-4				
		Breaker Upgrades Total			3,603	13,464
		Physical Security Upgrades	J0JH5 - CIP V5 [REDACTED] Relay UPGR			
Physical Security Upgrades Total			625	625		
Transformer Upgrades	J0J7X - [REDACTED] Sub XFMR-BRKR, Switch UPGR					
	J0HK6 - [REDACTED] XFMR 2 Upgr					
	J0G8Z - [REDACTED] XFMR Upgr and Brkr Addn					
	J0HK5 - [REDACTED] XFMR 1 Upgr w/ BRKR					
Transformer Upgrades Total			744	25,795		
Modernization Total			4,972	39,884		
Smart Grid	Intelligrid	J0LSS - [REDACTED] - INTG OPGW Pole UPGR				
		J0LST - [REDACTED] INTG OPGW Pole UPGR				
		J0LSW - [REDACTED] -3- INTG OPGW				
		J0LSX - [REDACTED] - INTG Pole UPGR				
		J0LMJ - INTG - [REDACTED]				
		J0LS4 - INTG Access High [REDACTED]				

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

\$ - Thousands

Category 1	Category 2	Category 3	Project Detail	2022	5-Year
Secure & Reliable Transmission	Smart Grid	Intelligrid	JOLS5 - INTG Access High		
			JOLS6 - INTG Access High		
			JOMD8 - INTG Access High		
			JOLS7 - INTG Access High		
			JOLP3 - INTG Access High		
			JOMCL - INTG Access High		
			JOMD6 - INTG Access High		
			JOMCK - INTG Access High		
			JOM91 - INTG Access High		
			JOMCJ - INTG Access High		
			JOM8X - INTG Access High		
			JOMCH - INTG Access High		
			JOQN4 - INTG Access High		
			JOLPX - INTG Access High		
			JOMCN - INTG Access High		345kV
			JOMNP - INTG Access High		69kV
			JOMCG - INTG Access High		
			JOM8V - INTG Access High		
			JOMCP - INTG Access High		
			JOMB5 - INTG Access High		
			JOMB4 - INTG Access High		
			JOMB3 - INTG Access High		
			JOPKW - INTG Access High		Trans MO
			JOMB2 - INTG Access High		
			JOMB0 - INTG Access High		
			JON5V - INTG Access Med		12kV
			JON5W - INTG Access Med		
			JONMS - INTG Access Med		2
			JON5X - INTG Access Med		
			JONMD - INTG Access Med		
			JON5Z - INTG Access Med		
			JON5B - INTG Access Med		
			JON60 - INTG Access Med		
JON62 - INTG Access Med					
JOTTP - INTG Access Med		-2			
JON63 - INTG Access Med					
JON65 - INTG Access Med					

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

\$ - Thousands

Category 1	Category 2	Category 3	Project Detail	2022	5-Year
Secure & Reliable Transmission	Smart Grid	Intelligrid	J0N6H - INTG Access Med [REDACTED] -1		
			J0N66 - INTG Access Med [REDACTED]		
			J0N6D - INTG Access Med [REDACTED]		
			J0N6K - INTG Access Med [REDACTED]		
			J0N6L - INTG Access Med [REDACTED]		
			J0N6M - INTG Access Med [REDACTED]		
			J0N6P - INTG Access Med [REDACTED]		
			J0N6R - INTG Access Med [REDACTED]		
			J0N6T - INTG Access Med [REDACTED]		
			J0N6V - INTG Access Med [REDACTED]		
			J0R6K - INTG Access Med [REDACTED]		
			J0N6Z - INTG Access Med [REDACTED]		
			J0N71 - INTG Access Med [REDACTED]		
			J0N6N - INTG Access Med [REDACTED] 3		
			J0N75 - INTG Access Med [REDACTED]		
			J0N77 - INTG Access Med [REDACTED]		
			J0N78 - INTG Access Med [REDACTED]		
			J0N6F - INTG Access Med [REDACTED] 2		
			J0N6C - INTG Access Med [REDACTED]		
			J0R6L - INTG Access Med [REDACTED]		
			J0Q4V - INTG Access Med Trans MO		
			J0N7D - INTG Access Med [REDACTED]		
			J0R5S - INTG ACCESS MED [REDACTED]		
			J0R5T - INTG ACCESS MED [REDACTED]		
			J0R60 - INTG ACCESS MED [REDACTED]		
			J0T6G - INTG RLY [REDACTED] -1, [REDACTED] -1		
			J086T - INTG Sub Trans. I/S 2021-MO		
			J0L60 - INTG Trans Lines [REDACTED] -P		
			J0881 - INTG Trans Lines I/S 2023-MO		
			J0T6Q - INTG [REDACTED] 161 Bus Tie		
			J0L61 - [REDACTED] - INTG OPGW Pole UPGR		
			J0L6T - [REDACTED] -2 OPGW		
			Intelligrid Total		
	Monitoring Upgrades		J0R88 - [REDACTED] -4585 - New Tower Lights		
			J0R8D - [REDACTED] - New Tower Lights		

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

\$ - Thousands

Category 1	Category 2	Category 3	Project Detail	2022	5-Year	
Secure & Reliable Transmission	Smart Grid	Monitoring Upgrades	JOR8F - [REDACTED] -4 - New Tower Lights			
			JOR8G - [REDACTED] - New Tower Lights			
			JOR8H - [REDACTED] -5 - New Tower Lights			
			JOR8J - [REDACTED] -4 - New Tower Lights			
			JOR8K - [REDACTED] -1 - New Tower Lights			
			JOW0N - [REDACTED] Battery Monitoring Sys			
			JOWVM - [REDACTED] Battery Monitoring Sys			
			Monitoring Upgrades Total			1,663
		Relay Upgrades	Relay Upgrades	JOLFM - [REDACTED] Relay UPGR		
				JOJGX - [REDACTED] Relay UPGR		
				JOLFR - [REDACTED] - Relay UPGR		
				JONB2 - [REDACTED] Relay UPGR		
				JONB3 - [REDACTED] Relay UPGR		
				JONB4 - [REDACTED] Relay UPGR		
				JONB5 - [REDACTED] Relay UPGR		
				JONB6 - [REDACTED] Relay UPGR		
				JONB7 - [REDACTED] Relay UPGR		
				JONB8 - [REDACTED] Relay UPGR		
				JOJGZ - [REDACTED] Upgrs [REDACTED] -3 -4		
				JOFS6 - [REDACTED] (138kV) - Relay UPGR		
JOW81 - [REDACTED] Relay Upgrade						
JOW82 - [REDACTED] Relay Upgrades						
JOWP3 - [REDACTED] - Relay UPGR (H5)						
JOTDP - [REDACTED] Bus 1 Upgrades						
JOTDR - [REDACTED] Bus 3 Upgrades						
JOTDQ - [REDACTED] Bus 4 Upgrades						
JOJH9 - [REDACTED] Relay Upgrs						
JOVFG - [REDACTED] 345kV Relay UPGR						
JO6FP - [REDACTED] - Add Relay						
JOFS9 - [REDACTED] (138kV) -Relay UPGR						
JOLFN - [REDACTED] - Relay Upgrade						
JOJHD - [REDACTED] Relay Upgrs						
JOGXF - [REDACTED] Swyd Upgr Controls						
JOTXR - [REDACTED] (161kV) Breaker Relay UPGR						
JOVFH - [REDACTED] 345kV Relay UPGR						
JOJGV - [REDACTED] UPGR Relays-BT BRKR						
JOLJW - [REDACTED] Relay UPGR						

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

\$ - Thousands

Category 1	Category 2	Category 3	Project Detail	2022	5-Year	
Secure & Reliable Transmission	Smart Grid	Relay Upgrades	J0LJV - ██████████ -138kV Relay UPGR			
			J0L68 - ██████████ - Relay Upgrade			
			J0LFQ - ██████████ - Relay UPGR			
			J0LFP - ██████████ Sub Relay UPGR			
			J0QWW - ██████████ -Relay Upgrade			
			J0L67 - ██████████ - Relay Upgrades			
			J0WP4 - ██████████ - Relay UPGR (V7)			
			J0TLL - ██████████ - V7 V9 Relay UPGR			
			J0LW6 - ██████████ 6H & 24H Relay UPGR			
			J0KGR - ██████████ 138kV Rly UPGR			
			J0J85 - ██████████ UPGR Relay and SW			
			J0WP5 - ██████████ - Relay UPGR (H5)			
			J0JHM - ██████████ Relay UPGR			
			J0JHN - ██████████ Relay UPGR ██████████ -1			
J0V09 - ██████████ 31H Line & BRKR Relay UPGR						
Relay Upgrades Total				5,885	12,901	
Smart Grid Total				41,403	437,753	
Secure & Reliable Transmission Total				131,442	762,534	
Cyber & Technology Upgrades	Customer Support	Customer System Enhancements				
			Customer System Enhancements Total			
		Intelligrid	J0SLN - ADSS INTG AM UEC D NG 2 ██████████			
			J0SLJ - ADSS INTG AM UEC NG3 ██████████			
			J0SLK - ADSS INTG AM UEC NG3 ██████████			
			J0MCB - INTG Access High NWG 4 - Dist UEC			
			J0SLC - INTG AM UEC MO Dist Sites			
			J0SM5 - INTG AM UEC NG2 D			
			J0SL3 - INTG AM UEC NG2 GP			
			J0SL8 - INTG AM UEC NG2 GP ██████████			
			J0SM2 - INTG AM UEC NG2 T			
			J0SM7 - INTG AM UEC NG3 D			
			J0SL4 - INTG AM UEC NG3 GP			
			J0SM8 - INTG AM UEC NG4 D			
J0SL5 - INTG AM UEC NG4 GP						

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

\$ - Thousands

Category 1	Category 2	Category 3	Project Detail	2022	5-Year
Cyber & Technology Upgrades	Customer Support	Intelligrd	J0SLQ - INTG AM UEC NG4 GP [REDACTED] J0SLB - INTG AM UEC NG4 GP [REDACTED]		
		Intelligrd Total		12,178	22,418
		Work & Asset Mgmt System Upgrades	J0HTJ - ADMS UPGR 2022-2023 - UEC J0DX2 - ASPIRE P3 E&G UEC J0K74 - DER Mapping UEC J0SG7 - DERMS 2022 UEC J0VNP - DFE CE - Electric Operations 2022 UEC J0VPG - DFE CE - GIS Electric 2022 UEC J0VNW - DFE CE SRT 2022 UEC J0642 - GIS Electric UPGR - UEC		
	Work & Asset Mgmt System Upgrades Total		13,952	90,047	
	Customer Support Total		26,130	112,971	
	Cyber Security	Cyber Security Upgrades/ New Technologies	J0Q61 - Centralized OT Cybersec - UEC 21		
			J0SJ3 - Centralized OT Cybersec - UEC 22		
	Cyber Security Upgrades/New Technologies Total		762	35,622	
	Cyber Security Total		762	35,622	
	Run The Business	Network & Server Upgrades	J0S26 - 6 GHZ Microwave Int Rem UEC		
J0SFS - Comm Tower Upgr - UEC 2022					
Network & Server Upgrades Total		1,941	3,852		
Run The Business Total		1,941	3,852		
Cyber & Technology Upgrades Total		28,833	152,445		
Innovative Opportunities	Electrification Infrastructure	Electrification Infrastructure	J0NLF - Electric Equipment J0NLC - Electric School Bus J0STB - Electrification Projects J0NL7 - EV Chargers - MO Workplace J0NLB - EV Chargers - Multifamily J0NLG - EV Transportation - On Road J0SM6 - Power Quality		
			Electrification Infrastructure Total		4,979
	Electrification Infrastructure Total		4,979	30,888	
Grid Innovative Technologies	Grid Innovative Technologies	J0KJ1 - Distributed Technology Pilots - UEC J0GJQ - Distributed Technology Pilots -UEC J0RJ4 - Test/Training [REDACTED] Turbine			

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

\$ - Thousands

Category 1	Category 2	Category 3	Project Detail	2022	5-Year
Innovative Opportunities	Grid Innovative Technologies	Grid Innovative Technologies	J0W7Z - UEC Hydrogen Project [REDACTED]		
			J0TKH - UEC Preliminary - DC Coupled Conver		
	Grid Innovative Technologies Total			2,266	6,543
	Grid Innovative Technologies Total			2,266	6,543
Innovative Opportunities Total				7,245	37,431
Grid Modernization Projects Total				740,588	3,641,583

NOTE: Only 2022 projects are listed.

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

\$ - Thousands

Category 1	Category 2	Category 3	2022	5-Year	
Smart, Reliable Grid Operations	Distribution Operations	Customer Requested	10,438	66,431	
		Emergency Work	17,969	118,973	
		Emergent Business	54,090	356,230	
		Fleet	24,191	152,933	
		General Plant	2,081	11,193	
		Government Relocations	11,122	64,180	
		Reliability & NESC	16,892	98,985	
		Transformers & Tools	26,928	185,129	
		Worst Performing Circuits	1,719	8,691	
		Office Furniture & Fixtures	671	4,471	
		Storms Rebuild	4,874	32,342	
		Circuit Inspection Resulting Work	29,838	152,773	
		UG Inspections Resulting Work	2,255	11,233	
		Device Inspection Resulting Work	665	3,327	
		Street Light Inspection Resulting Work	91	451	
	Distribution Operations Total			203,824	1,267,342
	Grid Resiliency/Operating Flexibility		Line Capacity Increases	10,780	29,849
			Substation Capacity Increases	9,600	57,511
			Subtransmission Switch Upgrades	3,589	23,394
	Grid Resiliency/Operating Flexibility Total			23,969	110,754
Substations - Condition Based Modernization		Sub/Switchgear Upgrades	98	98	
		Substation Spill Control	3,816	15,646	
Substations - Condition Based Modernization Total			3,914	15,744	
System Hardening		Brittle Conductor Upgrades	249	572	
		Inaccessible Circuit Relocations	1,543	1,543	
System Hardening Total			1,792	2,115	
Smart, Reliable Grid Operations Total			233,499	1,395,955	
Non-Nuclear Generation & Environmental	Modernization	Component/Material Upgrades	7,614	92,940	
		Controls/Communication Upgrades	1,610	38,442	
	Modernization Total		9,224	131,382	
	Regulatory & Facilities	Facility Upgrades	14,714	31,765	
		Regulatory Required	47,081	110,839	
	Regulatory & Facilities Total		61,795	142,604	
Reliability	Component Replacements	74,622	352,845		
Reliability Total		74,622	352,845		
Non-Nuclear Generation & Environmental Total			145,641	626,831	

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

\$ - Thousands

Category 1	Category 2	Category 3	2022	5-Year
Nuclear Generation	Modernization	Component/Material Upgrades	36,562	228,449
		Physical Security Upgrades	3,860	9,579
	Modernization Total		40,422	238,028
	Regulatory & Facilities	Facility Upgrades	1,277	1,790
		Regulatory Required	14,162	61,280
	Regulatory & Facilities Total		15,439	63,070
	Reliability	Component Replacements	44,706	188,554
Reliability Total		44,706	188,554	
Nuclear Generation Total			100,567	489,652
Hydro Generation	Modernization	Component/Material Upgrades	3,925	21,200
		Controls/Communication Upgrades	12,658	17,032
	Modernization Total		16,583	38,232
	Regulatory & Facilities	Facility Upgrades	7,872	57,142
		Regulatory Required	889	4,131
	Regulatory & Facilities Total		8,761	61,273
	Reliability	Component Replacements	9,390	50,731
Reliability Total		9,390	50,731	
Hydro Generation Total			34,734	150,236
Renewable & Gas Turbine Generation	Grid Performance	Renewables	16,004	24,786
	Grid Performance Total		16,004	24,786
	Modernization	Component/Material Upgrades	1,085	5,310
		Controls/Communication Upgrades	7,110	20,342
		Physical Security Upgrades	382	382
	Modernization Total		8,577	26,034
	Regulatory & Facilities	Facility Upgrades	2,798	3,058
	Regulatory & Facilities Total		2,798	3,058
	Reliability	Component Replacements	6,625	65,237
Reliability Total		6,625	65,237	
Renewable & Gas Turbine Generation Total			34,004	119,115
Secure & Reliable Transmission	Grid Performance	Line Reliability Improvements	27,481	47,926
	Grid Performance Total		27,481	47,926
	Modernization	Physical Security Upgrades	786	786
	Modernization Total		786	786

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

\$ - Thousands

Category 1	Category 2	Category 3	2022	5-Year
Secure & Reliable Transmission	Reliability	Condition Based Replacements	73,304	816,215
	Reliability Total		73,304	816,215
	Vehicles, Tools & Other	Vehicles, Tools & Other	6,252	27,203
	Vehicles, Tools & Other Total		6,252	27,203
Secure & Reliable Transmission Total			107,823	892,130
Cyber & Technology Upgrades	Business & Corp Services	Department System Upgrades	4,565	17,551
		Enterprise System Upgrades	29,984	136,697
	Business & Corp Services Total		34,549	154,248
	Customer Support	Customer System Enhancements	36,180	268,478
		Intelligrd	416	416
		Work & Asset Mgmt System Upgrades	8,856	77,208
	Customer Support Total		45,452	346,102
	Cyber Security	Cyber Security Upgrades/New Technologies	9,360	21,403
	Cyber Security Total		9,360	21,403
	Foundational Enablers	Analytics & Process Automation	11,977	39,944
		New Data Centers & Facility Technologies	1,257	95,297
		New User Technologies	1,002	5,866
	Foundational Enablers Total		14,236	141,107
Run The Business	Network & Server Upgrades	20,241	152,443	
	User Technology Upgrades	2,367	19,994	
Run The Business Total		22,608	172,437	
Cyber & Technology Upgrades Total			126,205	835,297
Operational & Customer Support Facilities	Facilities	Facilities	88,643	259,229
	Facilities Total		88,643	259,229
Operational & Customer Support Facilities Total			88,643	259,229
Innovative Opportunities	Other	Other	1,510	8,220
	Other Total		1,510	8,220
Innovative Opportunities Total			1,510	8,220
Ongoing Operations Total			872,626	4,776,665
Grand Total - Grid Modernization Projects + Ongoing Operations			1,613,214	8,418,248

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	Substation Capacity Increases	JOSJS - [REDACTED] Pad-mount XFMR-Line-C
			JOK6C - [REDACTED] Sub Distrib Line-C
			JOKSH - [REDACTED] Sub Substation-C
			JOSKZ - [REDACTED] Sub Transmission Lines-C
			JOK6D - [REDACTED] Sub-Line-C
			JOKS7 - [REDACTED] Sub-Sub-C
			JOSK7 - [REDACTED] New 34.5-13.8 kV Sub-Sub-C
			JOSKJ - [REDACTED] New 34.5-13.8 kV Sub-UG-C
			JOJFO - [REDACTED] 138-12kV - Line - C
			JOJL1 - [REDACTED] 138-12kV - Sub - C
			JOSLO - [REDACTED] 138-12kV - Xmsn-C
			JOJFD - [REDACTED] 138-12kV-UG-C
			JOSJW - [REDACTED] 34-12kV Sub-Line-C
			JOSKD - [REDACTED] 34-12kV Sub-[REDACTED]-Sub-C
			JOSK9 - [REDACTED] 34-12kV Sub-Sub-C
			JOWCO - [REDACTED] Substation-Line-C
			JOWC1 - [REDACTED] Substation-Sub-C
			JOSK1 - [REDACTED] Sub Upgr Sub-Site-C
			JOWMR - [REDACTED] 69kV North Bus Upgrade-Sub-C
			JOJTT - [REDACTED] Sub - Upgr Transformers
			JOWC2 - [REDACTED] New Sub-Line-C
			JOWC3 - [REDACTED] New Sub-Sub-C
			JOWMV - [REDACTED] -Upgrade XFMR Low-Side

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 ADMS - Ameren Data Mgmt System ADSS - All-Dielectric Self-Supporting Cable ARV - Archview Division BRK / BRKR - Breaker BT - Bus Tie CAB - Cable CAL - Callaway CBM - Condition-Based Modernization CERT - Customers Exceeding Reliability Threshold CKT - Circuit CMD - Central MO Division COMM - Communication CON / COND - Conduit CTG - Combustion Turbine Generator CTG VEN - Venice CTGs CTL/CNTL - Control C-UPGR - Cable Upgrade DA - Distribution Automation DAC - Distribution Automation Controller DCD - Distribution Control Dept DER - Distributed Energy Resources DERMS - DER Management System DFE - Digital Field Experience EQPINST - Equipment Installation EQPT - Equipment EV - Electric Vehicle EXT - Extension FCI - Fault Circuit Indicator FDR - Feeder FO - Fiber Optic GIS - Geographic Information System GOB - General Office Building GSU - Generator Step Up GWY - Gateway Division HISD - High Side HMI - Human Machine Interface I/S - In Service IF - Interconnection Facility INF - Infrastructure INTG - Intelligrid IOC - Integrated Operations Center KEO - Keokuk Energy Center LBD - Labadie Energy Center LINE-C - Line Companion Project * MDI - Missouri Distribution	MED - Medium MER - Meramec Energy Center MH - Manhole MKRDY - Make Ready MSRP - Metro South Reliability Project MVA - Mega Volt Amps MVD - Meramec Valley Division NMD - Northeast MO Division NTWK - Network NWG - Network Group OCB - Oil-filled Circuit Breaker OH - Overhead OPGW - Optical Ground Wire OT - Operational Technology OTU - Overhead To Underground PCB - Power Circuit Breaker PH - Phase PMU - Phasor Measurement Unit POS - Position PQ - Power Quality PTO - Pressure, Temp, Oil Level Monitoring RBLD - Rebuild RECON - Reconductor RELB - Reliability Upgrade RERTE - Re-route RTU - Remote Terminal Unit SITE-C - Site Companion Project * SMP - Smart Meter Program SUB-C - Substation Companion Project * SWGR - Switchgear SWO - Standing Work Order SWYD - Switchyard SX - Sioux Energy Center T&DD - Transmission & Distribution Design TDL - Terre Du Lac TEMP - Temperature TOU - Time-of-use TS - Taum Sauk Center UEC - Union Electric Company UG / UND - Underground UG-C - Underground Companion Project * UPGR - Upgrade VAR - Volt Amp Reactive VLT - Vault WPC - Worst Performing Circuit XFMR - Transformer
<p>*Companions are individual projects that make an over-arching project; by linking projects this way, administrative and executional efficiencies may be achieved.</p> <p>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.</p>	