BEFORE THE PUBLIC SERVICE COMMISSION OF THE STATE OF MISSOURI

In the Matter of the Compliance of KCP&L Greater)	
Missouri Operations Company with Certain)	File No. EO-2019-0045
Requirements Related to SB 564 and Related Matters)	

EVERGY MISSOURI WEST'S FIVE-YEAR CAPITAL INVESTMEN PLAN

COMES NOW Evergy Missouri West, Inc. d/b/a Evergy Missouri West¹ ("Evergy Missouri West" or the "Company") and pursuant to §393.1400.4 RSMo., states as follows:

- 1. The Company is submitting its five-year capital investment plan, setting forth the general categories of capital expenditures it will pursue in furtherance of replacing, modernizing, and securing its infrastructure at this time, including the Company's specific capital investment plan for the first year of the five-year plan. This documentation is attached as **Exhibit 2**. Because the 10K of Evergy, Inc. was not released publicly until today, March 2, 2020, the Company could not submit its five-year capital investment plan on February 28, 2020.
- 2. Confidential information has been redacted, consistent with 20 CSR 4240-2.135(2), to protect customer-specific information; contract negotiation strategies; facilities security; and information concerning trade secrets as defined in section 417.453 RSMo.
- 3. The Company will be holding the required public stakeholder meeting on March 25, 2020 beginning at 6:00 p.m. in the Lincoln Room of the Capital Plaza Hotel, 415 W. McCarty, Jefferson City, MO 65101.

¹ Effective October 7, 2019 Evergy Missouri West, Inc. d/b/a Evergy Missouri West adopted the service territory and tariffs of KCP&L Greater Missouri Operations Company.

WHEREFORE, Evergy Missouri West makes this filing under Section 393.1400.4 RSMo.

Respectfully submitted,

s Robert 9. Hack

Robert J. Hack, MBN 36496 Phone: (816) 556-2791

E-mail: rob.hack@evergy.com Roger W. Steiner, MBN 39586

Phone: (816) 556-2314

E-mail: roger.steiner@evergy.com

Evergy, Inc.

1200 Main – 16th Floor

Kansas City, Missouri 64105

Fax: (816) 556-2787

Attorneys for Evergy Missouri West

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the above and foregoing document was served upon all counsel of record on this 2^{nd} day of March 2020, via e-mail.

|s| Robert J. Hack

Robert J. Hack

Previously known as KCP&L Greater Missouri Operations

2020-2024 Missouri Capital Investment Plan

March 2, 2020

	In millions	May not foot due to rounding		Year 1	Year 1	Year 2	Year 3	Year 4	Year 5	Years 1-5
				2020	2020	2021	2022	2023	2024	2020-2024
Line	Rollup	Project	Grid Modernization Category	Grid Mod	Total	Total	Total	Total	Total	Total
1	Summary									
2	01-Generation				\$ 23.9 \$	100.9 \$	79.9 \$	52 3 \$	17.6	\$ 274.6
3	02-T&D				233.4	222.1	175.8	156.4	195 8	983.5
4	03-IT				41.8	17.5	17.3	14.6	14.1	105.3
5	04-General				7.8	0.7	0.7	0.7	0.7	10.6
6	Total				\$ 306.9 \$	341.2 \$	273.7 \$	224.0 \$	228.2	\$ 1,374.0

Year 1 Grid Modernization	
01 - Equipment Modernization	\$ 20.7
02 - Grid Resiliency	31.6
03 - Condition Based Modernization	91.5
04 - UG Cable System Upgrade	6.4
05 - Advanced Relaying	1.8
06 - Advanced Metering	14.9
07 - Operations Enhancement	9.4
08 - Grid Management	9.9
09 - Communications Infrastructure	1.9
Other	-
Grid Modernization Investments	\$ 188.2
Total Investments	\$ 306.9
Grid Modernization Investments %	61%

Year 1 Project Detail

Confidentiality

 The following pages contain project by project detail that is confidential and involves strategies employed, to be employed, or under considetation. The release of this information, including numeric values, numeric denominations and time periods or dates ("data") and the description or context of such data could harm the company by violating disclosure regulations required by governing authorities such as the U.S. Securities and Exchange Commission ("SEC"), the Federal Energy Regulatory Commission ("FERC"), the Nuclear Energy Regulatory Commission ("NERC") and various other regulatory agencies. The company also has a fiduciary duty to its employees, customers, communities, shareholders, Board of Directors, regulators and other stakeholders to protect sensitive information that may impact the operations or financial condition of the company.

Previously known as KCP&L Greater Missouri Operations

2020-2024 Missouri Capital Investment Plan

March 2, 2020 Years 1-5

2020-2024

Total

Year 5

2024

Total

Year 4

2023

Total

	In millions	May not foot due to rounding		Year 1	Year 1	Year 2	Year 3	
	III IIIIIIOIIS	way not loot due to rounding		2020	2020	2021	2022	
Line	Rollup	Project	Grid Modernization Category	Grid Mod	Total	Total	Total	
32	01-Generation	WYA0003	08 - Grid Management		- Total	10141		
33	01-Generation	VAG0020 Control Sys Repl	01 - Equipment Modernization					
34	01-Generation	WAR0002 Misc Tools and Small Cap Proj						
35	01-Generation	193062 Bottom Ash Handling System						
36	01-Generation	193061 Bottom Ash Handling System						
37	01-Generation	193063 Bottom Ash Handling System						
38	01-Generation	193367 Reheat Pendant Replacement						
39	01-Generation	AT01061 Holding Basin Recycle Pumps						
40	01-Generation	AS00225 Catalyst Add Spare Boiler Circ						
41	01-Generation	191548 Controls Upgrade						
42	01-Generation	AS00260 - PJFF Bag Replacement 2020						
43	01-Generation	WAD0129 - MCC 1and 2 Repl						
44	01-Generation	AT01063 Commom Demineralizer System						
45	01-Generation	192597 Controls Upgrade						
46	01-Generation	AR00020 Misc Tools and Small Cap Proj						
47	01-Generation	193596 Cascade Heating and Structure Upgr						
48	01-Generation	AT01060 Outfall 007-008 Modificatio						
49	01-Generation	WAD0145 Burner Management Repl						
50	01-Generation	WAD0321 MV Switchgear Repl						
51	01-Generation	WAD0335 - Rental RO Interconnections						
52	01-Generation	AS00313 - 2A ID Fan Overhaul						
53	01-Generation	AR00009 Misc Tools and Small Projects						
54	01-Generation	WAD0251 Turbine Extraction Modification						
55	01-Generation	WAD0337 - MCC 43 and 43A Repl						
56	01-Generation	193371 SCR Catalyst Layer 4 Install						
57	01-Generation	192559 Generator Stator Rewedge						
58	01-Generation	WAD0170 DCS Evergreen	01 - Equipment Modernization					
59	01-Generation	AS00327 Pneumatic Cnvy Sytm To Coal Si						
60	01-Generation	AG00432 Accelerated Unit Start						
61	01-Generation	AS00309 2B Circ Water Pump Reman						
62	01-Generation	192555 Cooling Tower SUS						
63	01-Generation	AS00321 - Service Water Pipin Re 2020						
64	01-Generation	AT01096 Comm Radio Upgrade						
65	01-Generation	WAD0252_ Lighting Panel Repl						
66	01-Generation	AG00436 Turbine Building Roof Repl						
67	01-Generation	192599_J3 Inner Cylinder Replacement						
68	01-Generation	AS00234 Waterlance Sootblowers						
69	01-Generation	AT01090 Rail Replacement						
70	01-Generation	AR00021 Misc Tools and Small Proj						
71	01-Generation	AG00433 Fly Ash Silo Base Enclosure						

Previously known as KCP&L Greater Missouri Operations

2020-2024 Missouri Capital Investment Plan

March 2, 2020 Years 1-5

	In millions	May not foot due to rounding		Year 1 2020	Year 1 2020	Year 2	Year 3	Year 4	Year 5	1
<u>Line</u>	Rollup	Project	Grid Modernization Category	Grid Mod	Total	2021 Total	2022 Total	2023 Total	2024 Total	ĺ
72	01-Generation	AS00581_ 2A FD Fan Overhaul	Grid Wodermzation Category	Grid Wild	Total	Total	Total	Total	Total	ш
73	01-Generation	192561 Scrubber Mist Eliminator Replace								
74	01-Generation	VAR0001 Misc Tools and Small Cap Proj								
75	01-Generation	VAR0006_ Misc Tools and Small Capital Pr								
76	01-Generation	AS00336_ Steam Inert MOV Bypass								
77	01-Generation	AT01085 Repl MCCs								
78	01-Generation	AT01078_ Fabric Filter Air Compr Rec								
79	01-Generation	AT01081 2019 Flood Restoration								
80	01-Generation	VAR0009 Misc Tools and Small Capital Pr								
81	01-Generation	AS00316 Repl MCCs Wtr Mngt and Tur Gen								
82	01-Generation	193363 103 Pulverizer Upgrade								
83	01-Generation	AS00319 - GC PCM 2 - CT PCM A UPS Repl								
84	01-Generation	192553 101 and 102 Cooling Tower DE Repla								
85	01-Generation	AT01097 Perimeter Fence Flood Resto								
86	01-Generation									
87	01-Generation									
88	01-Generation	AG00435 Mercury Monitors Upgrade AS00592 MOV Profibus Cable Repl								
89	01-Generation									
90		193359 FGD Landfill Expansion								
91	01-Generation	193128 Cooling Tower SUS								
	01-Generation	193101 Misc Tools and Small Projects								
92	01-Generation	190947_ Elevator Upgrade								
93	01-Generation	ATO1082_Railroad Bridge Cross Upgrd								
94	01-Generation	AS00580 BFP Remanufacture								
95	01-Generation	193122 Elevator Replacement								
96	01-Generation	193365 LPA Screen Cleaning Redesign								
97	01-Generation	AS00587 2C Clarifier Tank Recoat								
98	01-Generation	AS00586 Absorber Recycle Pump Suction								
99	01-Generation	193373 Combustion Optimizer								
100	01-Generation	192557 Flame Scanner Upgrade								
101	01-Generation	AT01069_CEM UPS Repl								
102	01-Generation	193110 Well No. 25 Replacement								
103	01-Generation	AT01092 Railroad Bridge Fused Levee								
104	01-Generation	AS00593_Repl 2B CCW Heat Exchanger								
105	01-Generation	AS00589 Fly Ash Silo Base Enclosure								
106	01-Generation	193377_ Generator Breaker 345-20 Replace								
107	01-Generation	193375 Generator Breaker 345-16 Replace								
108	01-Generation	193104 Miscellaneous Motor Upgrades 202								
109	01-Generation	AS00337 WM Underflow Pump Upgrade								
110	01-Generation	193353_ Coal Conveyor Belt Replacements								
111	01-Generation	AS00595Reman Aux Steam Safety								

Previously known as KCP&L Greater Missouri Operations

2020-2024 Missouri Capital Investment Plan

March 2, 2020 Years 1-5

	In millions	May not foot due to rounding		Year 1	Year 1	Year 2	Year 3	Year 4	Year 5
				2020	2020	2021	2022	2023	2024
<u>Line</u>	Rollup	Project	Grid Modernization Category	Grid Mod	Total	Total	Total	Total	Total
112	01-Generation	VAD0009_ Water Treatment Demolition							
113	01-Generation	AG00026_ 316B Fish at Intake							
114	01-Generation	WAA0004_ Misc Tools and Small Cap Proj							
115	01-Generation	AT01093_ Admin Building Expansion							
116	01-Generation	193108 Soot Blower Replacement 2020							
117	01-Generation	193351_ 2020 Safety Improvements							
118	01-Generation	193120 Turbine Fire Protection Upgrade							
119	01-Generation	AT01087_Fuel Yard Belt 6A Repl							
120	01-Generation	WAR0005_ Misc Tools and Small Capital Pr							
121	01-Generation	193355_ Railroad Track Upgrade 2020							
122	01-Generation	ATO1086_ Fuel Yard Belt 3B Repl							
123	01-Generation	193349 2020 Miscellaneous Valves							
124	01-Generation	AS00599_ Safety Projects							
125	01-Generation	AS00583_ Cooling Tower Riser Fill Line							
126	01-Generation	- Coagulant Upgr Pump-Piping							
127	01-Generation	VAR0004_ Misc Tools and Small Capital Pro							
128	01-Generation	AS00588_ IRIS PDTracil Upgr 13.8kV Mot							
129	01-Generation	193138_ Well 24 Rebuild							
130	01-Generation	192627_ Plant Hopper Diverter Chute In							
131	01-Generation	193114_ Heater Drip Pump Upgrade							
132	01-Generation	193285 BFP Recirc Valve Replacements							
133	01-Generation	AS00598_ Hydrogen Seal Oil Backup Pump							
134	01-Generation	AG00437_ Safety Projects							
135	01-Generation	ATO1084_ Install Fire Detection MCC							
136	01-Generation	AG00434_ IRIS PDTracil Upgr 13 8V Mot							
137	01-Generation	AS00590AQCs Expansion Joints Repl							
138	01-Generation	193357_ FGD Landfill Capping							
139	01-Generation	193383 Main Steam to SS CRV Upgrade							
140	01-Generation	193379 Main Steam to SS CRV Upgrade							
141	01-Generation	193381 Main Steam to SS CRV Upgrade							
142	01-Generation	193124 and Online RBC Mill Install							
143	01-Generation	193118_ PowerFilm Chemical Feed System							
144	01-Generation	ATO1089_ Fuel Yard AC Repl							
145	01-Generation	AT01099_ Safety Projects							
146	01-Generation	AT01091_ Storeroom Concrete Laydown							
147	01-Generation	193096 Aux Makeup Lake Inlet Pipe Upgra							
148	01-Generation	193112_ Feedwater pH Control System Upgr							
149	01-Generation	193126 Cooling Tower DE Replacement							
150	01-Generation Total			6.536	23.889				

Previously known as KCP&L Greater Missouri Operations

2020-2024 Missouri Capital Investment Plan

March 2, 2020 Years 1-5

		•							
	In millions	May not foot due to rounding		Year 1	Year 1	Year 2	Year 3	Year 4	Year 5
				2020	2020	2021	2022	2023	2024
1	Rollup	Project	Grid Modernization Category	Grid Mod	Total	Total	Total	Total	Total
	02-T&D	VBGB014_GMO 69kV Incremental Spending	03 - Condition Based Modernization						
	02-T&D	VKA0007_AMI - MPS	06 - Advanced Metering						
	02-T&D	VBGB015_Warrensburg 69kV Incremental Spend	03 - Condition Based Modernization						
	02-T&D	VPA0001_Fleet Purchased Vehicles							
	02-T&D	VME0001_New Bus-Res-Individual							
	02-T&D	VMA0002_Reloc-Residential & Coml	07 - Operations Enhancement						
	02-T&D	VBNT150_Increm Projects MO West GMO Trans	03 - Condition Based Modernization						
١.	02-T&D	VFW0001_ New Circuit							
)	02-T&D	VBR0001_Trns Repl & Impr	03 - Condition Based Modernization						
L	02-T&D	VBEB024_	02 - Grid Resiliency						
2	02-T&D	WBNT127_Increm Projects MO West SJLP Trans	03 - Condition Based Modernization						
3	02-T&D	VJR0003_Distibution from CUP							
1	02-T&D	VBCB001_GMO 345kV Incremental Spending	02 - Grid Resiliency						
5	02-T&D	VMC0017_Distribution Pole Restoration	03 - Condition Based Modernization						
5	02-T&D	VMJ0002_Purchase & Install Pad Mounted	01 - Equipment Modernization						
7	02-T&D	VBGB013_Rebld	03 - Condition Based Modernization						
3	02-T&D	VMJ0001_Purchase & Install Pole Mounte	01 - Equipment Modernization						
,	02-T&D	VMC0002_OH Distr Replmnts	01 - Equipment Modernization						
)	02-T&D	VMM0005_High Outage Count Customers	02 - Grid Resiliency						
L	02-T&D	VBND139_Rpl Antiq Gassing Tranfmrs-Reactive	01 - Equipment Modernization						
2	02-T&D	VMK0001_Purchase Metering Equipment	06 - Advanced Metering						
3	02-T&D	VMC0003_UG Distr Replmnts	04 - UG Cable System Upgrade						
1	02-T&D	WMC0002_OH Distribution Replacements	01 - Equipment Modernization						
5	02-T&D	WBND122_ Transformer	02 - Grid Resiliency						
5	02-T&D	VME0002_New Bus Comm l							
7	02-T&D	VFU0003_New Circuit	02 - Grid Resiliency						
3	02-T&D	VJG0007_ Extension							
•	02-T&D	WBR0001_Trns Repl & Impr	03 - Condition Based Modernization						
)	02-T&D	VMC0005_Overhead Distribution Replacement							
L	02-T&D	VJL0005_ New Circuit							
2	02-T&D	WBND046_Build Substation	02 - Grid Resiliency						
3	02-T&D	WFB0001_ Rebuild Dist. Work	02 - Grid Resiliency						
1	02-T&D	WME0001_New Bus-Res-Individual							
5	02-T&D	VBGB011_69kV Transmission Line Reliability	02 - Grid Resiliency						
5	02-T&D	WBFB007_Rebuild 69kV lines	02 - Grid Resiliency						
7	02-T&D	VMC0015_Repl URD Cable Dist-UG	04 - UG Cable System Upgrade						
3	02-T&D	VBNT041_Inst Fault Rlays w/Scada Comm	05 - Advanced Relaying						
9	02-T&D	VMK0004_Elec Charging Stations for GMO-MPS	08 - Grid Management						
)	02-T&D	MK00005_Charging Stations MO - 2013	08 - Grid Management						
L	02-T&D	MN00001_Distribution Automation	07 - Operations Enhancement			-			

Previously known as KCP&L Greater Missouri Operations

2020-2024 Missouri Capital Investment Plan

March 2, 2020 Years 1-5

	•							
In millions	May not foot due to rounding		Year 1	Year 1	Year 2	Year 3	Year 4	Year 5
			2020	2020	2021	2022	2023	2024
Rollup	Project	Grid Modernization Category	Grid Mod	Total	Total	Total	Total	Total
02-T&D	VBNT147_ Upgrade terminals OBL	01 - Equipment Modernization						
02-T&D	VFQ0001_ Feeder Upgrade	02 - Grid Resiliency						
02-T&D	VIF0003_Install new circuit to							
02-T&D	VBND138sub rebuild	01 - Equipment Modernization						
02-T&D	WBND123_ Transformer 2 Install	02 - Grid Resiliency						
02-T&D	VBND140_Increm Projects MO West GMO Dist	03 - Condition Based Modernization						
02-T&D	WMM0001_Proactive Cable Replacement	04 - UG Cable System Upgrade						
02-T&D	VMF0001_Street Ltg							
02-T&D	VJR0001_Dist from							
02-T&D	VBEB035_Distribution from							
02-T&D	VBFB005_Rebuild 34KV	03 - Condition Based Modernization						
02-T&D	VMC0016_Recndt-Rebld OH Latrls Dist	02 - Grid Resiliency						
02-T&D	WME0002_New Bus Comm I							
02-T&D	WMA0002_Relocations-Residential & Comm	07 - Operations Enhancement						
02-T&D	WBND128_Increm Projects MO West SJLP Dist	03 - Condition Based Modernization						
02-T&D	WFD0001_ 69kV Rebuild Dist. Work	02 - Grid Resiliency						
02-T&D	VHF0001_Add Neutral btw	02 - Grid Resiliency						
02-T&D	WLH0005_ 69KV Rebuild Dist. Work	02 - Grid Resiliency						
02-T&D	VBND099_Replace Antiquated and Gassing Tran	03 - Condition Based Modernization						
02-T&D	WLA0002_New circuit from							
02-T&D	VMM0001_Proactive Cable Replacement	04 - UG Cable System Upgrade						
02-T&D	VMD0002_Substa Battery+Charger - MPS	03 - Condition Based Modernization						
02-T&D	WMM0005_High Outage Count Customers	02 - Grid Resiliency						
02-T&D	WMC0005_Overhead Distribution Replacement							
02-T&D	VJW0001_Relo existing							
02-T&D	VBR1003_Substation Trans Yrly MPS Reactive	01 - Equipment Modernization						
02-T&D	WBR0003_Substation Trans Yearly - SJLP	03 - Condition Based Modernization						
02-T&D	WBR1003_Substation Trans Yrly-SJLP Reactive	01 - Equipment Modernization						
02-T&D	VBR0003_Substation Trans Yearly - MPS	03 - Condition Based Modernization						
02-T&D	WMA0001_Highway Relocations - Reimburs	01 - Equipment Modernization						
02-T&D	VJW0002_							
02-T&D	VBNT143_ Terminal Upgrade	01 - Equipment Modernization						
02-T&D	VMC0018_Eng FDR Repl/Imprv-Dist	02 - Grid Resiliency						
02-T&D	VMN0001_Distribution Automation	07 - Operations Enhancement						
02-T&D	VMC0004_Distribution Replacements Due	03 - Condition Based Modernization						
02-T&D	VMH0001_Dusk to Dawn Lighting							
02-T&D	WLH0004 Circuit for							
02-T&D	WLA0001_Reconductor	01 - Equipment Modernization						
02-T&D	WMC0018_Eng FDR Repl/Imprv-Dist-OH	02 - Grid Resiliency						
02-T&D	WJD0001 69kV Rebuild Dist. Work	02 - Grid Resiliency						

Previously known as KCP&L Greater Missouri Operations

2020-2024 Missouri Capital Investment Plan

March 2, 2020

In millions	Years 1-9
Line Rollup Project Grid Modernization Category Grid Mod Total Total Total Total Total 232 02-T&D VMA0001_Highway Relocations-Reimbursab 01 - Equipment Modernization 02 - T&D VPED001_4kV to12kV Conv 01 - Equipment Modernization 234 02-T&D VBEB037	2020-202
232 02-T&D VMA0001_Highway Relocations-Reimbursab 01 - Equipment Modernization 233 02-T&D VFD0001_4kV to12kV Conv 01 - Equipment Modernization 234 02-T&D VBEB037 Switchgears Feeder Cable Replac 235 02-T&D VPC0001_Small Permanent Tools 236 02-T&D VBND131_Upgrade Substati 02 - Grid Resiliency 237 02-T&D WJB0001 69kV RbId Dist 02 - Grid Resiliency 238 02-T&D WJB0001 Tx No 2 Upgrad to 25M 01 - Equipment Modernization 239 02-T&D WGE0006_Rplc 0pen Air SWGR 01 - Equipment Modernization 230 02-T&D WGE0006_Rplc 0pen Air SWGR 01 - Equipment Modernization 240 02-T&D WGR0005_Recendr 2 phs and neutral 02 - Grid Resiliency 241 02-T&D WJD0001_Substa Distribution Yearly-MPS 03 - Condition Based Modernization 242 02-T&D WMD0003_Substa Distribut Yrly-MPS Reactive 01 - Equipment Modernization 243 02-T&D WGR0005_Extend new circuit	Total
233 02-T&D VFD0001_4kV to12kV Conv 01 - Equipment Modernization 234 02-T&D VBEB037 Switchgears Feeder Cable Replac 235 02-T&D VPC0001_Small Permanent Tools 236 02-T&D VBND131_Upgrade Substati 02 - Grid Resiliency 237 02-T&D WJB0001	
234 02-T&D VBEB037 Switchgears Feeder Cable Replac 235 02-T&D VPC0001_Small Permanent Tools 236 02-T&D VBND131_Upgrade Substati 02 - Grid Resiliency 237 02-T&D WJB0001 69kV Rbld Dist 02 - Grid Resiliency 238 02-T&D VBND110 Tx No 2 Upgrad to 25M 01 - Equipment Modernization 239 02-T&D WGE0006_Rplc Open Air SWGR 01 - Equipment Modernization 240 02-T&D VGR0005_Recndr 2 phs and neutral 02 - Grid Resiliency 241 02-T&D WLD0002 69kV Rebuild Dist. Work 02 - Grid Resiliency 242 02-T&D VMD0001_Substa Distribution Yearly-MPS 03 - Condition Based Modernization 243 02-T&D WGW0005_Extend new circuit 244 02-T&D WGW0005_Extend new circuit 245 02-T&D VBGB012_69kV Transmission Line Switch Insta 03 - Condition Based Modernization	
235 02-T&D VPC0001_Small Permanent Tools 236 02-T&D VBND131_Upgrade Substati 02 - Grid Resiliency 237 02-T&D WJB0001	
02-T&D VBND131_Upgrade Substati 02 - Grid Resiliency 02-T&D WJB0001	
237 02-T&D WJB0001 69kV Rbld Dist 02 - Grid Resiliency 238 02-T&D VBND110 Tx No 2 Upgrad to 25M 01 - Equipment Modernization 239 02-T&D WGE0006 Rplc Open Air SWGR 01 - Equipment Modernization 240 02-T&D VGR0005 Recndr 2 phs and neutral 02 - Grid Resiliency 241 02-T&D WLD0002 69kV Rebuild Dist. Work 02 - Grid Resiliency 242 02-T&D VMD0001 Substa Distribution Yearly-MPS 03 - Condition Based Modernization 243 02-T&D VMD0003 Substa Distribut Yrly-MPS Reactive 01 - Equipment Modernization 244 02-T&D WGW0005 Extend new circuit 03 - Condition Based Modernization	
239 02-T&D WGE0006_Rplc Open Air SWGR 01 - Equipment Modernization 240 02-T&D VGR0005_Recndr 2 phs and neutral 02 - Grid Resiliency 241 02-T&D WLD0002	
239 02-T&D WGE0006_Rplc Open Air SWGR 01 - Equipment Modernization 240 02-T&D VGR0005_Recndr 2 phs and neutral 02 - Grid Resiliency 241 02-T&D WLD0002_100006_69kV Rebuild Dist. Work 02 - Grid Resiliency 242 02-T&D VMD0001_Substa Distribution Yearly-MPS 03 - Condition Based Modernization 243 02-T&D VMD0003_Substa Distribut Yrly-MPS Reactive 01 - Equipment Modernization 244 02-T&D WGW0005_Extend new circuit 245 02-T&D VBGB012_69kV Transmission Line Switch Insta 03 - Condition Based Modernization	
24002-T&DVGR0005_Recndr 2 phs and neutral02 - Grid Resiliency24102-T&DWLD0002	
242 02-T&D VMD0001_Substa Distribution Yearly-MPS 03 - Condition Based Modernization 243 02-T&D VMD0003_Substa Distribut Yrly-MPS Reactive 01 - Equipment Modernization 244 02-T&D WGW0005_Extend new circuit 245 02-T&D VBGB012_69kV Transmission Line Switch Insta 03 - Condition Based Modernization	
243 02-T&D VMD0003_Substa Distribut Yrly-MPS Reactive 01 - Equipment Modernization 244 02-T&D WGW0005_Extend new circuit 245 02-T&D VBGB012_69kV Transmission Line Switch Insta 03 - Condition Based Modernization	
244 02-T&D WGW0005_Extend new circuit 245 02-T&D VBGB012_69kV Transmission Line Switch Insta 03 - Condition Based Modernization	
245 02-T&D VBGB012_69kV Transmission Line Switch Insta 03 - Condition Based Modernization	
246 02-T&D WMD0001_Substa DistributionYearly-SJLP 03 - Condition Based Modernization	
247 02-T&D WMD0003_Subst Distribut Yearly-SJLP Reactiv 01 - Equipment Modernization	
248 02-T&D WJA0003_ 69kV Rebuild Dist. Wo 02 - Grid Resiliency	
249 02-T&D VBNT132_ Sub Terminal Upgrade 02 - Grid Resiliency	
250 02-T&D WGR0001 Replacement 01 - Equipment Modernization	
251 02-T&D WGA0004_ Replacement 01 - Equipment Modernization	
252 02-T&D VBNT145 Substation Enhancements 01 - Equipment Modernization	
253 02-T&D WMN0001_Distribution Automation 07 - Operations Enhancement	
254 02-T&D WMC0015_Repl URD Cable Dist-UG 04 - UG Cable System Upgrade	
255 02-T&D VJG0008_ Conversion 01 - Equipment Modernization	
256 02-T&D WMC0004_Distribution Replacements Due 03 - Condition Based Modernization	
257 02-T&D WMC0025_Load Growth OH Small Job ord	
258 02-T&D VMD1005_Replace Transrupters 01 - Equipment Modernization	
259 02-T&D WBNT119_Replace RFL Relays 05 - Advanced Relaying	
260 02-T&D WMH0001_Dusk to Dawn Lighting	
261 02-T&D WMC0017_Distribution Pole Restoration 03 - Condition Based Modernization	
262 02-T&D VBNT119_Instl	
263 02-T&D VPC0005_Garage Equipment	
264 02-T&D WHA0002	
265 02-T&D WBEA010_161kV 02 - Grid Resiliency	
266 02-T&D WMC0003_UG Distribution Replacements 04 - UG Cable System Upgrade	
267 02-T&D VBND111_Distribution RTU Ugrade MPS 01 - Equipment Modernization	
268 02-T&D VBNT112_Transmission OCB - VCB Upgrade MPS 01 - Equipment Modernization	
269 02-T&D WGV0008_ 01 - Equipment Modernization	
270 02-T&D VMC0025_Load Growth OH Small Job ord	
271 02-T&D WML0001_Line Capacitors-All Dist 02 - Grid Resiliency	

Previously known as KCP&L Greater Missouri Operations

2020-2024 Missouri Capital Investment Plan

March 2, 2020

	In millions	May not foot due to rounding		Year 1	Year 1	Year 2	Year 3	Year 4	Year 5	Years 1-5
		may not look due to rounding		2020	2020	2021	2022	2023	2024	2020-2024
<u>Line</u>	Rollup	Project	Grid Modernization Category	Grid Mod	Total	Total	Total	Total	Total	Total
272	02-T&D	VBND112_Distribution OCB - VCB Upgrade MPS	01 - Equipment Modernization							•
273	02-T&D	VJL0003								
274	02-T&D	WBNT126_Lake Rd Replace R2 - 4 Breaker	01 - Equipment Modernization							
275	02-T&D	WGF0004_	01 - Equipment Modernization							
276	02-T&D	VBNT111_Transmission RTU Upgrade MPS	01 - Equipment Modernization							
277	02-T&D	WBNT034Install Fault Rlays	05 - Advanced Relaying							
278	02-T&D	VBND098_Replace E-M relays on transf diff s	05 - Advanced Relaying							
279	02-T&D	VBR0002_Trans Reloc - Hwy Reimb	01 - Equipment Modernization							
280	02-T&D	VML0001_Line Capacitors-All Dist	02 - Grid Resiliency							
281	02-T&D	VBND124_New reclosers for	01 - Equipment Modernization							
282	02-T&D	VBND132_Upgrade Substation Recloser	01 - Equipment Modernization							
283	02-T&D	WBND126_Rplc recloser at head of	01 - Equipment Modernization							
284	02-T&D	WBND124_Rplc recloser at head of	01 - Equipment Modernization							
285	02-T&D	WBND125_Rplc recloser at head of	01 - Equipment Modernization							
286	02-T&D	VBND117_Sub Oil Spill Containment MPS								
287	02-T&D	VBNT148_ Replace RTU	01 - Equipment Modernization							
288	02-T&D	VBNT146_	01 - Equipment Modernization							
289	02-T&D	WMC0016_Recndt-Rebld OH Latrls Dist-OH	02 - Grid Resiliency							
290	02-T&D	WMD0002_Substa Battery+Charger -	03 - Condition Based Modernization							
291	02-T&D	VBND097_Install Swgr Auto-throwover	01 - Equipment Modernization							
292	02-T&D	VBND113_Instl microprocessor relays -	05 - Advanced Relaying							
293	02-T&D	WBND041_Install Swgr Auto throwover	01 - Equipment Modernization		_					
294	02-T&D	WBR0002_Trans Reloc - Hwys Reimb	01 - Equipment Modernization							
295	02-T&D Total			176.653	233.415					
296										
297	03-IT	PG00386_								
298	03-IT	VPF0111_								
299	03-IT	PF00198_	08 - Grid Management							
300	03-IT	PG00251_								
301	03-IT	EAMDISTRIB_								
302	03-IT	NGCC_Next Generation Call Center Roadmap								
303	03-IT	EAMGEN_								
304	03-IT	PG00245_HR Consolidation								
305	03-IT	WPF0057Sub Fiber	09 - Communications Infrastructure							
306	03-IT	RADIOSYS								
307	03-IT	PF00333_Data Center Consolidation								
308	03-IT	PF00345_Disk Storage Add								
309	03-IT	PF00322_	09 - Communications Infrastructure							
310	03-IT	PF00346_Data Center Next Generation								
311	03-IT	DGTLTRNSFM_Data Network Digital Transformation								

Previously known as KCP&L Greater Missouri Operations

2020-2024 Missouri Capital Investment Plan

March 2, 2020 Years 1-5

		-							
In mil	illions	May not foot due to rounding		Year 1	Year 1	Year 2	Year 3	Year 4	Year 5
				2020	2020	2021	2022	2023	2024
Rollup	ıp	Project	Grid Modernization Category	Grid Mod	Total	Total	Total	Total	Total
03-IT	Г	PG00428_Intelligent Automation							
03-IT	Г	50B109_PURCHASE COMPUTER EQUIPMENT-IT							
03-IT	Г	PF00133_Yearly - PC Refresh							
03-IT	Г	VPF0107_	09 - Communications Infrastructure						
03-IT	Г	COMMSTDUPT_Communications Standard Updates							
03-IT	Г	IDACCSSCTL_Identity Access Control - Roadmap							
03-IT	Г	TABLETROLL_Tablet RollOut							
03-IT	Г	VPF0134_GMO MW Overlay Project	09 - Communications Infrastructure						
03-IT	Г	TRNSCSTCOM_Transactional Cust Comm							
03-IT	Г	PF00347_Data Center Electrical-Power-HVAC							
03-IT	Г	DATCTRELEC_Data Center Electric-Power-HVAC							
03-IT	Г	ANALYTTECH_							
03-IT	Г	DATATECH_Data Technologies							
03-IT	Г	CYBERARKCI_ Corporate Implementation							
03-IT	г	BIDATALAKE_ Project							
03-IT	Г	SHAREPTUPGUpgrade							
03-IT	г	SHAREPT_Network Access Control							
03-IT	Г	SKYPESTDUP_Skype Room Standard Updates							
03-IT	Г	PG00403_							
03-IT	Г	B00285_BLKT-IT DataCenter Hardware							
03-IT	г	NEWFACTELE_New Facilities Telecom							
03-IT	г	FILENETMIG_Migration out of							
03-IT	г	TELESTDUPT_Telecom Standard Updates							
03-IT	г	FIBEREXTEN_Fiber Extensions - North							
03-IT	г	PF00350_Enterprise Integration Platfrm Prog							
03-IT	Г	PG00404_ Implementation							
03-IT	Г	PF00349_Data Center Hardware Refresh							
03-IT	Г	SECVIDEO_Phys Sec Video Consol Roadmap SW							
03-IT	Г	VPF0133_Yearly PC Refresh - MPS							
03-IT	г	ACEUSE Cases							
03-IT	Г	PG00393 Upgrade							
03-IT	г	PF00337_Removing Telco Circuits							
03-IT	Г	RETMAINFRM_Mainframe Retirement							
03-IT	Г	SECVIDEOHW_Phys Sec Video Consol Roadmap HW							
03-IT	г	DATGOVTECH_Data Governance Technologies							
03-IT	Г	AVSTDUPDT AV Standard Updates							
03-IT		PF00357							
03-IT		INFOSECYLY_Info Security Yearly							
03-IT		PF00353_Physical Security Initiatives							
	Г	PHSECSTDUP_Physical Security Standard Updates							

Previously known as KCP&L Greater Missouri Operations

2020-2024 Missouri Capital Investment Plan

March 2, 2020 Years 1-5

2020-2024

Total

Year 5

2024

Total

Year 3

2022

Total

Year 4

2023

Total

	In millions	May not foot due to rounding		Year 1	Year 1	Year 2
				2020	2020	2021
ine	Rollup	Project	Grid Modernization Category	Grid Mod	Total	Total
352	03-IT	F5LICENSES_				
353	03-IT	GISPORTENH_				
354	03-IT	-Hardware Enterprise DWare				
355	03-IT	PWRDLVANLT_Power Delivery Analytics				
356	03-IT	CORPAPANLT_Corporate Applications Analytics				
357	03-IT	CUSTANLT_Customer Analytics				
358	03-IT	GENANLT_Generation Analytics				
359	03-IT	CASCADEUPG_				
360	03-IT	PF00334_				
361	03-IT	USBCONTROL Scanning				
362	03-IT	NERCPROTCT_				
363	03-IT	NEWFACAV_New Facilities AV				
364	03-IT	SWIFT2 Phase 2				
365	03-IT	PG00408_				
366	03-IT	PG00409_Power Marketing Advanced Analytics				
367	03-IT	OMSCONSOLHW_ Hardware				
368	03-IT	PG00405_ Settlements Syst Repl				
369	03-IT	VPF0109_				
370	03-IT	BOXPOC				
371	03-IT	BOXIMPLMTN				
372	03-IT	PG00422_Phys Access Control Systems (PACS)				
373	03-IT	SNIMPLMTNS_ Implementations				
374	03-IT	SPMETATAG_				
375	03-IT	OUTAGETEXT_Auto-Enroll Outage Texting				
376	03-IT	PHYSSECYLY_Physical Security Yearly				
377	03-IT	PF00338_Physical Security Enhancements				
378	03-IT	PF00355_ Enhancements				
379	03-IT	PG00410_				l
380	03-IT	PF00167_Replacement				
381	03-IT	OPNPAGEMIG_Migrate out of				
382	03-IT	DATACNTYLY_Data Center Yearly Capital				
383	03-IT	FMESRVIMP_ Server Implementation				l
384	03-IT	PF00356_Yearly Telecom Equipment				
385	03-IT	PG00117_Yearly Printer Refresh				l
386	03-IT	NETAPPENHCNet Application Enhancements				
387	03-IT	MDLWRSTDUP_Middleware Scheduled Upgrades				l
388	03-IT	PG00413_				
389	03-IT	PG00411_Upgrades				l
390	03-IT	PG00412_				
391	03-IT	SQLSRVRUPG_ Server Upgrades				ĺ

Previously known as KCP&L Greater Missouri Operations

2020-2024 Missouri Capital Investment Plan

March 2, 2020

1	In millions	May not foot due to rounding		Year 1	Year 1	Year 2	Year 3	Year 4	Year 5	Years 1-5
				2020	2020	2021	2022	2023	2024	2020-2024
<u>Line</u>	Rollup	Project	Grid Modernization Category	Grid Mod	Total	Total	Total	Total	Total	Total
392	03-IT	EMSCOMPLYHW_								
393	03-IT	ASKSAMCONV_								
394	03-IT	SPEDISCVRY_								
395	03-IT	INFOPATHCV_								
396	03-IT	PG00415_								
397	03-IT	PG00417_								
398	03-IT	PG00416_								
399	03-IT	ACCESSCTRL_Phys Access Control Consol Roadmap								
400	03-IT	PWRMKTANLT_Power Marketing Analytics								
401	03-IT	PG00420_All								
402	03-IT	UNSTRUCDTA_Unstructured Data Management								
403	03-IT	MBLSURVUNT_Mobile Surveillance Unit								
404	03-IT	PF00359_Mobile Surveillence Unit								
405	03-IT	PG00271_Capacity Upgrades - KCPL								
406	03-IT Total			4.696	41.844					
407										
408	04-General	NO-PROJECT_No project populated								
409	04-General	VPE0056_ Bathroom-break room remodel								
410	04-General	VPE0057_Paving - rear yard asphalt								
411	04-General	PG00424_ Software								
412	04-General	PG00423_ Software								
413	04-General	VPE0058_Belton Asphalt Concrete project								
414	04-General	WMK0001_Purchase Metering Equipment	06 - Advanced Metering							
415	04-General	VPE0060_ Fleet Bathroom remodel								
	04-General	VPK0001_ Supply Chain Facilities								
	04-General Total			0.296	7.760					
418										
419										