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Xcel Energy Information Request No. 17
Docket No.: E002/M-13-867
Response To: Minnesota Solar Energy Industries Association
Requestor: David Shaffer
Date Received: July 3, 2019

Question:

Xcel's Alternative Avoided Distribution Capacity Cost method is based on two years of actual and three years of budgeted capacity-related distribution projects.

- a. Please provide all distribution projects for these five years, not just capacity-related projects. Please explain why the other distribution projects are not capacity-related, using the 5 exclusions from capacity-related projects listed on page 10. Provide both the cost (\$) and the added distribution capacity (kW) for these other distribution projects.
- b. Please provide additional available years of capacity-related distribution projects, up to 10 years of actual (historical) and five years of budgeted (forecast). Provide both the cost (\$) and the added distribution capacity (kW) for these other distribution projects.
- c. Please provide all distribution projects for the years provided in part (b) of this question, not just capacity-related projects. Please explain why the other distribution projects are not capacity-related, using the 5 exclusions from capacity-related projects listed on page 10. Provide both the cost (\$) and the added distribution capacity (kW) for these other distribution projects.

Response:

- a. See Attachment A to this response. This shows all Electric Distribution project spend for the 5 years. Included on the Notes tab of the spreadsheet is a description of how to sort the data to get the total electric distribution spend and the capacity only spend as historically filed.

Additionally, VOS classifications Blanket, Program, and NA have been included in this Response, although none of these should be included in the VOS calculation. Blankets are small dollar in year reactive nondiscretionary work that is generally reliability based and Program is program-driven spend, which stem from programmatic ongoing work to address an issue or trend over time. NA means

Not Applicable. This is because the program types are not Capacity and the projects are not capacity related – thus the added capacity is zero.

- b. The Company respectfully objects to this request. The Commission has stated that “... it expects parties to respond to information requests in good faith and on a timely basis except if doing so would be unduly burdensome...” (Docket E002/M-13-867, Order of December 21, 2017, page 8). Here, it would be unduly burdensome for the Company to respond to this request as it is seeking 10 years of historical information on capacity-related distribution projects and 5 years of budget forecasts. As noted on page 10 of our May 1, 2019 filing, “*Outside of the VOS calculation, the Company does not have a business need to develop a specific category of deferrable capacity-related distribution projects. The identification of deferrable project costs is generally based on the expertise of the distribution personnel with specialized knowledge of the system.*” It would require a special study to develop information as requested, and given the large time-frame being requested this would be very time consuming and speculative. Notwithstanding this objection, please see response to IR 17-a where information on two years of actual and three years of budgeted capacity-related distribution projects has been addressed.
- c. The Company respectfully objects to this request. The Commission has stated that “... it expects parties to respond to information requests in good faith and on a timely basis except if doing so would be unduly burdensome...” (Docket E002/M-13-867, Order of December 21, 2017, page 8). Here, it would be unduly burdensome for the Company to respond to this request as it seeks 10 years of historical information on all distribution projects and 5 years of budget forecasts. Also, the Company clarifies that the 5 project types were identified as a non- exhaustive list. On page 10 of its May 1, 2019 filing the Company specifically stated that “*Outside of the VOS calculation, the Company does not have a business need to develop a specific category of deferrable capacity-related distribution projects. The identification of deferrable project costs is generally based on the expertise of the distribution personnel with specialized knowledge of the system. Projects that are excluded from the deferrable capacity-related project list include those that are driven by: • Asset health, • Equipment failure, • Large customer requirements, • Transmission requirements, and • Reliability requirements.*” A response to this request would require a special study, and given the large time-frame being requested this would be very time consuming and speculative. Notwithstanding these objections, please see response to IR 17-a where information on two years of actual and three years of budgeted capacity-related distribution projects has been addressed.
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Project Title	Asset Type	Program Type	B/C	Loc	2016	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
Minnesota- Dist Sub Eq Replace	Dist Subs	Sub Asset Health	B	103	2,267,382	Sub Asset Health	Sub Asset Health	NA	No	0
Transportation-NSPM Tools	Other	Other	B	103	80,221	Other	Other	NA	No	0
Specialty Construction Blanket	Other	Other	B	103	173,691	Other	Other	NA	No	0
MN-Electric Meter Blanket	Purchase	Equip Purchase	B	103	5,090,194	Equip Purchase	Equip Purchase	NA	No	0
MN-Transformer Purchases	Purchase	Equip Purchase	B	103	19,956,260	Equip Purchase	Equip Purchase	NA	No	0
MN-Dist Sub Tool & Equip	Other	Other	B	103	512,313	Other	Other	NA	No	0
NSPM Metering Sys-Tools & Equip	Other	Other	B	103	45,921	Other	Other	NA	No	0
NSPM-Fdr Cable Replacement-Emerg	Elec Recon	Reliability	S	103	2,008,082	Reliability	Reliability	NA	No	0
NSPM-Poor Performing Fdr Blanket	Elec Recon	Reliability	S	103	381,334	Reliability	Reliability	NA	No	0
MN-Construct Dist Sub Tool & Equip	Other	Other	B	103	24,975	Other	Other	NA	No	0
NSPM - Accelerated URD Cable Replacement	Elec Recon	Reliability	S	103	16,979,613	Reliability	Reliability	NA	No	0
Scrap Sale Credits-MN	Other	Other	S	103	525,786	Other	Other	NA	No	0
Capitalized Locating Cost-Elec-NSPM	Other	Other	B	103	546,307	Other	Other	NA	No	0
Fleet New Unit Purchase EI Ops-NSPM	Other	Fleet	B	103	7,336,539	Fleet	Fleet	NA	No	0
Fleet New Unit Purchase Common-NSPM	Other	Fleet	B	103	533,475	Fleet	Fleet	NA	No	0
Transportation Blanket Elec	Other	Fleet	B	103	(5,260,237)	Fleet	Fleet	NA	No	0
Logistics-NSPM Tools	Other	Other	B	103	155,165	Other	Other	NA	No	0
Environmental Work NSPM-EL	Elec New Bus	Elec Capacity	S	103	104,032	Capacity	Capacity	Blanket	No	0
SPCC NSPM Oil Spill Prevention	Dist Subs	Sub Asset Health	S	103	1,134,706	Sub Asset Health	Sub Asset Health	NA	No	0
NSPM Communication Pole Transfers	Elec Recon	Elec Mandates	B	103	459,576	Elec Mandates	Elec Mandates	NA	No	0
HUGO (Hennepin) Training Center Tools & Eq	Other	Other	B	103	24,906	Other	Other	NA	No	0
RCSII Relay Replacement Project	Dist Subs	Sub Asset Health	S	103	537,487	Sub Asset Health	Sub Asset Health	NA	No	0
Feeder Breaker Replacement	Dist Subs	Sub Asset Health	B	103	1,897,840	Sub Asset Health	Sub Asset Health	NA	No	0
Substation Switch Replacement	Dist Subs	Sub Asset Health	S	103	211,833	Sub Asset Health	Sub Asset Health	NA	No	0
Capitalized-MN-Sales Tax Rfd - Elec	Other	Other	S	103	(5,017,837)	Other	Other	NA	No	0
Capitalized MN Sales Tax Rfd- D-Sub	Dist Subs	Sub Capacity	S	103	(861,748)	Capacity	Capacity	Other	No	0
ELR - Substation Regulator Funding - NSPM	Dist Subs	Sub Asset Health	S	103	1,614	Sub Asset Health	Sub Asset Health	NA	No	0
Substation Fence Improvement - NSPM	Dist Subs	Sub Asset Health	B	103	60,716	Sub Asset Health	Sub Asset Health	NA	No	0
Substation Transformer Replacements - NSPM	Dist Subs	Sub Asset Health	B	103	509,618	Sub Asset Health	Sub Asset Health	NA	No	0
Retire subs in MN	Dist Subs	Sub Asset Health	B	103	302,874	Sub Asset Health	Sub Asset Health	NA	No	0
NSPM Communication Equip-Dist Subs	Other	Other	B	103	416,305	Other	Other	NA	No	0

Project Title	Asset Type	Program Type	B/C	Loc	2016	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
NSPM- MN Comm Equip - Dist Lin	Other	Other	B	103	(1,052,158)	Other	Other	NA	No	0
NSPM Locating - Tools and Equipment	Other	Other	B	103	119,163	Other	Other	NA	No	0
NSPM Feeder Load Monitoring	Other	Other	S	103	132,586	Other	Other	NA	No	0
Rewind Failed Transformers	Dist Subs	Sub Asset Health	S	103	104,731	Sub Asset Health	Sub Asset Health	NA	No	0
reserve 70 MVA 115/13.8 kV transformer	Dist Subs	Sub Asset Health	S	103	1,916	Sub Asset Health	Sub Asset Health	NA	No	0
NSPM Remote Fault Indication and Load Mon	Other	Other	S	103	181,655	Other	Other	NA	No	0
NSPM Substation new RTU and FLM	Other	Other	S	103	108,371	Other	Other	NA	No	0
ELR - NSPM RTU	Dist Subs	Sub Asset Health	S	103	37,169	Sub Asset Health	Sub Asset Health	NA	No	0
NSPM-Fdr Cable Replacement Proactive	Elec Recon	Reliability	S	103	175,816	Reliability	Reliability	NA	No	0
North Dakota/MN - UG Extension	Elec New Bus	Elec New Service	B	103	(6,866)	Elec New Service	Elec New Service	NA	No	0
SD-Dist Subs Communication Equ	Other	Other	S	103	34,489	Other	Other	NA	No	0
Pole Bunkers	Other	Other	S	103	7,024	Other	Other	NA	No	0
Replace Frame Relays in NSPM	Other	Other	S	103	2,711,000	Other	Other	NA	No	0
Fiber Communication Cutover	Dist Subs	Sub Capacity	S	103	140,079	Capacity	Capacity	Other	No	0
ND Communications Equipment	Other	Other	B	103	670,540	Other	Other	NA	No	0
ND - Environmental Work NSPM-E	Elec New Bus	Elec Capacity	B	103	30,031	Capacity	Capacity	Blanket	No	0
NSM Vegetation Mgmt MDT	Other	Other	S	103	5,277	Other	Other	NA	No	0
VAR Network Devices	Other	Other	S	103	51,761	Other	Other	NA	No	0
VAR Network Devices - North Da	Other	Other	B	103	13,482	Other	Other	NA	No	0
Purchase 50 MVA reserve transformer	Dist Subs	Sub Asset Health	S	103	788,077	Sub Asset Health	Sub Asset Health	NA	No	0
7 MVA Spare	Dist Subs	Sub Asset Health	S	103	1,335	Sub Asset Health	Sub Asset Health	NA	No	0
Substation Fence Improvement -	Dist Subs	Sub Asset Health	B	103	68,286	Sub Asset Health	Sub Asset Health	NA	No	0
Frame Relay Replacement - ND	Other	Other	B	103	105,963	Other	Other	NA	No	0
Shorewood Chain Hoist	Other	Other	S	103	24,716	Other	Other	NA	No	0
Fiber Communication Cutover	Other	Other	S	103	198,644	Other	Other	NA	No	0
New 70 MVA reserve TR 115/13.8 kV	Dist Subs	Sub Asset Health	S	103	1,307,595	Sub Asset Health	Sub Asset Health	NA	No	0
Elec Dist Communications Softw	Other	Other	S	103	58,871	Other	Other	NA	No	0
SPCC ND NSPM Oil Spill Prevention	Dist Subs	Sub Asset Health	S	103	16,128	Sub Asset Health	Sub Asset Health	NA	No	0
Facility Damage Reimbursement	CIAC	CIAC	C	103	(175,786)	CIAC	CIAC	NA	No	0
Aurora Solar Sub Comm	Other	Solar	S	103	430,109	Solar	Solar	NA	No	0
Aurora Solar Sub	Dist Subs	Solar	S	103	2,634,064	Solar	Solar	NA	No	0

Project Title	Asset Type	Program Type	B/C	Loc	2016	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
Solar Garden Sub Work	Dist Subs	Solar	S	103	8,997,405	Solar	Solar	NA	No	0
Solar Garden Sub COMM	Other	Solar	S	103	352,555	Solar	Solar	NA	No	0
Aurora Solar - Business Systems Comm Rel	Other	Solar	S	103	202,481	Solar	Solar	NA	No	0
Solar Garden Communication Line Equip	Other	Solar	S	103	416,765	Solar	Solar	NA	No	0
Purchase Reserve TR 14 MVA 69-13.8 KV	Dist Subs	Sub Asset Health	S	103	635	Sub Asset Health	Sub Asset Health	NA	No	0
MN Capital Pole Inspections	Elec Recon	Elec Asset Health	S	103	95,654	Elec Asset Health	Elec Asset Health	NA	No	0
Capitalized Locating Cost-Elec-MN	Other	Other	B	103	2,509	Other	Other	NA	No	0
MN-Sub Capac Reinforcement	Dist Subs	Sub Capacity	B	114	2,323,379	Capacity	Capacity	Blanket	No	0
MN Major Storm Recovery Blanket	Elec Recon	Elec Asset Health	B	114	179,186	Elec Asset Health	Elec Asset Health	NA	No	0
Clring wo's for credits for CR	CIAC	CIAC	C	114	1,034,769	CIAC	CIAC	NA	No	0
Minnesota inspect/replace poles	Elec Recon	Elec Asset Health	S	114	6,554,500	Elec Asset Health	Elec Asset Health	NA	No	0
Substation Land and ROW - MN	Dist Subs	Sub Capacity	B	114	(54,731)	Capacity	Capacity	Blanket	No	0
Intelliteam SG RTU Rollout	Other	Other	S	114	103,353	Other	Other	NA	No	0
South Dakota/MN - UG Extension-CANCELLED	Elec New Bus	Elec New Service	B	114	(13,490)	Elec New Service	Elec New Service	NA	No	0
NSPM - Building Equipment	Other	Other	S	114	12,416	Other	Other	NA	No	0
MN LED Streetlight Program	Elec New Bus	Street Lights	S	114	4,604,306	Street Lights	Street Lights	NA	No	0
MN Major Storm Recovery	Elec Recon	Elec Asset Health	S	114	19,464,179	Elec Asset Health	Elec Asset Health	NA	No	0
Oct MN ELEC MIXED WORK ADJUSTMENT	Other	Other	B	114	6,450,994	Other	Other	NA	No	0
ND Subs Equipment Replacement	Dist Subs	Sub Asset Health	S	117	376,805	Sub Asset Health	Sub Asset Health	NA	No	0
Land for Turkey Ridge Radio Tower	Other	Other	S	118	22,334	Other	Other	NA	No	0
Mpls-New UG Extension	Elec New Bus	Elec New Service	B	141	1,927,601	Elec New Service	Elec New Service	NA	No	0
Mpls-Ug Conversion/Rebuild	Elec Recon	Elec Asset Health	B	141	1,260,398	Elec Asset Health	Elec Asset Health	NA	No	0
Mpls-Electric Tools & Equip	Other	Other	B	141	78,180	Other	Other	NA	No	0
Mpls-OH Extension	Elec New Bus	Elec New Service	B	141	105,559	Elec New Service	Elec New Service	NA	No	0
Mpls-OH Services	Elec New Bus	Elec New Service	B	141	461,619	Elec New Service	Elec New Service	NA	No	0
Mpls-New UG Services	Elec New Bus	Elec New Service	B	141	835,975	Elec New Service	Elec New Service	NA	No	0
Mpls-New UG Network	Elec New Bus	Elec Capacity	B	141	944,666	Capacity	Capacity	Blanket	No	0
Mpls-New OH Street Lights	Elec New Bus	Street Lights	B	141	430,595	Street Lights	Street Lights	NA	No	0
Mpls-New UG Street Lights	Elec New Bus	Street Lights	B	141	252,842	Street Lights	Street Lights	NA	No	0
Mpls-New Const. CIAC	CIAC	CIAC	C	141	(2,629,488)	CIAC	CIAC	NA	No	0
Mpls-Oh Rebuilds	Elec Recon	Elec Asset Health	B	141	1,149,938	Elec Asset Health	Elec Asset Health	NA	No	0

Project Title	Asset Type	Program Type	B/C	Loc	2016	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
Mpls-OH Reinforcements	Elec New Bus	Elec Capacity	B	141	166,054	Capacity	Capacity	Blanket	No	0
Mpls-UG Reinforcement	Elec New Bus	Elec Capacity	B	141	(25,018)	Capacity	Capacity	Blanket	No	0
Mpls-Oh Relocations	Elec Recon	Elec Mandates	B	141	572,890	Elec Mandates	Elec Mandates	NA	No	0
Mpls-UG Relocations	Elec Recon	Elec Mandates	B	141	290,991	Elec Mandates	Elec Mandates	NA	No	0
Mpls-UG Service Conv	Elec Recon	Elec Mandates	B	141	216,723	Elec Mandates	Elec Mandates	NA	No	0
MPLS Network Protectors	Elec Recon	Elec Asset Health	B	141	667,093	Elec Asset Health	Elec Asset Health	NA	No	0
MN Vault Top Replacements	Elec Recon	Elec Asset Health	B	141	165,192	Elec Asset Health	Elec Asset Health	NA	No	0
Inst 13.8kV Hiawatha #1 50MVA	Dist Subs	Sub Capacity	S	141	348	Capacity	Capacity	Capacity	Yes	0
Install 13.8kV Oakland #1 50MVA	Dist Subs	Sub Capacity	S	141	3,847	Capacity	Capacity	Capacity	Yes	0
Reliability Monitoring System (REMS)	Elec Recon	Reliability	S	141	90,508	Reliability	Reliability	NA	No	0
Indiana-IDA064 UG Feeder	Elec New Bus	Elec Capacity	S	141	11,957	Capacity	Capacity	Capacity	Yes	0
Mpls-Electric Trouble Tools & Equip	Other	Other	B	141	(128,385)	Other	Other	NA	No	0
Install Fifth Street switchgear	Dist Subs	Sub Asset Health	S	141	96,389	Sub Asset Health	Sub Asset Health	NA	No	0
LaSalle Paving Project	Elec Recon	Elec Mandates	S	141	313,745	Elec Mandates	Elec Mandates	NA	No	0
OH-UG Cnty 9 - France to Hwy 81	Elec Recon	Elec Mandates	S	141	242,478	Elec Mandates	Elec Mandates	NA	No	0
New ELP feeder	Elec New Bus	Elec Capacity	S	141	31,192	Capacity	Capacity	Customer Driven	No	11.9
New ELP feeder bay	Dist Subs	Sub Capacity	S	141	406,643	Capacity	Capacity	Customer Driven	No	ELP above
Customer Redacted	Dist Subs	Sub Capacity	S	141	54,827	Capacity	Capacity	Customer Driven	No	59.7
Customer Redacted	Elec New Bus	Elec Capacity	S	141	2,013	Capacity	Capacity	Customer Driven	No	0
Customer Redacted	Elec New Bus	Elec Capacity	S	141	13,382	Capacity	Capacity	Customer Driven	No	0
500 and 600 4th St S Extension to Wells Fargo	Elec New Bus	Elec New Service	S	141	(277,212)	Elec New Service	Elec New Service	NA	No	0
SLP Reroute	Elec Recon	Elec Mandates	S	141	372	Elec Mandates	Elec Mandates	NA	No	0
700 4th St S Extension MSFA	Elec New Bus	Elec New Service	S	141	462	Elec New Service	Elec New Service	NA	No	0
900 5th St S FST087 - FST077 Extension	Elec New Bus	Elec New Service	S	141	151,552	Elec New Service	Elec New Service	NA	No	0
Douglas Dr OH-UG Conversion	Elec Recon	Elec Mandates	S	141	1,218,429	Elec Mandates	Elec Mandates	NA	No	0
Apache TR 1 Emergency Replacem	Dist Subs	Sub Asset Health	S	141	42,451	Sub Asset Health	Sub Asset Health	NA	No	0
Solar Garden Ext - Mpls	Elec New Bus	Solar	S	141	4,567	Solar	Solar	NA	No	0
Add LTC Control at 5th St. Sub	Dist Subs	Sub Capacity	S	141	466,330	Capacity	Asset Health	Asset Health	No	0
Nicollet Mall Street Scape	Elec Recon	Elec Mandates	S	141	14,682,021	Elec Mandates	Elec Mandates	NA	No	0
Block 69-75 Feeder Extensions	Elec New Bus	Elec New Service	S	141	1,756,897	Elec New Service	Elec New Service	NA	No	0
Customer Redacted	Elec New Bus	Elec Capacity	S	141	326,510	Capacity	Capacity	Customer Driven	No	0

Project Title	Asset Type	Program Type	B/C	Loc	2016	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
Customer Redacted	Elec New Bus	Elec Capacity	S	141	199,998	Capacity	Capacity	Customer Driven	No	0
Mpls UG Network	Elec Recon	Elec Asset Health	B	141	448,746	Elec Asset Health	Elec Asset Health	NA	No	0
Washington Ave Relocation - Hennipin to 5th	Elec Recon	Elec Mandates	S	141	3,103,615	Elec Mandates	Elec Mandates	NA	No	0
Customer Redacted	Elec New Bus	Elec Capacity	S	141	227,917	Capacity	Capacity	Customer Driven	No	0
Customer Redacted	Elec New Bus	Elec Capacity	S	141	947,218	Capacity	Capacity	Customer Driven	No	0
Chicago - Washington Relocation	Elec Recon	Elec Asset Health	S	141	523,522	Elec Asset Health	Elec Asset Health	NA	No	0
Mntka- New UG Extension	Elec New Bus	Elec New Service	B	142	840,766	Elec New Service	Elec New Service	NA	No	0
Mntka-Oh Rebuilds	Elec Recon	Elec Asset Health	B	142	634,621	Elec Asset Health	Elec Asset Health	NA	No	0
Mntka-Elec Tools/Equip	Other	Other	B	142	6,777	Other	Other	NA	No	0
Mntka-OH Extension	Elec New Bus	Elec New Service	B	142	117,017	Elec New Service	Elec New Service	NA	No	0
Mntka-OH Services	Elec New Bus	Elec New Service	B	142	23,970	Elec New Service	Elec New Service	NA	No	0
Mntka-New UG Services	Elec New Bus	Elec New Service	B	142	808,069	Elec New Service	Elec New Service	NA	No	0
Mntka-New OH Street Lights	Elec New Bus	Street Lights	B	142	43,267	Street Lights	Street Lights	NA	No	0
Mntka-New UG Street Lights	Elec New Bus	Street Lights	B	142	144,950	Street Lights	Street Lights	NA	No	0
Mntka-Electric New Const CIAC	CIAC	CIAC	C	142	(151,287)	CIAC	CIAC	NA	No	0
Mntka-Ug Conversion/Rebuild	Elec Recon	Elec Asset Health	B	142	382,196	Elec Asset Health	Elec Asset Health	NA	No	0
Mntka-OH Reinforcements	Elec New Bus	Elec Capacity	B	142	60,729	Capacity	Capacity	Blanket	No	0
Mntka-UG Reinforcements	Elec New Bus	Elec Capacity	B	142	52,419	Capacity	Capacity	Blanket	No	0
Mntka-Oh Relocations	Elec Recon	Elec Mandates	B	142	155,401	Elec Mandates	Elec Mandates	NA	No	0
Mntka-Ug Relocations	Elec Recon	Elec Mandates	B	142	50,689	Elec Mandates	Elec Mandates	NA	No	0
Mntka-UG Service Conv	Elec Recon	Elec Mandates	B	142	72,598	Elec Mandates	Elec Mandates	NA	No	0
Reliability Monitoring System (REMS)	Elec Recon	Reliability	S	142	61,398	Reliability	Reliability	NA	No	0
SSI: Install Waconia TR2 and fdrs	Dist Subs	Sub Capacity	S	142	15,760	Capacity	Capacity	Capacity	Yes	0
Install new sub Lake Bavaria	Dist Subs	Sub Capacity	S	142	4,681,163	Capacity	Capacity	Capacity	Yes	LAB below
Install feeder at new Hazeltine sub	Elec New Bus	Elec Capacity	S	142	2,852,482	Capacity	Capacity	Capacity	Yes	69.6
T: Rebuild head end of WSG362 3.6mi	Elec Recon	Elec Mandates	S	142	120,718	Elec Mandates	Elec Mandates	NA	No	0
Woodland Cove JT Development, Minnetrista, MN	Elec New Bus	Elec New Service	S	142	50,883	Elec New Service	Elec New Service	NA	No	0
County Road 101 OH-UG	Elec Recon	Elec Mandates	S	142	189,823	Elec Mandates	Elec Mandates	NA	No	0
T: DCP spend for TAM work at BLC	Dist Subs	Sub Capacity	S	142	321,076	Capacity	Capacity	Transmission Driven	No	0
Land for Lake Bavaria Sub	Dist Subs	Sub Capacity	S	142	1,433	Capacity	Capacity	Capacity	Yes	LAB above
Solar Garden Ext - Edina	Elec New Bus	Solar	S	142	115,208	Solar	Solar	NA	No	0

Project Title	Asset Type	Program Type	B/C	Loc	2016	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
Solar Garden Ext - Shorewood	Elec New Bus	Solar	S	142	754,181	Solar	Solar	NA	No	0
T: Relocate BLC UG Feeder Exits	Elec Recon	Elec Mandates	S	142	1,144	Elec Mandates	Elec Mandates	NA	No	0
BUDG-Install 2nd feeder bay at Plat	Dist Subs	Sub Capacity	S	142	63,072	Capacity	Capacity	Customer Driven	No	0
OH-UG Minnetonka Hwy 101 and Excelsior	Elec Recon	Elec Mandates	S	142	19,840	Elec Mandates	Elec Mandates	NA	No	0
Aurora Solar Project Mtnka	Elec New Bus	Solar	S	142	357,719	Solar	Solar	NA	No	0
Edina-UG Extensions	Elec New Bus	Elec New Service	B	143	751,791	Elec New Service	Elec New Service	NA	No	0
Edina-Oh Rebuilds	Elec Recon	Elec Asset Health	B	143	832,481	Elec Asset Health	Elec Asset Health	NA	No	0
Edina-Elect Tool/Equip	Other	Other	B	143	10,458	Other	Other	NA	No	0
Edina-OH Extension	Elec New Bus	Elec New Service	B	143	39,719	Elec New Service	Elec New Service	NA	No	0
Edina-New OH Services	Elec New Bus	Elec New Service	B	143	60,657	Elec New Service	Elec New Service	NA	No	0
Edina-UG Services	Elec New Bus	Elec New Service	B	143	209,625	Elec New Service	Elec New Service	NA	No	0
Edina-New OH Street Lights	Elec New Bus	Street Lights	B	143	52,172	Street Lights	Street Lights	NA	No	0
Edina-New UG Street Lights	Elec New Bus	Street Lights	B	143	462,347	Street Lights	Street Lights	NA	No	0
Edina-Electric New Const CIAC	CIAC	CIAC	C	143	(379,290)	CIAC	CIAC	NA	No	0
Edina-Ug Conversions/Rebuild	Elec Recon	Elec Asset Health	B	143	1,450,890	Elec Asset Health	Elec Asset Health	NA	No	0
Edina-OH Reinforcements	Elec New Bus	Elec Capacity	B	143	6,813	Capacity	Capacity	Blanket	No	0
Edina-UG Reinforcements	Elec New Bus	Elec Capacity	B	143	22,069	Capacity	Capacity	Blanket	No	0
Edina-Oh Relocations	Elec Recon	Elec Mandates	B	143	538,997	Elec Mandates	Elec Mandates	NA	No	0
Edina-Ug Relocations	Elec Recon	Elec Mandates	B	143	213,783	Elec Mandates	Elec Mandates	NA	No	0
Edina-UG Service Conv	Elec Recon	Elec Mandates	B	143	44,463	Elec Mandates	Elec Mandates	NA	No	0
Reliability Monitoring System (REMS)	Elec Recon	Reliability	S	143	224,071	Reliability	Reliability	NA	No	0
Shady Oak OH to UG Conversion	Elec Recon	Elec Mandates	S	143	9,043	Elec Mandates	Elec Mandates	NA	No	0
City of Richfield OH-UG	Elec Recon	Elec Mandates	S	143	997	Elec Mandates	Elec Mandates	NA	No	0
Normandale Blvd - Relocate UG facilities for r	Elec Recon	Elec Mandates	S	143	395,791	Elec Mandates	Elec Mandates	NA	No	0
Southeast-OH Extension	Elec New Bus	Elec New Service	B	144	1,222,288	Elec New Service	Elec New Service	NA	No	0
Southeast-OH Services	Elec New Bus	Elec New Service	B	144	228,558	Elec New Service	Elec New Service	NA	No	0
Southeast-UG Services	Elec New Bus	Elec New Service	B	144	835,680	Elec New Service	Elec New Service	NA	No	0
Southeast-OH Streetlights	Elec New Bus	Street Lights	B	144	284,088	Street Lights	Street Lights	NA	No	0
Southeast Underground St Light	Elec New Bus	Street Lights	B	144	178,433	Street Lights	Street Lights	NA	No	0
Southeast-Elec NB CIAC	CIAC	CIAC	C	144	(106,705)	CIAC	CIAC	NA	No	0
Southeast-Oh Rebuilds	Elec Recon	Elec Asset Health	B	144	1,613,100	Elec Asset Health	Elec Asset Health	NA	No	0

Project Title	Asset Type	Program Type	B/C	Loc	2016	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
Southeast-Ug Conv/Rebuilds	Elec Recon	Elec Asset Health	B	144	452,867	Elec Asset Health	Elec Asset Health	NA	No	0
Southeast-OH Reinforcements	Elec New Bus	Elec Capacity	B	144	356,724	Capacity	Capacity	Blanket	No	0
Southeast-UG Reinforcements	Elec New Bus	Elec Capacity	B	144	44,330	Capacity	Capacity	Blanket	No	0
Southeast-Oh Relocations	Elec Recon	Elec Mandates	B	144	772,040	Elec Mandates	Elec Mandates	NA	No	0
Southeast-Ug Relocations	Elec Recon	Elec Mandates	B	144	203,569	Elec Mandates	Elec Mandates	NA	No	0
Southeast-Elec Tools & Equip	Other	Other	B	144	45,285	Other	Other	NA	No	0
Southeast-UG Extensions	Elec New Bus	Elec New Service	B	144	947,585	Elec New Service	Elec New Service	NA	No	0
Southeast-UG Service Conv	Elec Recon	Elec Mandates	B	144	111,520	Elec Mandates	Elec Mandates	NA	No	0
Reliability Monitoring System (REMS)	Elec Recon	Reliability	S	144	56,514	Reliability	Reliability	NA	No	0
Install Cap Bank at Crystal Foods	Dist Subs	Sub Capacity	S	144	239	Capacity	Capacity	Transmission Driven	No	0
Add 28MVA WASTR3 and 1 fdr	Dist Subs	Sub Capacity	S	144	1,033	Capacity	Capacity	Capacity	Yes	0
Reinforce Lake Emily TR1 to 14MVA	Dist Subs	Sub Capacity	S	144	11	Capacity	Capacity	Customer Driven	No	0
Dresbach I-90 Re-Route 3 Mi OH	Elec Recon	Elec Mandates	S	144	77,549	Elec Mandates	Elec Mandates	NA	No	0
Morton County Road 2 Relocation	Elec Recon	Elec Mandates	S	144	2,597	Elec Mandates	Elec Mandates	NA	No	0
Reinforce Sibley Park Feeder Exits	Elec New Bus	Elec Capacity	S	144	4	Capacity	Capacity	Capacity	Yes	0
Install Eastwood 081 and 082	Elec New Bus	Elec Capacity	S	144	1,170,018	Capacity	Capacity	Capacity	Yes	26.3
Add 50MVA Eastwood TR3 and feeders	Dist Subs	Sub Capacity	S	144	1,538,685	Capacity	Capacity	Capacity	Yes	ESW above
Replace Jordan Subs Aging Equi	Dist Subs	Sub Asset Health	S	144	54,149	Sub Asset Health	Sub Asset Health	NA	No	0
CAPX 2020 OH-UG in Zumbrota	Elec Recon	Elec Mandates	S	144	(7)	Elec Mandates	Elec Mandates	NA	No	0
Solar Garden Extensions - SE	Elec New Bus	Solar	S	144	(12,402,871)	Solar	Solar	NA	No	0
Winona Hwy 43 Bridge Ductline Re-route	Elec Recon	Elec Mandates	S	144	28	Elec Mandates	Elec Mandates	NA	No	0
Mankato Downtown Civic Center Project	Elec Recon	Elec Mandates	S	144	4,164	Elec Mandates	Elec Mandates	NA	No	0
Madison Ave Manholes Mankato	Elec Recon	Elec Mandates	S	144	93,661	Elec Mandates	Elec Mandates	NA	No	0
Aurora Solar Project SE	Elec New Bus	Solar	S	144	(97,286)	Solar	Solar	NA	No	0
Maple Grv-Elec UG Extension	Elec New Bus	Elec New Service	B	147	1,742,158	Elec New Service	Elec New Service	NA	No	0
Maple Grv-Oh Rebuilds	Elec Recon	Elec Asset Health	B	147	507,272	Elec Asset Health	Elec Asset Health	NA	No	0
Maple Grv-Electric Tools & Equip	Other	Other	B	147	68,712	Other	Other	NA	No	0
Maple Grv-New OH Street Lights	Elec New Bus	Street Lights	B	147	52,730	Street Lights	Street Lights	NA	No	0
Maple Grv-OH Extension	Elec New Bus	Elec New Service	B	147	13,096	Elec New Service	Elec New Service	NA	No	0
Maple Grv-OH Services	Elec New Bus	Elec New Service	B	147	27,481	Elec New Service	Elec New Service	NA	No	0
Maple Grv-New Elec Ug Services	Elec New Bus	Elec New Service	B	147	530,866	Elec New Service	Elec New Service	NA	No	0

Project Title	Asset Type	Program Type	B/C	Loc	2016	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
Maple Grv-New UG Street Lights	Elec New Bus	Street Lights	B	147	321,044	Street Lights	Street Lights	NA	No	0
Maple Grv-Electric New Const CIAC	CIAC	CIAC	C	147	(113,155)	CIAC	CIAC	NA	No	0
Maple Grv-UG Conversion/Rebuild	Elec Recon	Elec Asset Health	B	147	1,135,644	Elec Asset Health	Elec Asset Health	NA	No	0
Maple Grv-OH Reinforcements	Elec New Bus	Elec Capacity	B	147	22,252	Capacity	Capacity	Blanket	No	0
Maple Grv-UG Reinforcements	Elec New Bus	Elec Capacity	B	147	114,140	Capacity	Capacity	Blanket	No	0
Maple Grv-Oh Relocations	Elec Recon	Elec Mandates	B	147	146,350	Elec Mandates	Elec Mandates	NA	No	0
Maple Grv-Ug Relocations	Elec Recon	Elec Mandates	B	147	65,690	Elec Mandates	Elec Mandates	NA	No	0
Maple Grv-UG Service Conv	Elec Recon	Elec Mandates	B	147	28,420	Elec Mandates	Elec Mandates	NA	No	0
Reinf 13.8kV BCR #1 50MVA	Dist Subs	Sub Capacity	S	147	5,095	Capacity	Capacity	Capacity	Yes	0
Convert Hollydale Sub to 115kV	Dist Subs	Sub Capacity	S	147	4,014	Capacity	Capacity	Transmission Driven	No	0
Reliability Monitoring System (REMS): Maple	Elec Recon	Reliability	S	147	51,384	Reliability	Reliability	NA	No	0
Install tie for BRP063	Elec New Bus	Elec Capacity	S	147	114,780	Capacity	Capacity	Capacity	Yes	0
Reconfigure ties for TWL079	Elec New Bus	Elec Capacity	S	147	301,034	Capacity	Capacity	Capacity	Yes	3.9
Reconfigure ties on TWL feeders	Elec New Bus	Elec Capacity	S	147	475,018	Capacity	Capacity	Capacity	Yes	9.2
Replace failed PKL TR3	Dist Subs	Sub Asset Health	S	147	4	Sub Asset Health	Sub Asset Health	NA	No	0
Hwy 610 UG Feeder Relocation	Elec Recon	Elec Mandates	S	147	18,818	Elec Mandates	Elec Mandates	NA	No	0
Convert OH to UG Vicksburg	Elec Recon	Elec Mandates	S	147	(125,422)	Elec Mandates	Elec Mandates	NA	No	0
Extend IDA064 to relieve TWL064	Elec New Bus	Elec Capacity	S	147	391,292	Capacity	Capacity	Capacity	Yes	0
Newport-Elec Tool/Equip	Other	Other	B	150	26,170	Other	Other	NA	No	0
Newport-OH Extension	Elec New Bus	Elec New Service	B	150	40,301	Elec New Service	Elec New Service	NA	No	0
Newport-OH Services	Elec New Bus	Elec New Service	B	150	48,145	Elec New Service	Elec New Service	NA	No	0
Newport-UG Services	Elec New Bus	Elec New Service	B	150	947,317	Elec New Service	Elec New Service	NA	No	0
Newport-OH Streetlights	Elec New Bus	Street Lights	B	150	88,045	Street Lights	Street Lights	NA	No	0
Newport-UG Streetlights	Elec New Bus	Street Lights	B	150	337,921	Street Lights	Street Lights	NA	No	0
Newport-Elec NB CIAC	CIAC	CIAC	C	150	(285,960)	CIAC	CIAC	NA	No	0
Newport-Oh Rebuilds	Elec Recon	Elec Asset Health	B	150	891,443	Elec Asset Health	Elec Asset Health	NA	No	0
Newport-Ug Conversions/Rebuild	Elec Recon	Elec Asset Health	B	150	567,705	Elec Asset Health	Elec Asset Health	NA	No	0
Newport-OH Reinforcements	Elec New Bus	Elec Capacity	B	150	91,016	Capacity	Capacity	Blanket	No	0
Newport-UG Reinforcements	Elec New Bus	Elec Capacity	B	150	(21,216)	Capacity	Capacity	Blanket	No	0
Newport-Oh Relocations	Elec Recon	Elec Mandates	B	150	428,861	Elec Mandates	Elec Mandates	NA	No	0
Newport-Ug Relocations	Elec Recon	Elec Mandates	B	150	136,266	Elec Mandates	Elec Mandates	NA	No	0

Project Title	Asset Type	Program Type	B/C	Loc	2016	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
Newport-UG Extensions	Elec New Bus	Elec New Service	B	150	1,937,722	Elec New Service	Elec New Service	NA	No	0
Newport-UG Service Conv	Elec Recon	Elec Mandates	B	150	34,107	Elec Mandates	Elec Mandates	NA	No	0
Reliability Monitoring System (REMS)	Elec Recon	Reliability	S	150	17,519	Reliability	Reliability	NA	No	0
Install new RRK TR3 Feeder	Elec New Bus	Elec Capacity	S	150	72,566	Capacity	Capacity	Capacity	Yes	0
Install Vermillion River feeder VMR063	Elec New Bus	Elec Capacity	S	150	(512)	Capacity	Capacity	Capacity	Yes	0
Solar Garden Ext Newport	Elec New Bus	Solar	S	150	2,653,371	Solar	Solar	NA	No	0
Robert Street Relocation W St Paul	Elec Recon	Elec Mandates	S	150	428,025	Elec Mandates	Elec Mandates	NA	No	0
Aurora Solar Project NPT	Elec New Bus	Solar	S	150	193,277	Solar	Solar	NA	No	0
St Paul-OH Extension	Elec New Bus	Elec New Service	B	151	211,029	Elec New Service	Elec New Service	NA	No	0
St Paul-OH Services	Elec New Bus	Elec New Service	B	151	400,159	Elec New Service	Elec New Service	NA	No	0
St Paul-UG Services	Elec New Bus	Elec New Service	B	151	112,768	Elec New Service	Elec New Service	NA	No	0
St Paul-UG Network	Elec New Bus	Elec Capacity	B	151	220,886	Capacity	Capacity	Blanket	No	0
St Paul-OH Streetlights	Elec New Bus	Street Lights	B	151	80,947	Street Lights	Street Lights	NA	No	0
St Paul-UG Street Lights	Elec New Bus	Street Lights	B	151	24,883	Street Lights	Street Lights	NA	No	0
St Paul-Elec NB CIAC	CIAC	CIAC	C	151	(593,834)	CIAC	CIAC	NA	No	0
St Paul-Oh Rebuilds	Elec Recon	Elec Asset Health	B	151	849,204	Elec Asset Health	Elec Asset Health	NA	No	0
St Paul-Ug Conversions/Rebuild	Elec Recon	Elec Asset Health	B	151	616,406	Elec Asset Health	Elec Asset Health	NA	No	0
St Paul-OH Reinforcements	Elec New Bus	Elec Capacity	B	151	133,632	Capacity	Capacity	Blanket	No	0
St Paul-UG Reinforcements	Elec New Bus	Elec Capacity	B	151	90,488	Capacity	Capacity	Blanket	No	0
St Paul-Oh Relocations	Elec Recon	Elec Mandates	B	151	877,760	Elec Mandates	Elec Mandates	NA	No	0
St Paul-Ug Relocations	Elec Recon	Elec Mandates	B	151	286,538	Elec Mandates	Elec Mandates	NA	No	0
St Paul-Elec Tools & Equip	Other	Other	B	151	13,478	Other	Other	NA	No	0
St Paul-UG Extensions	Elec New Bus	Elec New Service	B	151	358,220	Elec New Service	Elec New Service	NA	No	0
St Paul-UG Service Conv	Elec Recon	Elec Mandates	B	151	90,813	Elec Mandates	Elec Mandates	NA	No	0
Reliability Monitoring System (REMS): MN	Elec Recon	Reliability	S	151	24,232	Reliability	Reliability	NA	No	0
Install DBL082 OH feeder	Elec New Bus	Elec Capacity	S	151	7,545	Capacity	Capacity	Capacity	Yes	0
St Paul-Elec Trouble Tools & Equip	Other	Other	B	151	346,190	Other	Other	NA	No	0
35E Relocation35E Relocation	Elec Recon	Elec Mandates	S	151	29,272	Elec Mandates	Elec Mandates	NA	No	0
SSI: Convert St Clair 4kV to 13.8kV	Elec Recon	Elec Asset Health	S	151	840,680	Elec Asset Health	Elec Asset Health	NA	No	0
Extend DBL074 and Reconfigure	Elec New Bus	Elec Capacity	S	151	377	Capacity	Capacity	Capacity	Yes	0
Replace Network Protectors - STP	Elec Recon	Elec Asset Health	B	151	57,148	Elec Asset Health	Elec Asset Health	NA	No	0

Project Title	Asset Type	Program Type	B/C	Loc	2016	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
STP Vault Top Replacement	Elec Recon	Elec Asset Health	B	151	86	Elec Asset Health	Elec Asset Health	NA	No	0
Jackson St Rebuild	Elec Recon	Elec Asset Health	S	151	6,407,862	Elec Asset Health	Elec Asset Health	NA	No	0
St. Paul UG Network	Elec Recon	Elec Asset Health	B	151	220,646	Elec Asset Health	Elec Asset Health	NA	No	0
MLS stadium OH/UG Relocation	Elec Recon	Elec Asset Health	S	151	245,358	Elec Asset Health	Elec Asset Health	NA	No	0
Northwest-UG Extensions	Elec New Bus	Elec New Service	B	154	1,309,363	Elec New Service	Elec New Service	NA	No	0
Northwest-OH Rebuilds	Elec Recon	Elec Asset Health	B	154	337,041	Elec Asset Health	Elec Asset Health	NA	No	0
Northwest-Elec Tools/Equip	Other	Other	B	154	117,984	Other	Other	NA	No	0
Northwest-New OH Street Lights	Elec New Bus	Street Lights	B	154	120,247	Street Lights	Street Lights	NA	No	0
Northwest-New OH Extensions	Elec New Bus	Elec New Service	B	154	369,478	Elec New Service	Elec New Service	NA	No	0
Northwest-New OH Services	Elec New Bus	Elec New Service	B	154	70,135	Elec New Service	Elec New Service	NA	No	0
Northwest-New UG Services	Elec New Bus	Elec New Service	B	154	763,292	Elec New Service	Elec New Service	NA	No	0
Northwest-New UG Street Lights	Elec New Bus	Street Lights	B	154	(20,980)	Street Lights	Street Lights	NA	No	0
Northwest-New Elec Const CIAC	CIAC	CIAC	C	154	(195,266)	CIAC	CIAC	NA	No	0
Northwest-UG Conversion/Rebuild	Elec Recon	Elec Asset Health	B	154	157,545	Elec Asset Health	Elec Asset Health	NA	No	0
Northwest-OH Reinforcements	Elec New Bus	Elec Capacity	B	154	185,066	Capacity	Capacity	Blanket	No	0
Northwest-UG Reinforcement	Elec New Bus	Elec Capacity	B	154	1,066	Capacity	Capacity	Blanket	No	0
Northwest-Oh Relocations	Elec Recon	Elec Mandates	B	154	700,449	Elec Mandates	Elec Mandates	NA	No	0
Northwest-Ug Relocations	Elec Recon	Elec Mandates	B	154	112,546	Elec Mandates	Elec Mandates	NA	No	0
Northwest-UG Service Conv	Elec Recon	Elec Mandates	B	154	35,265	Elec Mandates	Elec Mandates	NA	No	0
Reliability Monitoring System (REMS): St Clou	Elec Recon	Reliability	S	154	5,791	Reliability	Reliability	NA	No	0
New First Lake sub	Dist Subs	Sub Capacity	S	154	348,784	Capacity	Capacity	Capacity	Yes	0
Upgrade Freeport sub to 12.5kV	Dist Subs	Sub Capacity	S	154	159	Capacity	Asset Health	Asset Health	No	0
New First Lake feeder FSL311	Elec New Bus	Elec Capacity	S	154	21,164	Capacity	Capacity	Capacity	Yes	0
Land for new First Lake Sub	Dist Subs	Sub Capacity	S	154	110	Capacity	Capacity	Capacity	Yes	0
Instl second bank Fiesta City	Dist Subs	Sub Capacity	S	154	2,004,092	Capacity	Capacity	Capacity	Yes	16.2
T: Annandale Town Rebuild	Elec Recon	Elec Mandates	S	154	111,012	Elec Mandates	Elec Mandates	NA	No	0
Sauk Rapids overhead to underground	Elec Recon	Elec Asset Health	S	154	(22,329)	Elec Asset Health	Elec Asset Health	NA	No	0
Replace TR4 due to failure	Dist Subs	Sub Asset Health	S	154	2	Sub Asset Health	Sub Asset Health	NA	No	0
Remove and Retire Empire Park substation	Elec New Bus	Elec Capacity	S	154	13,464	Capacity	Asset Health	Asset Health	No	0
Solar Garden Ext - NW	Elec New Bus	Solar	S	154	2,825,738	Solar	Solar	NA	No	0
Install new feeder MNI073	Dist Subs	Sub Capacity	S	154	65	Capacity	Capacity	Customer Driven	No	0

Project Title	Asset Type	Program Type	B/C	Loc	2016	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
Aurora Solar Project NW	Elec New Bus	Solar	S	154	195,751	Solar	Solar	NA	No	0
Freeport to Black Oak Rebuild	Elec Recon	Elec Asset Health	S	154	257,960	Elec Asset Health	Elec Asset Health	NA	No	0
2nd St N Relocation Project	Elec Recon	Elec Mandates	S	154	519,297	Elec Mandates	Elec Mandates	NA	No	0
Install new feeder at RAM	Elec New Bus	Elec Capacity	S	156	(1,413)	Capacity	Capacity	Capacity	Yes	0
White Bear-OH Extension	Elec New Bus	Elec New Service	B	156	174,847	Elec New Service	Elec New Service	NA	No	0
White Bear-OH Services	Elec New Bus	Elec New Service	B	156	97,557	Elec New Service	Elec New Service	NA	No	0
White Bear-UG Services	Elec New Bus	Elec New Service	B	156	1,637,500	Elec New Service	Elec New Service	NA	No	0
White Bear-OH Street Lights	Elec New Bus	Street Lights	B	156	54,679	Street Lights	Street Lights	NA	No	0
White Bear-UG Street Lts	Elec New Bus	Street Lights	B	156	511,663	Street Lights	Street Lights	NA	No	0
White Bear-Electric New Consts CIAC	CIAC	CIAC	C	156	(668,703)	CIAC	CIAC	NA	No	0
White Bear-Oh Rebuilds	Elec Recon	Elec Asset Health	B	156	637,910	Elec Asset Health	Elec Asset Health	NA	No	0
White Bear-Ug Conv/Rebuilds	Elec Recon	Elec Asset Health	B	156	424,931	Elec Asset Health	Elec Asset Health	NA	No	0
White Bear-OH Reinforcements	Elec New Bus	Elec Capacity	B	156	122,378	Capacity	Capacity	Blanket	No	0
White Bear-UG Reinforcements	Elec New Bus	Elec Capacity	B	156	35,870	Capacity	Capacity	Blanket	No	0
White Bear-Ug Relocations	Elec Recon	Elec Mandates	B	156	68,579	Elec Mandates	Elec Mandates	NA	No	0
White Bear-Electric Tools & Eq	Other	Other	B	156	17,440	Other	Other	NA	No	0
White Bear-UG Extensions	Elec New Bus	Elec New Service	B	156	2,541,607	Elec New Service	Elec New Service	NA	No	0
White Bear-OH Relocations	Elec Recon	Elec Mandates	B	156	1,721,310	Elec Mandates	Elec Mandates	NA	No	0
White Bear-UG Service Conv	Elec Recon	Elec Mandates	B	156	84,144	Elec Mandates	Elec Mandates	NA	No	0
Reliability Monitoring System (REMS)	Elec Recon	Reliability	S	156	105,929	Reliability	Reliability	NA	No	0
Install new feeder at RAM	Dist Subs	Sub Capacity	S	156	5,433	Capacity	Capacity	Capacity	Yes	0
St Croix River Bridge	Elec Recon	Elec Mandates	S	156	(3,813)	Elec Mandates	Elec Mandates	NA	No	0
Install #2 28 MVA 115/13.8kV at Baytown	Dist Subs	Sub Capacity	S	156	1,897,031	Capacity	Capacity	Capacity	Yes	0
Inst BYT#2 28 MVA OH Fdrs	Elec New Bus	Elec Capacity	S	156	17,006	Capacity	Capacity	Capacity	Yes	0
OAD075 OH-UG 10th St. 694 to Hadley. City	Elec Recon	Elec Mandates	S	156	(273,345)	Elec Mandates	Elec Mandates	NA	No	0
LEX61/71/73 Road Recon	Elec Recon	Elec Mandates	S	156	465,240	Elec Mandates	Elec Mandates	NA	No	0
OAD071 Frost Ave Maplewood	Elec Recon	Elec Mandates	S	156	(3)	Elec Mandates	Elec Mandates	NA	No	0
Solar Garden Ext - WBL	Elec New Bus	Solar	S	156	1,534,322	Solar	Solar	NA	No	0
Aurora Solar Project WBL	Elec New Bus	Solar	S	156	(34,982)	Solar	Solar	NA	No	0

Project Title	Asset Type	Program Type	B/C	Loc	2017	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
Minnesota- Dist Sub Eq Replace	Dist Subs	Sub Asset Health	B	103	1,786,417	Sub Asset Health	Sub Asset Health	NA	No	0
Transportation-NSPM Tools	Other	Other	B	103	298,340	Other	Other	NA	No	0
Specialty Construction Blanket	Other	Other	B	103	309,847	Other	Other	NA	No	0
MN-Electric Meter Blanket	Purchase	Equip Purchase	B	103	6,773,096	Equip Purchase	Equip Purchase	NA	No	0
MN-Transformer Purchases	Purchase	Equip Purchase	B	103	16,884,576	Equip Purchase	Equip Purchase	NA	No	0
MN-Dist Sub Tool & Equip	Other	Other	B	103	164,422	Other	Other	NA	No	0
NSPM Metering Sys-Tools & Equip	Other	Other	B	103	117,269	Other	Other	NA	No	0
NSPM-Fdr Cable Replacement-Emerg	Elec Recon	Reliability	S	103	160,890	Reliability	Reliability	NA	No	0
NSPM-Poor Performing Fdr Blanket	Elec Recon	Reliability	S	103	870,082	Reliability	Reliability	NA	No	0
MN-Construct Dist Sub Tool & Equip	Other	Other	B	103	32,866	Other	Other	NA	No	0
NSPM - Accelerated URD Cable Replacement	Elec Recon	Reliability	S	103	14,950,950	Reliability	Reliability	NA	No	0
Scrap Sale Credits-MN	Other	Other	S	103	(187,304)	Other	Other	NA	No	0
Capitalized Locating Cost-Elec-NSPM	Other	Other	B	103	15,122	Other	Other	NA	No	0
Fleet New Unit Purchase EI Ops-NSPM	Other	Fleet	B	103	7,887,179	Fleet	Fleet	NA	No	0
Fleet New Unit Purchase Common-NSPM	Other	Fleet	B	103	1,437,626	Fleet	Fleet	NA	No	0
Transportation Blanket Elec	Other	Fleet	B	103	5,495,835	Fleet	Fleet	NA	No	0
Logistics-NSPM Tools	Other	Other	B	103	107,458	Other	Other	NA	No	0
Environmental Work NSPM-EL	Elec New Bus	Elec Capacity	S	103	102,848	Capacity	Capacity	Blanket	No	0
SPCC NSPM Oil Spill Prevention	Dist Subs	Sub Asset Health	S	103	857,665	Sub Asset Health	Sub Asset Health	NA	No	0
SSI: MN Infrastructure Invest - Subs Cap Rep	Dist Subs	Sub Asset Health	S	103	1,513	Sub Asset Health	Sub Asset Health	NA	No	0
Logistics - Fencing - NSPM	Other	Other	B	103	13,300	Other	Other	NA	No	0
NSPM Communication Pole Transfers	Elec Recon	Elec Mandates	B	103	525,644	Elec Mandates	Elec Mandates	NA	No	0
RCSII Relay Replacement Project	Dist Subs	Sub Asset Health	S	103	511,432	Sub Asset Health	Sub Asset Health	NA	No	0
Feeder Breaker Replacement	Dist Subs	Sub Asset Health	B	103	3,563,505	Sub Asset Health	Sub Asset Health	NA	No	0
Substation Switch Replacement	Dist Subs	Sub Asset Health	S	103	262,081	Sub Asset Health	Sub Asset Health	NA	No	0
Capitalized-MN-Sales Tax Rfd - Elec	Other	Other	S	103	(3,345,196)	Other	Other	NA	No	0
Capitalized MN Sales Tax Rfd- D-Sub	Dist Subs	Sub Capacity	S	103	(646,973)	Capacity	Capacity	Other	No	0
Substation Fence Improvement - NSPM	Dist Subs	Sub Asset Health	B	103	357,057	Sub Asset Health	Sub Asset Health	NA	No	0
Substation Transformer Replacements - NSPM	Dist Subs	Sub Asset Health	B	103	1,238,820	Sub Asset Health	Sub Asset Health	NA	No	0
Retire subs in MN	Dist Subs	Sub Asset Health	B	103	324,254	Sub Asset Health	Sub Asset Health	NA	No	0
NSPM Communication Equip-Dist Subs	Other	Other	B	103	355,584	Other	Other	NA	No	0

Project Title	Asset Type	Program Type	B/C	Loc	2017	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
NSPM- MN Comm Equip - Dist Lin	Other	Other	B	103	78,635	Other	Other	NA	No	0
NSPM Locating - Tools and Equipment	Other	Other	B	103	36,127	Other	Other	NA	No	0
NSPM Feeder Load Monitoring	Other	Other	S	103	30,022	Other	Other	NA	No	0
Rewind Failed Transformers	Dist Subs	Sub Asset Health	S	103	491,426	Sub Asset Health	Sub Asset Health	NA	No	0
reserve 70 MVA 115/13.8 kV transformer	Dist Subs	Sub Asset Health	S	103	5	Sub Asset Health	Sub Asset Health	NA	No	0
NSPM Remote Fault Indication and Load Mon	Other	Other	S	103	222,709	Other	Other	NA	No	0
NSPM Substation new RTU and FLM	Other	Other	S	103	196,443	Other	Other	NA	No	0
ELR - NSPM RTU	Dist Subs	Sub Asset Health	S	103	406,028	Sub Asset Health	Sub Asset Health	NA	No	0
NSPM-Fdr Cable Replacement Proactive	Elec Recon	Reliability	S	103	188,931	Reliability	Reliability	NA	No	0
Replace Frame Relays in NSPM	Other	Other	S	103	667,916	Other	Other	NA	No	0
Fiber Communication Cutover	Dist Subs	Sub Capacity	S	103	1,463	Capacity	Capacity	Other	No	0
ND Communications Equipment	Other	Other	B	103	330,501	Other	Other	NA	No	0
ND - Environmental Work NSPM-E	Elec New Bus	Elec Capacity	B	103	94,191	Capacity	Capacity	Blanket	No	0
VAR Network Devices	Other	Other	S	103	756,135	Other	Other	NA	No	0
Purchase 50 MVA reserve transformer	Dist Subs	Sub Asset Health	S	103	2	Sub Asset Health	Sub Asset Health	NA	No	0
7 MVA Spare	Dist Subs	Sub Asset Health	S	103	2	Sub Asset Health	Sub Asset Health	NA	No	0
Substation Fence Improvement -	Dist Subs	Sub Asset Health	B	103	(12,842)	Sub Asset Health	Sub Asset Health	NA	No	0
Frame Relay Replacement - ND	Other	Other	B	103	31,717	Other	Other	NA	No	0
Fiber Communication Cutover	Other	Other	S	103	50,976	Other	Other	NA	No	0
New 70 MVA reserve TR 115/13.8 kV	Dist Subs	Sub Asset Health	S	103	2	Sub Asset Health	Sub Asset Health	NA	No	0
Elec Dist Communications Softw	Other	Other	S	103	7,951	Other	Other	NA	No	0
Facility Damage Reimbursement	CIAC	CIAC	C	103	83,762	CIAC	CIAC	NA	No	0
Aurora Solar Sub Comm	Other	Solar	S	103	(50,127)	Solar	Solar	NA	No	0
Aurora Solar Sub	Dist Subs	Solar	S	103	(1,812,948)	Solar	Solar	NA	No	0
Solar Garden Sub Work	Dist Subs	Solar	S	103	1,836,106	Solar	Solar	NA	No	0
Solar Garden Sub COMM	Other	Solar	S	103	(80,799)	Solar	Solar	NA	No	0
Aurora Solar - Business Systems Comm Rela	Other	Solar	S	103	(202,479)	Solar	Solar	NA	No	0
Solar Garden Communication Line Equip	Other	Solar	S	103	1,211,116	Solar	Solar	NA	No	0
Purchase Reserve TR 14 MVA 69-13.8 KV	Dist Subs	Sub Asset Health	S	103	416,799	Sub Asset Health	Sub Asset Health	NA	No	0
MN Capital Pole Inspections	Elec Recon	Elec Asset Health	S	103	61,669	Elec Asset Health	Elec Asset Health	NA	No	0
Capitalized Locating Cost-Elec-MN	Other	Other	B	103	477,585	Other	Other	NA	No	0

Project Title	Asset Type	Program Type	B/C	Loc	2017	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
Replace End of Life Substation Batt	Dist Subs	Elec Asset Health	S	103	103	Elec Asset Health	Elec Asset Health	NA	No	0
Battery Upgrade for Frame Relay Replacement	Dist Subs	Sub Asset Health	S	103	7,388	Sub Asset Health	Sub Asset Health	NA	No	0
MN-Sub Capac Reinforcement	Dist Subs	Sub Capacity	B	114	1,631,787	Capacity	Capacity	Blanket	No	0
MN Major Storm Recovery Blanket	Elec Recon	Elec Asset Health	B	114	4	Elec Asset Health	Elec Asset Health	NA	No	0
Clring wo's for credits for CR	CIAC	CIAC	C	114	(1,677)	CIAC	CIAC	NA	No	0
Minnesota inspect/replace poles	Elec Recon	Elec Asset Health	S	114	5,911,256	Elec Asset Health	Elec Asset Health	NA	No	0
Substation Land and ROW - MN	Dist Subs	Sub Capacity	B	114	(339,200)	Capacity	Capacity	Blanket	No	0
Intelliteam SG RTU Rollout	Other	Other	S	114	1,127	Other	Other	NA	No	0
MN LED Streetlight Program	Elec New Bus	Street Lights	S	114	12,376,276	Street Lights	Street Lights	NA	No	0
MN Major Storm Recovery	Elec Recon	Elec Asset Health	S	114	15,096,526	Elec Asset Health	Elec Asset Health	NA	No	0
Oct MN ELEC MIXED WORK ADJUSTMENT	Other	Other	B	114	1,790,553	Other	Other	NA	No	0
MN - Pole Transfer 3rd Party Blanket	Elec Recon	Elec Mandates	B	114	1,054	Elec Mandates	Elec Mandates	NA	No	0
MN - OH Extension Blanket	Elec New Bus	Elec New Service	B	114	769,879	Elec New Service	Elec New Service	NA	No	0
MN - UG Extension Blanket	Elec New Bus	Elec New Service	B	114	5,646,290	Elec New Service	Elec New Service	NA	No	0
MN - OH New Services Blanket	Elec New Bus	Elec New Service	B	114	169,004	Elec New Service	Elec New Service	NA	No	0
MN - UG New Services Blanket	Elec New Bus	Elec New Service	B	114	1,760,258	Elec New Service	Elec New Service	NA	No	0
MN - OH New Street Light Blanket	Elec New Bus	Street Lights	B	114	71,953	Street Lights	Street Lights	NA	No	0
MN - UG New Street Light Blanket	Elec New Bus	Street Lights	B	114	426,278	Street Lights	Street Lights	NA	No	0
MN - New Business Network Blanket	Elec New Bus	Elec Capacity	B	114	3,746	Capacity	Capacity	Blanket	No	0
MN - OH Reloc Tap/Backbone/Sec Blkt	Elec Recon	Elec Mandates	B	114	535,196	Elec Mandates	Elec Mandates	NA	No	0
MN - OH Reloc Feeder Blanket	Elec Recon	Elec Asset Health	B	114	527,906	Elec Asset Health	Elec Asset Health	NA	No	0
MN - UG Reloc Tap/Backbone/Sec Blkt	Elec Recon	Elec Mandates	B	114	763,815	Elec Mandates	Elec Mandates	NA	No	0
MN - UG Reloc Feeder Blanket	Elec Recon	Elec Mandates	B	114	302,723	Elec Mandates	Elec Mandates	NA	No	0
MN - UG Service Conversion Blanket	Elec Recon	Elec Mandates	B	114	344,965	Elec Mandates	Elec Mandates	NA	No	0
MN - OH Rebuild Tap/Backbone/Sec Blkt	Elec Recon	Elec Asset Health	B	114	1,193,194	Elec Asset Health	Elec Asset Health	NA	No	0
MN - OH Rebuild Feeder Blanket	Elec Recon	Elec Asset Health	B	114	245,977	Elec Asset Health	Elec Asset Health	NA	No	0
MN - UG Conversion/Rebuild Blanket	Elec Recon	Elec Asset Health	B	114	851,715	Elec Asset Health	Elec Asset Health	NA	No	0
MN - OH Services Renewal Blanket	Elec Recon	Elec Asset Health	B	114	35,017	Elec Asset Health	Elec Asset Health	NA	No	0
MN - UG Services Renewal Blanket	Elec Recon	Elec Asset Health	B	114	461,334	Elec Asset Health	Elec Asset Health	NA	No	0
MN - OH Street Light Rebuild Blanket	Elec New Bus	Street Lights	B	114	45,485	Street Lights	Street Lights	NA	No	0
MN - UG Street Light Rebuild Blanket	Elec New Bus	Street Lights	B	114	180,118	Street Lights	Street Lights	NA	No	0

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MN - Network Renewal Blanket	Elec Recon	Reliability	B	114	136,007	Reliability	Reliability	NA	No	0
MN - Pole Replacement Blanket	Elec Recon	Elec Asset Health	B	114	1,311,344	Elec Asset Health	Elec Asset Health	NA	No	0
MN - URD Cable Replacement Blanket	Elec Recon	Reliability	B	114	3,378,021	Reliability	Reliability	NA	No	0
MN - Feeder Cable Replacement Blanket Rea	Elec Recon	Reliability	B	114	947,264	Reliability	Reliability	NA	No	0
MN - REMS Blanket	Elec Recon	Reliability	B	114	8,726	Reliability	Reliability	NA	No	0
MN - OH Reinforce Blkt Tap/Back/Sec	Elec New Bus	Elec Capacity	B	114	15,960	Capacity	Capacity	Blanket	No	0
MN - OH Reinforce Feeder Blanket	Elec New Bus	Elec Capacity	B	114	12,736	Capacity	Capacity	Blanket	No	0
MN - UG Reinforce Blkt Tap/Back/Sec	Elec New Bus	Elec Capacity	B	114	89,399	Capacity	Capacity	Blanket	No	0
MN - UG Reinforce Feeder Blanket	Elec New Bus	Elec Capacity	B	114	37,081	Capacity	Capacity	Blanket	No	0
MN - Feeder Cable Repl Blanket Proactive	Elec Recon	Reliability	B	114	1,758,964	Reliability	Reliability	NA	No	0
MN Solar Garden Trans Line Work	Trans Lines	Solar	S	114	15,573	Solar	Solar	NA	No	0
ND Subs Equipment Replacement	Dist Subs	Sub Asset Health	S	117	499,753	Sub Asset Health	Sub Asset Health	NA	No	0
Land for Turkey Ridge Radio Tower	Other	Other	S	118	2,848	Other	Other	NA	No	0
Mpls-New UG Extension	Elec New Bus	Elec New Service	B	141	1,550,976	Elec New Service	Elec New Service	NA	No	0
Mpls-UG Conversion/Rebuild	Elec Recon	Elec Asset Health	B	141	1,675,075	Elec Asset Health	Elec Asset Health	NA	No	0
Mpls-Electric Tools & Equip	Other	Other	B	141	169,082	Other	Other	NA	No	0
Mpls-OH Extension	Elec New Bus	Elec New Service	B	141	361,156	Elec New Service	Elec New Service	NA	No	0
Mpls-OH Services	Elec New Bus	Elec New Service	B	141	2,410,719	Elec New Service	Elec New Service	NA	No	0
Mpls-New UG Services	Elec New Bus	Elec New Service	B	141	1,625,431	Elec New Service	Elec New Service	NA	No	0
Mpls-New UG Network	Elec New Bus	Elec Capacity	B	141	1,127,290	Capacity	Capacity	Blanket	No	0
Mpls-New OH Street Lights	Elec New Bus	Street Lights	B	141	333,752	Street Lights	Street Lights	NA	No	0
Mpls-New UG Street Lights	Elec New Bus	Street Lights	B	141	(73,080)	Street Lights	Street Lights	NA	No	0
Mpls-New Const. CIAC	CIAC	CIAC	C	141	1,657,734	CIAC	CIAC	NA	No	0
Mpls-OH Rebuilds	Elec Recon	Elec Asset Health	B	141	756,579	Elec Asset Health	Elec Asset Health	NA	No	0
Mpls-OH Reinforcements	Elec New Bus	Elec Capacity	B	141	5,549	Capacity	Capacity	Blanket	No	0
Mpls-UG Reinforcement	Elec New Bus	Elec Capacity	B	141	141,076	Capacity	Capacity	Blanket	No	0
Mpls-OH Relocations	Elec Recon	Elec Mandates	B	141	430,838	Elec Mandates	Elec Mandates	NA	No	0
Mpls-UG Relocations	Elec Recon	Elec Mandates	B	141	177,639	Elec Mandates	Elec Mandates	NA	No	0
Mpls-UG Service Conv	Elec Recon	Elec Mandates	B	141	163,014	Elec Mandates	Elec Mandates	NA	No	0
MPLS Network Protectors	Elec Recon	Elec Asset Health	B	141	278,260	Elec Asset Health	Elec Asset Health	NA	No	0
MN Vault Top Replacements	Elec Recon	Elec Asset Health	B	141	88,117	Elec Asset Health	Elec Asset Health	NA	No	0

Project Title	Asset Type	Program Type	B/C	Loc	2017	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
Reliability Monitoring System (REMS)	Elec Recon	Reliability	S	141	35,632	Reliability	Reliability	NA	No	0
Mpls-Electric Trouble Tools & Equip	Other	Other	B	141	230,164	Other	Other	NA	No	0
Install Fifth Street switchgear	Dist Subs	Sub Asset Health	S	141	3,711,133	Sub Asset Health	Sub Asset Health	NA	No	0
LaSalle Paving Project	Elec Recon	Elec Mandates	S	141	9	Elec Mandates	Elec Mandates	NA	No	0
OH-UG Cnty 9 - France to Hwy 81	Elec Recon	Elec Mandates	S	141	(204,531)	Elec Mandates	Elec Mandates	NA	No	0
New ELP feeder bay	Dist Subs	Sub Capacity	S	141	16,107	Capacity	Capacity	Customer driven	No	0
Customer Redacted	Dist Subs	Sub Capacity	S	141	11,103	Capacity	Capacity	Customer driven	No	0
Douglas Dr OH-UG Conversion	Elec Recon	Elec Mandates	S	141	1,820,948	Elec Mandates	Elec Mandates	NA	No	0
Solar Garden Ext - Mpls	Elec New Bus	Solar	S	141	262	Solar	Solar	NA	No	0
Nicollet Mall Street Scape	Elec Recon	Elec Mandates	S	141	(61,308)	Elec Mandates	Elec Mandates	NA	No	0
Block 69-75 Feeder Extensions	Elec New Bus	Elec New Service	S	141	133,638	Elec New Service	Elec New Service	NA	No	0
Customer Redacted	Elec New Bus	Elec Capacity	S	141	5,547	Capacity	Capacity	Customer driven	No	0
Mpls UG Network	Elec Recon	Elec Asset Health	B	141	533,544	Elec Asset Health	Elec Asset Health	NA	No	0
Washington Ave Relocation - Hennipin to 5th	Elec Recon	Elec Mandates	S	141	278,028	Elec Mandates	Elec Mandates	NA	No	0
Customer Redacted	Elec New Bus	Elec Capacity	S	141	(18,925)	Capacity	Capacity	Customer driven	No	0
Customer Redacted	Elec New Bus	Elec Capacity	S	141	406,837	Capacity	Capacity	Customer driven	No	0
Chicago - Washington Relocation	Elec Recon	Elec Asset Health	S	141	217,407	Elec Asset Health	Elec Asset Health	NA	No	0
Relocate 12 feeders for 35W road project	Elec Recon	Elec Mandates	S	141	1,763,656	Elec Mandates	Elec Mandates	NA	No	0
Customer Redacted	Elec New Bus	Elec Capacity	S	141	383,620	Capacity	Capacity	Customer driven	No	0
Mntka- New UG Extension	Elec New Bus	Elec New Service	B	142	1,010,137	Elec New Service	Elec New Service	NA	No	0
Mntka-OH Rebuilds	Elec Recon	Elec Asset Health	B	142	531,154	Elec Asset Health	Elec Asset Health	NA	No	0
Mntka-Elec Tools/Equip	Other	Other	B	142	174,302	Other	Other	NA	No	0
Mntka-OH Extension	Elec New Bus	Elec New Service	B	142	278,673	Elec New Service	Elec New Service	NA	No	0
Mntka-OH Services	Elec New Bus	Elec New Service	B	142	16,943	Elec New Service	Elec New Service	NA	No	0
Mntka-New UG Services	Elec New Bus	Elec New Service	B	142	695,528	Elec New Service	Elec New Service	NA	No	0
Mntka-New OH Street Lights	Elec New Bus	Street Lights	B	142	31,509	Street Lights	Street Lights	NA	No	0
Mntka-New UG Street Lights	Elec New Bus	Street Lights	B	142	(5,633)	Street Lights	Street Lights	NA	No	0
Mntka-Electric New Const CIAC	CIAC	CIAC	C	142	(243,987)	CIAC	CIAC	NA	No	0
Mntka-UG Conversion/Rebuild	Elec Recon	Elec Asset Health	B	142	599,485	Elec Asset Health	Elec Asset Health	NA	No	0
Mntka-OH Reinforcements	Elec New Bus	Elec Capacity	B	142	18,954	Capacity	Capacity	Blanket	No	0
Mntka-OH Relocations	Elec Recon	Elec Mandates	B	142	253,580	Elec Mandates	Elec Mandates	NA	No	0

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Mntka-UG Relocations	Elec Recon	Elec Mandates	B	142	145,162	Elec Mandates	Elec Mandates	NA	No	0
Mntka-UG Service Conv	Elec Recon	Elec Mandates	B	142	45,472	Elec Mandates	Elec Mandates	NA	No	0
Reliability Monitoring System (REMS)	Elec Recon	Reliability	S	142	62,962	Reliability	Reliability	NA	No	0
SSI: Install Waconia TR2 and fdrs	Dist Subs	Sub Capacity	S	142	2,054,528	Capacity	Capacity	Capacity	Yes	0
SSI: Install new WCS fdr on WCS TR2	Elec New Bus	Elec Capacity	S	142	707,594	Capacity	Capacity	Capacity	Yes	WCS above
Install new sub Lake Bavaria	Dist Subs	Sub Capacity	S	142	155,153	Capacity	Capacity	Capacity	Yes	LAB below
Install feeder at new Hazeltine sub	Elec New Bus	Elec Capacity	S	142	111,849	Capacity	Capacity	Capacity	Yes	0
T: Rebuild head end of WSG362 3.6mi	Elec Recon	Elec Mandates	S	142	(1,545)	Elec Mandates	Elec Mandates	NA	No	0
T: DCP spend for TAM work at BLC	Dist Subs	Sub Capacity	S	142	(335)	Capacity	Capacity	Transmission Driven	No	0
Land for Lake Bavaria Sub	Dist Subs	Sub Capacity	S	142	1,562	Capacity	Capacity	Capacity	Yes	LAB above
Solar Garden Ext - Edina	Elec New Bus	Solar	S	142	(194,320)	Solar	Solar	NA	No	0
Solar Garden Ext - Shorewood	Elec New Bus	Solar	S	142	1,625,899	Solar	Solar	NA	No	0
BUDG-Install 2nd feeder bay at Plat	Dist Subs	Sub Capacity	S	142	498,707	Capacity	Capacity	Customer driven	No	12.7
Aurora Solar Project Mtnka	Elec New Bus	Solar	S	142	(219,192)	Solar	Solar	NA	No	0
Co Rd 30 Road Move	Elec Recon	Elec Mandates	S	142	236,605	Elec Mandates	Elec Mandates	NA	No	0
Edina-UG Extensions	Elec New Bus	Elec New Service	B	143	464,875	Elec New Service	Elec New Service	NA	No	0
Edina-OH Rebuilds	Elec Recon	Elec Asset Health	B	143	358,918	Elec Asset Health	Elec Asset Health	NA	No	0
Edina-Elect Tool/Equip	Other	Other	B	143	62,948	Other	Other	NA	No	0
Edina-OH Extension	Elec New Bus	Elec New Service	B	143	51,125	Elec New Service	Elec New Service	NA	No	0
Edina-New OH Services	Elec New Bus	Elec New Service	B	143	48,187	Elec New Service	Elec New Service	NA	No	0
Edina-UG Services	Elec New Bus	Elec New Service	B	143	173,110	Elec New Service	Elec New Service	NA	No	0
Edina-New OH Street Lights	Elec New Bus	Street Lights	B	143	26,098	Street Lights	Street Lights	NA	No	0
Edina-New UG Street Lights	Elec New Bus	Street Lights	B	143	276,855	Street Lights	Street Lights	NA	No	0
Edina-Electric New Const CIAC	CIAC	CIAC	C	143	(31,354)	CIAC	CIAC	NA	No	0
Edina-UG Conversions/Rebuild	Elec Recon	Elec Asset Health	B	143	592,893	Elec Asset Health	Elec Asset Health	NA	No	0
Edina-OH Reinforcements	Elec New Bus	Elec Capacity	B	143	125,058	Capacity	Capacity	Blanket	No	0
Edina-UG Reinforcements	Elec New Bus	Elec Capacity	B	143	56,833	Capacity	Capacity	Blanket	No	0
Edina-OH Relocations	Elec Recon	Elec Mandates	B	143	490,053	Elec Mandates	Elec Mandates	NA	No	0
Edina-UG Relocations	Elec Recon	Elec Mandates	B	143	399,518	Elec Mandates	Elec Mandates	NA	No	0
Edina-UG Service Conv	Elec Recon	Elec Mandates	B	143	16,981	Elec Mandates	Elec Mandates	NA	No	0
Reliability Monitoring System (REMS)	Elec Recon	Reliability	S	143	47,789	Reliability	Reliability	NA	No	0

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Normandale Blvd - Relocate UG facilities for r	Elec Recon	Elec Mandates	S	143	587,997	Elec Mandates	Elec Mandates	NA	No	0
MSP Airport - Relocate 3 Feeders for MSP	Elec Recon	Elec Mandates	S	143	(86,250)	Elec Mandates	Elec Mandates	NA	No	0
CSAH 53 OH to UG	Elec Recon	Elec Asset Health	S	143	1,261,813	Elec Asset Health	Elec Asset Health	NA	No	0
Customer Redacted	Elec New Bus	Elec Capacity	S	143	385,767	Capacity	Capacity	Customer driven	No	0
Reinforce GNL072 equipment in sub	Dist Subs	Sub Capacity	S	143	5,312	Capacity	Capacity	Capacity	Yes	0
Southeast-OH Extension	Elec New Bus	Elec New Service	B	144	718,211	Elec New Service	Elec New Service	NA	No	0
Southeast-OH Services	Elec New Bus	Elec New Service	B	144	164,469	Elec New Service	Elec New Service	NA	No	0
Southeast-UG Services	Elec New Bus	Elec New Service	B	144	536,633	Elec New Service	Elec New Service	NA	No	0
Southeast-OH Streetlights	Elec New Bus	Street Lights	B	144	219,065	Street Lights	Street Lights	NA	No	0
Southeast Underground St Light	Elec New Bus	Street Lights	B	144	71,054	Street Lights	Street Lights	NA	No	0
Southeast-Elec NB CIAC	CIAC	CIAC	C	144	(800,664)	CIAC	CIAC	NA	No	0
Southeast-OH Rebuilds	Elec Recon	Elec Asset Health	B	144	2,118,613	Elec Asset Health	Elec Asset Health	NA	No	0
Southeast-UG Conv/Rebuilds	Elec Recon	Elec Asset Health	B	144	536,346	Elec Asset Health	Elec Asset Health	NA	No	0
Southeast-OH Reinforcements	Elec New Bus	Elec Capacity	B	144	208,431	Capacity	Capacity	Blanket	No	0
Southeast-UG Reinforcements	Elec New Bus	Elec Capacity	B	144	1,905	Capacity	Capacity	Blanket	No	0
Southeast-OH Relocations	Elec Recon	Elec Mandates	B	144	1,754,535	Elec Mandates	Elec Mandates	NA	No	0
Southeast-UG Relocations	Elec Recon	Elec Mandates	B	144	118,871	Elec Mandates	Elec Mandates	NA	No	0
Southeast-Elec Tools & Equip	Other	Other	B	144	271,263	Other	Other	NA	No	0
Southeast-UG Extensions	Elec New Bus	Elec New Service	B	144	719,256	Elec New Service	Elec New Service	NA	No	0
Southeast-UG Service Conv	Elec Recon	Elec Mandates	B	144	193,231	Elec Mandates	Elec Mandates	NA	No	0
Reliability Monitoring System (REMS)	Elec Recon	Reliability	S	144	30,572	Reliability	Reliability	NA	No	0
Install Cap Bank at Crystal Foods	Dist Subs	Sub Capacity	S	144	(50)	Capacity	Capacity	Transmission Driven	No	0
Morton County Road 2 Relocation	Elec Recon	Elec Mandates	S	144	58	Elec Mandates	Elec Mandates	NA	No	0
Install Eastwood 081 and 082	Elec New Bus	Elec Capacity	S	144	55,013	Capacity	Capacity	Capacity	Yes	0
Add 50MVA Eastwood TR3 and feeders	Dist Subs	Sub Capacity	S	144	4,328	Capacity	Capacity	Capacity	Yes	ESW above
Add Dundas 072 Feeder Bay-sub	Dist Subs	Sub Capacity	S	144	242,948	Capacity	Capacity	Capacity	Yes	DND below
Add Dundas 072 Feeder	Elec New Bus	Elec Capacity	S	144	6,193	Capacity	Capacity	Capacity	Yes	0
Solar Garden Extensions - SE	Elec New Bus	Solar	S	144	(5,777,388)	Solar	Solar	NA	No	0
Mankato Downtown Civic Center Project	Elec Recon	Elec Mandates	S	144	(161)	Elec Mandates	Elec Mandates	NA	No	0
Madison Ave Manholes Mankato	Elec Recon	Elec Mandates	S	144	(1,302)	Elec Mandates	Elec Mandates	NA	No	0
Aurora Solar Project SE	Elec New Bus	Solar	S	144	820,207	Solar	Solar	NA	No	0

Project Title	Asset Type	Program Type	B/C	Loc	2017	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
Add Crystal Foods 62 Feeder	Dist Subs	Sub Capacity	S	144	952,226	Capacity	Capacity	Capacity	Yes	12
Maple Grv-Elec UG Extension	Elec New Bus	Elec New Service	B	147	1,533,633	Elec New Service	Elec New Service	NA	No	0
Maple Grv-OH Rebuilds	Elec Recon	Elec Asset Health	B	147	620,344	Elec Asset Health	Elec Asset Health	NA	No	0
Maple Grv-Electric Tools & Equip	Other	Other	B	147	33,962	Other	Other	NA	No	0
Maple Grv-New OH Street Lights	Elec New Bus	Street Lights	B	147	37,015	Street Lights	Street Lights	NA	No	0
Maple Grv-OH Extension	Elec New Bus	Elec New Service	B	147	14,195	Elec New Service	Elec New Service	NA	No	0
Maple Grv-OH Services	Elec New Bus	Elec New Service	B	147	7,952	Elec New Service	Elec New Service	NA	No	0
Maple Grv-New Elec UG Services	Elec New Bus	Elec New Service	B	147	308,226	Elec New Service	Elec New Service	NA	No	0
Maple Grv-New UG Street Lights	Elec New Bus	Street Lights	B	147	56,376	Street Lights	Street Lights	NA	No	0
Maple Grv-Electric New Const CIAC	CIAC	CIAC	C	147	(69,585)	CIAC	CIAC	NA	No	0
Maple Grv-UG Conversion/Rebuild	Elec Recon	Elec Asset Health	B	147	1,210,912	Elec Asset Health	Elec Asset Health	NA	No	0
Maple Grv-OH Reinforcements	Elec New Bus	Elec Capacity	B	147	8,414	Capacity	Capacity	Blanket	No	0
Maple Grv-UG Reinforcements	Elec New Bus	Elec Capacity	B	147	42,452	Capacity	Capacity	Blanket	No	0
Maple Grv-OH Relocations	Elec Recon	Elec Mandates	B	147	73,985	Elec Mandates	Elec Mandates	NA	No	0
Maple Grv-UG Relocations	Elec Recon	Elec Mandates	B	147	28,844	Elec Mandates	Elec Mandates	NA	No	0
Maple Grv-UG Service Conv	Elec Recon	Elec Mandates	B	147	37,155	Elec Mandates	Elec Mandates	NA	No	0
Convert Hollydale Sub to 115kV	Dist Subs	Sub Capacity	S	147	501,197	Capacity	Capacity	Transmission Driven	No	0
Reliability Monitoring System (REMS): Maple	Elec Recon	Reliability	S	147	9,989	Reliability	Reliability	NA	No	0
Reconfigure ties for TWL079	Elec New Bus	Elec Capacity	S	147	(212,090)	Capacity	Capacity	Capacity	Yes	0
Reconfigure ties on TWL feeders	Elec New Bus	Elec Capacity	S	147	(454)	Capacity	Capacity	Capacity	Yes	0
Hwy 610 UG Feeder Relocation	Elec Recon	Elec Mandates	S	147	324	Elec Mandates	Elec Mandates	NA	No	0
Convert OH to UG Vicksburg	Elec Recon	Elec Mandates	S	147	(162,178)	Elec Mandates	Elec Mandates	NA	No	0
Reconfigure feeder ties CNC073	Elec New Bus	Elec Capacity	S	147	411,159	Capacity	Capacity	Capacity	Yes	9.1
Extend IDA064 to relieve TWL064	Elec New Bus	Elec Capacity	S	147	32,440	Capacity	Capacity	Capacity	Yes	0
Convert OH-UG feeder between Winnetka and	Elec Recon	Elec Asset Health	S	147	334,686	Elec Asset Health	Elec Asset Health	NA	No	0
Newport-Elec Tool/Equip	Other	Other	B	150	78,443	Other	Other	NA	No	0
Newport-OH Extension	Elec New Bus	Elec New Service	B	150	449,224	Elec New Service	Elec New Service	NA	No	0
Newport-OH Services	Elec New Bus	Elec New Service	B	150	24,810	Elec New Service	Elec New Service	NA	No	0
Newport-UG Services	Elec New Bus	Elec New Service	B	150	525,630	Elec New Service	Elec New Service	NA	No	0
Newport-OH Streetlights	Elec New Bus	Street Lights	B	150	41,453	Street Lights	Street Lights	NA	No	0
Newport-UG Streetlights	Elec New Bus	Street Lights	B	150	113,359	Street Lights	Street Lights	NA	No	0

Project Title	Asset Type	Program Type	B/C	Loc	2017	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
Newport-Elec NB CIAC	CIAC	CIAC	C	150	(295,170)	CIAC	CIAC	NA	No	0
Newport-OH Rebuilds	Elec Recon	Elec Asset Health	B	150	823,257	Elec Asset Health	Elec Asset Health	NA	No	0
Newport-UG Conversions/Rebuild	Elec Recon	Elec Asset Health	B	150	449,901	Elec Asset Health	Elec Asset Health	NA	No	0
Newport-OH Reinforcements	Elec New Bus	Elec Capacity	B	150	13,860	Capacity	Capacity	Blanket	No	0
Newport-UG Reinforcements	Elec New Bus	Elec Capacity	B	150	2,886	Capacity	Capacity	Blanket	No	0
Newport-OH Relocations	Elec Recon	Elec Mandates	B	150	689,419	Elec Mandates	Elec Mandates	NA	No	0
Newport-UG Relocations	Elec Recon	Elec Mandates	B	150	234,672	Elec Mandates	Elec Mandates	NA	No	0
Newport-UG Extensions	Elec New Bus	Elec New Service	B	150	2,107,931	Elec New Service	Elec New Service	NA	No	0
Newport-UG Service Conv	Elec Recon	Elec Mandates	B	150	22,706	Elec Mandates	Elec Mandates	NA	No	0
Reliability Monitoring System (REMS)	Elec Recon	Reliability	S	150	29,351	Reliability	Reliability	NA	No	0
Install new RRK TR3 Feeder	Elec New Bus	Elec Capacity	S	150	3,046	Capacity	Capacity	Capacity	Yes	0
Solar Garden Ext Newport	Elec New Bus	Solar	S	150	778,407	Solar	Solar	NA	No	0
Robert Street Relocation W St Paul	Elec Recon	Elec Mandates	S	150	286	Elec Mandates	Elec Mandates	NA	No	0
Aurora Solar Project NPT	Elec New Bus	Solar	S	150	(206,135)	Solar	Solar	NA	No	0
New South Afton Substation and feeders	Dist Subs	Sub Capacity	S	150	367,662	Capacity	Capacity	Major capacity project	No	0
Replace Afton TR2 with System Reserve	Dist Subs	Sub Asset Health	S	150	260,000	Sub Asset Health	Sub Asset Health	NA	No	0
St Paul-OH Extension	Elec New Bus	Elec New Service	B	151	102,124	Elec New Service	Elec New Service	NA	No	0
St Paul-OH Services	Elec New Bus	Elec New Service	B	151	279,935	Elec New Service	Elec New Service	NA	No	0
St Paul-UG Services	Elec New Bus	Elec New Service	B	151	113,573	Elec New Service	Elec New Service	NA	No	0
St Paul-UG Network	Elec New Bus	Elec Capacity	B	151	253,210	Capacity	Capacity	Blanket	No	0
St Paul-OH Streetlights	Elec New Bus	Street Lights	B	151	47,510	Street Lights	Street Lights	NA	No	0
St Paul-UG Street Lights	Elec New Bus	Street Lights	B	151	12,016	Street Lights	Street Lights	NA	No	0
St Paul-Elec NB CIAC	CIAC	CIAC	C	151	(108,332)	CIAC	CIAC	NA	No	0
St Paul-OH Rebuilds	Elec Recon	Elec Asset Health	B	151	728,210	Elec Asset Health	Elec Asset Health	NA	No	0
St Paul-UG Conversions/Rebuild	Elec Recon	Elec Asset Health	B	151	723,329	Elec Asset Health	Elec Asset Health	NA	No	0
St Paul-OH Reinforcements	Elec New Bus	Elec Capacity	B	151	64,339	Capacity	Capacity	Blanket	No	0
St Paul-UG Reinforcements	Elec New Bus	Elec Capacity	B	151	88	Capacity	Capacity	Blanket	No	0
St Paul-OH Relocations	Elec Recon	Elec Mandates	B	151	192,129	Elec Mandates	Elec Mandates	NA	No	0
St Paul-UG Relocations	Elec Recon	Elec Mandates	B	151	434,686	Elec Mandates	Elec Mandates	NA	No	0
St Paul-Elec Tools & Equip	Other	Other	B	151	67,769	Other	Other	NA	No	0
St Paul-UG Extensions	Elec New Bus	Elec New Service	B	151	448,176	Elec New Service	Elec New Service	NA	No	0

Project Title	Asset Type	Program Type	B/C	Loc	2017	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
St Paul-UG Service Conv	Elec Recon	Elec Mandates	B	151	47,711	Elec Mandates	Elec Mandates	NA	No	0
Reliability Monitoring System (REMS): MN	Elec Recon	Reliability	S	151	36,153	Reliability	Reliability	NA	No	0
Install DBL082 OH feeder	Elec New Bus	Elec Capacity	S	151	47	Capacity	Capacity	Capacity	Yes	0
St Paul-Elec Trouble Tools & Equip	Other	Other	B	151	261,073	Other	Other	NA	No	0
SSI: Convert St Clair 4kV to 13.8kV	Elec Recon	Elec Asset Health	S	151	542,181	Elec Asset Health	Elec Asset Health	NA	No	0
Replace Network Protectors - STP	Elec Recon	Elec Asset Health	B	151	5	Elec Asset Health	Elec Asset Health	NA	No	0
STP Vault Top Replacement	Elec Recon	Elec Asset Health	B	151	285,530	Elec Asset Health	Elec Asset Health	NA	No	0
Jackson St Rebuild	Elec Recon	Elec Asset Health	S	151	(413,423)	Elec Asset Health	Elec Asset Health	NA	No	0
St. Paul UG Network	Elec Recon	Elec Asset Health	B	151	768,309	Elec Asset Health	Elec Asset Health	NA	No	0
MLS stadium OH/UG Relocation	Elec Recon	Elec Asset Health	S	151	38,452	Elec Asset Health	Elec Asset Health	NA	No	0
Rosedale Mall UG Feeder Relocation	Elec Recon	Elec Mandates	S	151	6,849	Elec Mandates	Elec Mandates	NA	No	0
Northwest-UG Extensions	Elec New Bus	Elec New Service	B	154	1,074,665	Elec New Service	Elec New Service	NA	No	0
Northwest-OH Rebuilds	Elec Recon	Elec Asset Health	B	154	468,739	Elec Asset Health	Elec Asset Health	NA	No	0
Northwest-Elec Tools/Equip	Other	Other	B	154	204,152	Other	Other	NA	No	0
Northwest-New OH Street Lights	Elec New Bus	Street Lights	B	154	83,046	Street Lights	Street Lights	NA	No	0
Northwest-New OH Extensions	Elec New Bus	Elec New Service	B	154	518,507	Elec New Service	Elec New Service	NA	No	0
Northwest-New OH Services	Elec New Bus	Elec New Service	B	154	65,414	Elec New Service	Elec New Service	NA	No	0
Northwest-New UG Services	Elec New Bus	Elec New Service	B	154	516,418	Elec New Service	Elec New Service	NA	No	0
Northwest-New UG Street Lights	Elec New Bus	Street Lights	B	154	75,778	Street Lights	Street Lights	NA	No	0
Northwest-New Elec Const CIAC	CIAC	CIAC	C	154	(87,746)	CIAC	CIAC	NA	No	0
Northwest-UG Conversion/Rebuild	Elec Recon	Elec Asset Health	B	154	313,505	Elec Asset Health	Elec Asset Health	NA	No	0
Northwest-OH Reinforcements	Elec New Bus	Elec Capacity	B	154	51,014	Capacity	Capacity	Blanket	No	0
Northwest-UG Reinforcement	Elec New Bus	Elec Capacity	B	154	76,274	Capacity	Capacity	Blanket	No	0
Northwest-OH Relocations	Elec Recon	Elec Mandates	B	154	240,625	Elec Mandates	Elec Mandates	NA	No	0
Northwest-UG Relocations	Elec Recon	Elec Mandates	B	154	54,567	Elec Mandates	Elec Mandates	NA	No	0
Northwest-UG Service Conv	Elec Recon	Elec Mandates	B	154	17,240	Elec Mandates	Elec Mandates	NA	No	0
Reliability Monitoring System (REMS): St Cloud	Elec Recon	Reliability	S	154	2,315	Reliability	Reliability	NA	No	0
New First Lake sub	Dist Subs	Sub Capacity	S	154	(6,363)	Capacity	Capacity	Capacity	Yes	FSL below
New First Lake feeder FSL311	Elec New Bus	Elec Capacity	S	154	(28,707)	Capacity	Capacity	Capacity	Yes	0
Instl second bank Fiesta City	Dist Subs	Sub Capacity	S	154	7,977	Capacity	Capacity	Capacity	Yes	0
T: Annandale Town Rebuild	Elec Recon	Elec Mandates	S	154	5,641	Elec Mandates	Elec Mandates	NA	No	0

Project Title	Asset Type	Program Type	B/C	Loc	2017	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
Remove and Retire Empire Park substation	Elec New Bus	Elec Capacity	S	154	(77,961)	Capacity	Asset Health	Asset Health	No	0
Solar Garden Ext - NW	Elec New Bus	Solar	S	154	5,151,637	Solar	Solar	NA	No	0
Aurora Solar Project NW	Elec New Bus	Solar	S	154	152,183	Solar	Solar	NA	No	0
Freeport to Black Oak Rebuild	Elec Recon	Elec Asset Health	S	154	(7,839)	Elec Asset Health	Elec Asset Health	NA	No	0
2nd St N Relocation Project	Elec Recon	Elec Mandates	S	154	(534,902)	Elec Mandates	Elec Mandates	NA	No	0
Reinforce Lowry TR1, replace regulators	Dist Subs	Sub Capacity	S	154	1,071,322	Capacity	Capacity	Capacity	Yes	8.3
Install 2nd transformer at Sauk River	Dist Subs	Sub Capacity	S	154	5,635	Capacity	Capacity	Capacity	Yes	0
White Bear-OH Extension	Elec New Bus	Elec New Service	B	156	165,836	Elec New Service	Elec New Service	NA	No	0
White Bear-OH Services	Elec New Bus	Elec New Service	B	156	97,203	Elec New Service	Elec New Service	NA	No	0
White Bear-UG Services	Elec New Bus	Elec New Service	B	156	1,137,102	Elec New Service	Elec New Service	NA	No	0
White Bear-OH Street Lights	Elec New Bus	Street Lights	B	156	48,258	Street Lights	Street Lights	NA	No	0
White Bear-UG Street Lts	Elec New Bus	Street Lights	B	156	69,186	Street Lights	Street Lights	NA	No	0
White Bear-Electric New Consts CIAC	CIAC	CIAC	C	156	(168,128)	CIAC	CIAC	NA	No	0
White Bear-OH Rebuilds	Elec Recon	Elec Asset Health	B	156	412,511	Elec Asset Health	Elec Asset Health	NA	No	0
White Bear-UG Conv/Rebuilds	Elec Recon	Elec Asset Health	B	156	14,472	Elec Asset Health	Elec Asset Health	NA	No	0
White Bear-OH Reinforcements	Elec New Bus	Elec Capacity	B	156	356,948	Capacity	Capacity	Blanket	No	0
White Bear-UG Reinforcements	Elec New Bus	Elec Capacity	B	156	10,689	Capacity	Capacity	Blanket	No	0
White Bear-UG Relocations	Elec Recon	Elec Mandates	B	156	233,492	Elec Mandates	Elec Mandates	NA	No	0
White Bear-Electric Tools & Eq	Other	Other	B	156	49,780	Other	Other	NA	No	0
White Bear-UG Extensions	Elec New Bus	Elec New Service	B	156	1,670,388	Elec New Service	Elec New Service	NA	No	0
White Bear-OH Relocations	Elec Recon	Elec Mandates	B	156	960,451	Elec Mandates	Elec Mandates	NA	No	0
White Bear-UG Service Conv	Elec Recon	Elec Mandates	B	156	53,567	Elec Mandates	Elec Mandates	NA	No	0
Reliability Monitoring System (REMS)	Elec Recon	Reliability	S	156	145,281	Reliability	Reliability	NA	No	0
St Croix River Bridge	Elec Recon	Elec Mandates	S	156	(190)	Elec Mandates	Elec Mandates	NA	No	0
Install #2 28 MVA 115/13.8kV at Baytown	Dist Subs	Sub Capacity	S	156	3,613,144	Capacity	Capacity	Capacity	Yes	BYT below
Inst BYT#2 28 MVA OH Fdrs	Elec New Bus	Elec Capacity	S	156	1,076,341	Capacity	Capacity	Capacity	Yes	13.9
Solar Garden Ext - WBL	Elec New Bus	Solar	S	156	1,840,203	Solar	Solar	NA	No	0
Aurora Solar Project WBL	Elec New Bus	Solar	S	156	32,482	Solar	Solar	NA	No	0

Project Title	Asset Type	Program Type	LOC	SAP Proj Type	2018 YE FCST	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
MN-Dist Fleet New Unit Purchase EI Ops	Other	Fleet	103	Blanket	934,604	Fleet	Fleet	Fleet	No	0
MN-Solar Garden Sub Work	Dist Subs	Solar	103	Discrete	(3,771,958)	Solar	Solar	Solar	No	0
MN-Dist Fleet New Unit Purchase Common	Other	Fleet	103	Blanket	494,514	Fleet	Fleet	Fleet	No	0
Aurora Solar Sub Reinforcement	Dist Subs	Solar	103	Discrete	(908,684)	Solar	Solar	Solar	No	0
SPCC NSPM Oil Spill Prevention	Dist Subs	Sub Asset Health	103	Discrete	671,805	Sub Asset Health	Sub Asset Health	Sub Asset Health	No	0
Aurora Solar Subs Communicatio	Other	Solar	103	Discrete	(384,306)	Solar	Solar	Solar	No	0
MN-Solar Garden Sub Comm	Other	Solar	103	Discrete	(242,776)	Solar	Solar	Solar	No	0
Solar Gardens Communications - CSG	Other	Solar	103	Blanket	(180,897)	Solar	Solar	Solar	No	0
NSPM-Accelerated URD Cable Rep	Elec Recon	Reliability	103	Blanket	(142,022)	Reliability	Reliability	Reliability	No	0
Scrap Sale Credits-MN	Other	Other	103	Discrete	(104,627)	Other	Other	Other	No	0
Distribution CIAC MN Elec	CIAC	CIAC	103	Discrete	(53,767)	CIAC	CIAC	CIAC	No	0
NSPM-Fdr Cable Replacement Proactive	Elec Recon	Reliability	103	Blanket	(10,615)	Reliability	Reliability	Reliability	No	0
Battery Upgrade for Frame Relay Replacem	Dist Subs	Sub Asset Health	103	Discrete	314,549	Sub Asset Health	Sub Asset Health	Sub Asset Health	No	0
NSPM-Poor Perf Fdr Replace Blk	Elec Recon	Reliability	103	Blanket	(3,831)	Reliability	Reliability	Reliability	No	0
Solar Gardens Comm - CSG	Other	Solar	103	Discrete	(1,070)	Solar	Solar	Solar	No	0
Nspm Metering Sys-Tools & Equi	Other	Other	103	Blanket	59,445	Other	Other	Other	No	0
Substation Switch Replacement	Dist Subs	Sub Asset Health	103	Discrete	448,491	Sub Asset Health	Sub Asset Health	Sub Asset Health	No	0
MN-Dist Tools Common	Other	Other	103	Blanket	56,573	Other	Other	Other	No	0
Scrap Sale Credit Com Gen NSP-	Other	Other	103	Discrete	(275)	Other	Other	Other	No	0
NSPM Feeder Load Monitoring	Other	Other	103	Discrete	94,957	Other	Other	Other	No	0
Minnesota- Dist Sub Eq Replace	Dist Subs	Sub Asset Health	103	Discrete	2,009,973	Sub Asset Health	Sub Asset Health	Sub Asset Health	No	0
Aurora Solar Communications -BS	Other	Solar	103	Blanket	(3)	Solar	Solar	Solar	No	0
MN-Dist Subs Tools and Equip	Other	Other	103	Blanket	57,000	Other	Other	Other	No	0
Logistics - Fencing - NSPM	Other	Other	103	Blanket	6,000	Other	Other	Other	No	0
Logistics - Security Equipment	Other	Other	103	Blanket	20,000	Other	Other	Other	No	0
MN-Dist Electric Tools and Equip	Other	Other	103	Blanket	35,000	Other	Other	Other	No	0
Retire Subs in MN	Dist Subs	Sub Asset Health	103	Discrete	404,000	Sub Asset Health	Sub Asset Health	Sub Asset Health	No	0
Feeder Breaker Replacement	Dist Subs	Sub Asset Health	103	Discrete	1,358,000	Sub Asset Health	Sub Asset Health	Sub Asset Health	No	0
Replace End of Life Substation Batt	Dist Subs	Sub Asset Health	103	Discrete	506,000	Sub Asset Health	Sub Asset Health	Sub Asset Health	No	0
Substation Fence Improvement	Dist Subs	Sub Asset Health	103	Discrete	376,000	Sub Asset Health	Sub Asset Health	Sub Asset Health	No	0
MN-Dist Subs Tools and Equip	Other	Other	103	Blanket	375,000	Other	Other	Other	No	0
ELR - NSPM RTU	Dist Subs	Sub Asset Health	103	Discrete	818,000	Sub Asset Health	Sub Asset Health	Sub Asset Health	No	0
NSPM-Accelerated URD Cable Rep	Elec Recon	Reliability	103	Blanket	10	Reliability	Reliability	Reliability	No	0

Project Title	Asset Type	Program Type	LOC	SAP Proj Type	2018 YE FCST	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
RCSII Replacement Project - MN	Dist Subs	Sub Asset Health	103	Discrete	293,097	Sub Asset Health	Sub Asset Health	Sub Asset Health	No	0
MN-Dist Electric Tools and Equip	Other	Other	103	Blanket	105,271	Other	Other	Other	No	0
Substation Transformer Replace	Dist Subs	Sub Asset Health	103	Discrete	(6,688)	Sub Asset Health	Sub Asset Health	Sub Asset Health	No	0
Feeder Load Monitoring DCP Capacity	Dist Subs	Sub Capacity	103	Discrete	1,170,317	Capacity	Capacity	Program	No	0
MN-DistLogistics	Other	Other	103	Blanket	117,372	Other	Other	Other	No	0
MN Mobile TR/Subs Reserve 2014	Dist Subs	Sub Asset Health	103	Discrete	2,000,507	Sub Asset Health	Sub Asset Health	Sub Asset Health	No	0
Purchase reserve TR 7 MVA 69-12.5 KV	Dist Subs	Sub Asset Health	103	Discrete	350,643	Sub Asset Health	Sub Asset Health	Sub Asset Health	No	0
Feeder Load Monitoring COMM	Other	Other	103	Discrete	580,852	Other	Other	Other	No	0
ELR Substation Regulators	Dist Subs	Sub Asset Health	103	Discrete	291,867	Sub Asset Health	Sub Asset Health	Sub Asset Health	No	0
Purchase Reserve TR 14 MVA 69-13.8 KV	Dist Subs	Sub Asset Health	103	Discrete	2,727	Sub Asset Health	Sub Asset Health	Sub Asset Health	No	0
Fiber Communication Cutover -	Other	Other	103	Discrete	3,728	Other	Other	Other	No	0
NSPM Substation new RTU and FL	Other	Other	103	Discrete	56,987	Other	Other	Other	No	0
Replace Failed Substation Transformers	Dist Subs	Sub Asset Health	103	Discrete	867,768	Sub Asset Health	Sub Asset Health	Sub Asset Health	No	0
Rewind/Replace Failed Transfor	Dist Subs	Sub Asset Health	103	Discrete	9,778	Sub Asset Health	Sub Asset Health	Sub Asset Health	No	0
Frame Relay Replacement - NSPM	Other	Other	103	Discrete	14,545	Other	Other	Other	No	0
NSPM-Dist Sub Communication Eq	Other	Other	103	Discrete	266,634	Other	Other	Other	No	0
MN Infratructure Invest - Sub	Dist Subs	Sub Asset Health	103	Discrete	50,775	Sub Asset Health	Sub Asset Health	Sub Asset Health	No	0
MN-Dist Tools Common	Other	Other	103	Blanket	210,673	Other	Other	Other	No	0
VAR Network Devices	Other	Other	103	Discrete	95,117	Other	Other	Other	No	0
NSM - MN CAPITALIZED ELECTRIC LOCAT	Other	Other	103	Discrete	399,862	Other	Other	Other	No	0
MN-Dist Fleet New Unit Purchase Common	Other	Fleet	103	Discrete	840,667	Fleet	Fleet	Fleet	No	0
Capitalized Locating Cost-Elec	Other	Other	103	Discrete	871,854	Other	Other	Other	No	0
MN-Dist Fleet New Unit Purchase EI Ops	Other	Fleet	103	Discrete	6,238,224	Fleet	Fleet	Fleet	No	0
MN - UG Conversion/Rebuild Blanket	Elec Recon	Elec Asset Health	114	Blanket	3,662,226	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MN - Feeder Cable Replacement Blanket	Elec Recon	Reliability	114	Blanket	1,116,564	Reliability	Reliability	Reliability	No	0
MN - OH Rebuild Blanket	Elec Recon	Elec Asset Health	114	Blanket	1,806,934	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MN - OH New Services Blanket	Elec New Bus	Elec New Service	114	Blanket	487,915	Elec New Service	Elec New Service	Elec New Service	No	0
MN - Line Asset Health WCF Blanket	Elec Recon	Elec Asset Health	114	Blanket	7,034,961	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MN - New Business Network Blanket	Elec New Bus	Elec Capacity	114	Blanket	150,084	Capacity	Capacity	Blanket	No	0
MN - OH Extension Blanket	Elec New Bus	Elec New Service	114	Blanket	2,157,760	Elec New Service	Elec New Service	Elec New Service	No	0
MN - URD Cable Replacement Blanket	Elec Recon	Reliability	114	Blanket	22,254,844	Reliability	Reliability	Reliability	No	0
MN - UG New Services Blanket	Elec New Bus	Elec New Service	114	Blanket	5,890,549	Elec New Service	Elec New Service	Elec New Service	No	0
MN - REMS Blanket	Elec Recon	Reliability	114	Blanket	234,536	Reliability	Reliability	Reliability	No	0

Project Title	Asset Type	Program Type	LOC	SAP Proj Type	2018 YE FCST	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
MN - UG New Street Light Blanket	Elec New Bus	Street Lights	114	Blanket	626,878	Street Lights	Street Lights	Street Lights	No	0
MN - UG Service Conversion Blanket	Elec Recon	Elec Mandates	114	Blanket	463,026	Elec Mandates	Elec Mandates	Elec Mandates	No	0
MN - UG Relocation Blanket	Elec Recon	Elec Mandates	114	Blanket	317,279	Elec Mandates	Elec Mandates	Elec Mandates	No	0
MN - Pole Transfer (3rd Party) Blanket	Elec Recon	Elec Mandates	114	Blanket	511,541	Elec Mandates	Elec Mandates	Elec Mandates	No	0
MN - FPIP Blanket	Elec Recon	Reliability	114	Blanket	904,637	Reliability	Reliability	Reliability	No	0
MN - OH Reinforcement Blanket	Elec New Bus	Elec Capacity	114	Blanket	225,723	Capacity	Capacity	Blanket	No	0
MN - OH Reinforcement Blanket	Elec New Bus	Elec Capacity	114	Blanket	512,189	Capacity	Capacity	Blanket	No	0
MNOH Rebuilds-MN	Elec Recon	Elec Asset Health	114	Blanket	(15,797)	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MN - UG Reinforcement Blanket	Elec New Bus	Elec Capacity	114	Blanket	449,675	Capacity	Capacity	Blanket	No	0
MN LED Streetlight Replacement	Elec New Bus	Street Lights	114	Discrete	10,100,000	Street Lights	Street Lights	Street Lights	No	0
MN LED Post Top Conversion	Elec New Bus	Street Lights	114	Discrete	2,000,253	Street Lights	Street Lights	Street Lights	No	0
Substation Land - MN	Dist Subs	Sub Capacity	114	Discrete	(55,112)	Capacity	Capacity	Blanket	No	0
MINNESOTA POLE INSPECTIONS	Elec Recon	Elec Asset Health	114	Blanket	1,387	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
Distribution CIAC MN Elec	CIAC	CIAC	114	Discrete	2,147	CIAC	CIAC	CIAC	No	0
Minnesota inspect/replace pole	Elec Recon	Elec Asset Health	114	Blanket	14,431	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
Minnesota-Sub Capac Reinforcem	Dist Subs	Sub Capacity	114	Discrete	808,101	Capacity	Capacity	Blanket	No	0
MN - OH Street Light Rebuild Blanket	Elec New Bus	Street Lights	114	Blanket	802,128	Street Lights	Street Lights	Street Lights	No	0
MN - Pole Blanket	Elec Recon	Elec Asset Health	114	Blanket	128,238	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MN - OH New Street Light Blanket	Elec New Bus	Street Lights	114	Blanket	355,233	Street Lights	Street Lights	Street Lights	No	0
MN - OH Services Renewal Blanket	Elec Recon	Elec Asset Health	114	Blanket	201,872	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MN - UG Street Light Rebuild Blanket	Elec New Bus	Street Lights	114	Blanket	1,711,313	Street Lights	Street Lights	Street Lights	No	0
MN - UG Extension Blanket	Elec New Bus	Elec New Service	114	Blanket	15,781,129	Elec New Service	Elec New Service	Elec New Service	No	0
MN Mixed Work Adjustment	Elec Recon	Elec Asset Health	114	Discrete	592,897	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MN - Network Reinforcement Blanket	Elec New Bus	Elec Capacity	114	Blanket	599,041	Capacity	Capacity	Blanket	No	0
MN - OH Relocation Blanket	Elec Recon	Elec Mandates	114	Blanket	3,345,528	Elec Mandates	Elec Mandates	Elec Mandates	No	0
MN - UG Reinforcement Blanket	Elec New Bus	Elec Capacity	114	Blanket	944,926	Capacity	Capacity	Blanket	No	0
MN - Pole Blanket	Elec Recon	Elec Asset Health	114	Blanket	9,641,820	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MN-Electric Meter Blanket	Purchase	Equip Purchase	114	Blanket	5,889,067	Equip Purchase	Equip Purchase	Equip Purchase	No	0
MN - Network Renewal Blanket	Elec Recon	Reliability	114	Blanket	1,378,477	Reliability	Reliability	Reliability	No	0
MN - Feeder Cable Replacement Blanket	Elec Recon	Reliability	114	Blanket	1,404,564	Reliability	Reliability	Reliability	No	0
MINNESOTA MAJOR STORM RECOVERY	Elec Recon	Elec Asset Health	114	Discrete	2,215,053	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MN - OH Relocation Blanket	Elec Recon	Elec Mandates	114	Blanket	5,442,136	Elec Mandates	Elec Mandates	Elec Mandates	No	0
MN - UG Relocation Blanket	Elec Recon	Elec Mandates	114	Blanket	4,042,921	Elec Mandates	Elec Mandates	Elec Mandates	No	0

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MN - OH Rebuild Blanket	Elec Recon	Elec Asset Health	114	Blanket	6,352,022	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MN - UG Services Renewal Blanket	Elec Recon	Elec Asset Health	114	Blanket	4,273,173	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MN Elec Distribution Transformers	Purchase	Equip Purchase	114	Blanket	23,524,389	Equip Purchase	Equip Purchase	Equip Purchase	No	0
Distribution CIAC MN Elec	CIAC	CIAC	141	Discrete	(4,516,712)	CIAC	CIAC	CIAC	No	0
8th Street Relocation VAULTS	Elec Recon	Elec Asset Health	141	Discrete	800,000	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
Customer Redacted	Elec New Bus	Elec Capacity	141	Discrete	(500,000)	Capacity	Capacity	Customer driven	No	0
Customer Redacted	Elec New Bus	Elec Capacity	141	Discrete	(500,000)	Capacity	Capacity	Customer driven	No	0
8th Street Reloc MH and Ductline	Elec Recon	Elec Asset Health	141	Discrete	6,357,079	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MPLS - New UG Network	Elec Recon	Elec Asset Health	141	Discrete	286,641	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MNOH Rebuilds-MN	Elec Recon	Elec Asset Health	141	Blanket	(226,624)	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MNUG Extension-MN	Elec New Bus	Elec New Service	141	Blanket	(144,847)	Elec New Service	Elec New Service	Elec New Service	No	0
Replace 7 CM2 Network Protecto	Elec Recon	Elec Asset Health	141	Discrete	(100,905)	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
Customer Redacted	Dist Subs	Sub Capacity	141	Discrete	(66,873)	Capacity	Capacity	Customer driven	No	0
Relocate 12 feeders for 35W road project	Elec Recon	Elec Mandates	141	Discrete	(621,966)	Elec Mandates	Elec Mandates	Elec Mandates	No	0
TER065, extend TER073 to provide load re	Elec New Bus	Elec Capacity	141	Discrete	18,402	Capacity	Capacity	Capacity	Yes	0
MNUG Network-MN	Elec New Bus	Elec Capacity	141	Blanket	(9,340)	Capacity	Capacity	Blanket	No	0
ALD Sub, Transfer controls	Dist Subs	Sub Asset Health	141	Discrete	195,000	Sub Asset Health	Sub Asset Health	Sub Asset Health	No	0
MNOH Street Lights-MN	Elec New Bus	Street Lights	141	Blanket	(4,795)	Street Lights	Street Lights	Street Lights	No	0
Chicago-Washington Relocation OH/UG Con	Elec Recon	Elec Asset Health	141	Discrete	(4,409)	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MNUG Street Lights-MN	Elec New Bus	Street Lights	141	Blanket	(4,236)	Street Lights	Street Lights	Street Lights	No	0
MNUG Reinforcements-MN	Elec New Bus	Elec Capacity	141	Blanket	(4,074)	Capacity	Capacity	Blanket	No	0
Relocate Ductline MH & Feeder	Elec Recon	Elec Mandates	141	Discrete	(2,943)	Elec Mandates	Elec Mandates	Elec Mandates	No	0
Replace Vault Top	Elec Recon	Elec Asset Health	141	Discrete	170,244	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
Customer Redacted	Elec New Bus	Elec Capacity	141	Discrete	(472)	Capacity	Capacity	Customer driven	No	0
MN-Dist Electric Tools and Equip	Other	Other	141	Blanket	37,616	Other	Other	Other	No	0
MNUG Services-MN	Elec New Bus	Elec New Service	141	Blanket	(233)	Elec New Service	Elec New Service	Elec New Service	No	0
Mpls-Oh Rebuilds	Elec Recon	Elec Asset Health	141	Blanket	(225)	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MNOH Services-MN	Elec New Bus	Elec New Service	141	Blanket	(40)	Elec New Service	Elec New Service	Elec New Service	No	0
5th StreetSwitchgear Cable Work/Replacem	Elec Recon	Elec Asset Health	141	Discrete	310,000	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
Replace 5th St. Fire Doors	Dist Subs	Sub Asset Health	141	Discrete	25,000	Sub Asset Health	Sub Asset Health	Sub Asset Health	No	0
Replace 7 CM2 Network Protecto	Elec Recon	Elec Asset Health	141	Discrete	(277,924)	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MEL073,Cut load to MEL065	Elec New Bus	Elec Capacity	141	Discrete	100,307	Capacity	Capacity	Capacity	Yes	0
Douglas Dr OH-UG Conversion	Elec Recon	Elec Mandates	141	Discrete	(38,692)	Elec Mandates	Elec Mandates	Elec Mandates	No	0

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Golden Valley Road OH to UG	Elec Recon	Elec Asset Health	141	Discrete	296,824	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
Relocate Ductline MH & Feeder	Elec Recon	Elec Mandates	141	Discrete	1,078	Elec Mandates	Elec Mandates	Elec Mandates	No	0
Washington Ave UG Relocation	Elec Recon	Elec Mandates	141	Blanket	1,327	Elec Mandates	Elec Mandates	Elec Mandates	No	0
Crosstown new 13.8kv Sub	Dist Subs	Sub Capacity	141	Discrete	1,575	Capacity	Capacity	Major capacity project	No	0
MNSC Svc Conv-MN	Elec Recon	Elec Mandates	141	Blanket	1,720	Elec Mandates	Elec Mandates	Elec Mandates	No	0
Mpls-Oh Extension	Elec New Bus	Elec New Service	141	Blanket	3,097	Elec New Service	Elec New Service	Elec New Service	No	0
Mpls- New Ug Network	Elec New Bus	Elec Capacity	141	Blanket	5,451	Capacity	Capacity	Blanket	No	0
Customer Redacted	Elec New Bus	Elec Capacity	141	Discrete	89,785	Capacity	Capacity	Customer driven	No	0
MNOH Extension-MN	Elec New Bus	Elec New Service	141	Blanket	14,320	Elec New Service	Elec New Service	Elec New Service	No	0
MN-Dist Electric Tools and Equip	Other	Other	141	Blanket	103,985	Other	Other	Other	No	0
MNUG ConvsrsnsRebuilds-MN	Elec Recon	Elec Asset Health	141	Blanket	29,438	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
Mpls-New Ug Extension	Elec New Bus	Elec New Service	141	Blanket	34,869	Elec New Service	Elec New Service	Elec New Service	No	0
Solar Garden Ext - MPLS	Elec New Bus	Solar	141	Blanket	63,737	Solar	Solar	Solar	No	0
MPLS Network Protector Replacements	Elec Recon	Elec Asset Health	141	Discrete	1,257,047	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MNUG Relocations-MN	Elec Recon	Elec Mandates	141	Blanket	382,063	Elec Mandates	Elec Mandates	Elec Mandates	No	0
Install Fifth Street Switchgea	Dist Subs	Sub Asset Health	141	Discrete	3,466,401	Sub Asset Health	Sub Asset Health	Sub Asset Health	No	0
Extend Service to Aurora Solar	Elec New Bus	Solar	142	Discrete	(151,187)	Solar	Solar	Solar	No	0
Co Rd 30 Road Move	Elec Recon	Elec Mandates	142	Discrete	241,801	Elec Mandates	Elec Mandates	Elec Mandates	No	0
VCR 1670 Stieger Lake Lane OH to UG	Elec Recon	Elec Asset Health	142	Discrete	32,336	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MNOH Rebuilds-MN	Elec Recon	Elec Asset Health	142	Blanket	(11,233)	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
Install new sub Lake Bavaria	Dist Subs	Sub Capacity	142	Discrete	(10,257)	Capacity	Capacity	Capacity	Yes	0
MNUG ConvsrsnsRebuilds-MN	Elec Recon	Elec Asset Health	142	Blanket	(3,411)	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MN-Dist Electric Tools and Equip	Other	Other	142	Blanket	8,700	Other	Other	Other	No	0
MNOH Extension-MN	Elec New Bus	Elec New Service	142	Blanket	(68)	Elec New Service	Elec New Service	Elec New Service	No	0
MNUG Extension-MN	Elec New Bus	Elec New Service	142	Blanket	6	Elec New Service	Elec New Service	Elec New Service	No	0
Install new WCS fdr on WCS TR2	Elec New Bus	Elec Capacity	142	Discrete	584,396	Capacity	Capacity	Capacity	Yes	21.7
MNOH Relocations-MN	Elec Recon	Elec Mandates	142	Blanket	413	Elec Mandates	Elec Mandates	Elec Mandates	No	0
MNSC Svc Conv-MN	Elec Recon	Elec Mandates	142	Blanket	1,510	Elec Mandates	Elec Mandates	Elec Mandates	No	0
MNUG Services-MN	Elec New Bus	Elec New Service	142	Blanket	2,463	Elec New Service	Elec New Service	Elec New Service	No	0
Install 2nd feeder bay at Plat	Dist Subs	Sub Capacity	142	Discrete	3,049	Capacity	Capacity	Customer driven	No	0
MNUG Relocations-MN	Elec Recon	Elec Mandates	142	Blanket	4,482	Elec Mandates	Elec Mandates	Elec Mandates	No	0
Solar Garden Ext - Shorewood	Elec New Bus	Solar	142	Blanket	23,002	Solar	Solar	Solar	No	0
MTK-Woodhill Road-OH to UG	Elec Recon	Elec Asset Health	142	Discrete	77,255	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0

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Install stepdown tie GSL65-GSL342	Elec New Bus	Elec Capacity	142	Discrete	182,871	Capacity	Capacity	Capacity	Yes	0
Install WCS TR2 and 2 fdr bays	Dist Subs	Sub Capacity	142	Discrete	1,128,572	Capacity	Capacity	Capacity	Yes	WCS above
Reinforce GNL072 feeder exit	Elec New Bus	Elec Capacity	142	Discrete	178,621	Capacity	Capacity	Capacity	Yes	4.3
MNUG Street Lights-MN	Elec New Bus	Street Lights	142	Blanket	86,416	Street Lights	Street Lights	Street Lights	No	0
Distribution CIAC MN Elec	CIAC	CIAC	142	Discrete	30,243	CIAC	CIAC	CIAC	No	0
MNOH Rebuilds-MN	Elec Recon	Elec Asset Health	143	Blanket	(78,915)	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
Reinforce HYL feeder exits	Elec New Bus	Elec Capacity	143	Discrete	809,629	Capacity	Capacity	Capacity	Yes	14.3
MNUG Street Lights-MN	Elec New Bus	Street Lights	143	Blanket	(9,133)	Street Lights	Street Lights	Street Lights	No	0
Edina-Ug Conversions/Rebuild	Elec Recon	Elec Asset Health	143	Blanket	(4,965)	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MNUG ConvrnsnsRebuilds-MN	Elec Recon	Elec Asset Health	143	Blanket	(953)	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MNUG Services-MN	Elec New Bus	Elec New Service	143	Blanket	(498)	Elec New Service	Elec New Service	Elec New Service	No	0
MN-Dist Electric Tools and Equip	Other	Other	143	Blanket	22,700	Other	Other	Other	No	0
Reinforce GNL072 equipment in sub	Dist Subs	Sub Capacity	143	Discrete	468,921	Capacity	Capacity	Capacity	Yes	GNL above
Edina-OH to UG Service Conv	Elec Recon	Elec Mandates	143	Blanket	(16)	Elec Mandates	Elec Mandates	Elec Mandates	No	0
Relocate UG and OH Facilities for SWLRT	Elec Recon	Elec Mandates	143	Discrete	1,000,000	Elec Mandates	Elec Mandates	Elec Mandates	No	0
Edina-Oh Relocations	Elec Recon	Elec Mandates	143	Blanket	6	Elec Mandates	Elec Mandates	Elec Mandates	No	0
Edina-Ug Extensions	Elec New Bus	Elec New Service	143	Blanket	13	Elec New Service	Elec New Service	Elec New Service	No	0
Hopkins OH-UG 325 Blake Road N	Elec Recon	Elec Mandates	143	Discrete	655,105	Elec Mandates	Elec Mandates	Elec Mandates	No	0
MNOH Extension-MN	Elec New Bus	Elec New Service	143	Blanket	727	Elec New Service	Elec New Service	Elec New Service	No	0
MNUG Extension-MN	Elec New Bus	Elec New Service	143	Blanket	4,334	Elec New Service	Elec New Service	Elec New Service	No	0
Normandale Blvd - Relocate UG facil	Elec Recon	Elec Mandates	143	Discrete	5,381	Elec Mandates	Elec Mandates	Elec Mandates	No	0
MNUG Relocations-MN	Elec Recon	Elec Mandates	143	Blanket	12,052	Elec Mandates	Elec Mandates	Elec Mandates	No	0
Customer Redacted	Elec New Bus	Elec Capacity	143	Discrete	(370,991)	Capacity	Capacity	Customer driven	No	0
Solar Garden Ext - Edina	Elec New Bus	Solar	143	Blanket	78,313	Solar	Solar	Solar	No	0
Distribution CIAC MN Elec	CIAC	CIAC	143	Discrete	11,254	CIAC	CIAC	CIAC	No	0
OH to UG for CSAH 53 Road Project	Elec Recon	Elec Asset Health	143	Discrete	617,176	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
SE Solar Garden Extensions - E	Elec New Bus	Solar	144	Discrete	(594,538)	Solar	Solar	Solar	No	0
Extend OH Facilities to SE Sol	Elec New Bus	Solar	144	Discrete	(470,201)	Solar	Solar	Solar	No	0
PIP090 Interset Poles	Elec Recon	Elec Asset Health	144	Discrete	300,000	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MNOH Rebuilds-MN	Elec Recon	Elec Asset Health	144	Blanket	(21,213)	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
SSI:Convert Echo 4kV to 23.9kV -dist	Elec Recon	Elec Asset Health	144	Discrete	274,778	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MNUG Reinforcements-MN	Elec New Bus	Elec Capacity	144	Blanket	(1,905)	Capacity	Capacity	Blanket	No	0
Southeast-Ug Services	Elec New Bus	Elec New Service	144	Blanket	(1,786)	Elec New Service	Elec New Service	Elec New Service	No	0

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Add Crystal Foods 62 Feeder	Dist Subs	Sub Capacity	144	Discrete	(1,467)	Capacity	Capacity	Capacity	Yes	0
MNOH Relocations-MN	Elec Recon	Elec Mandates	144	Blanket	(866)	Elec Mandates	Elec Mandates	Elec Mandates	No	0
MNUG Services-MN	Elec New Bus	Elec New Service	144	Blanket	(423)	Elec New Service	Elec New Service	Elec New Service	No	0
Add Eastwood TR3	Dist Subs	Sub Capacity	144	Discrete	1,373,708	Capacity	Capacity	Capacity	Yes	0
MN-Dist Electric Tools and Equip	Other	Other	144	Blanket	37,776	Other	Other	Other	No	0
MNUG ConvsnsRebuilds-MN	Elec Recon	Elec Asset Health	144	Blanket	(6)	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
County 18 Relocation Project	Elec Recon	Elec Mandates	144	Discrete	300,000	Elec Mandates	Elec Mandates	Elec Mandates	No	0
Add new 23.9kV feeder at WAT	Elec New Bus	Elec Capacity	144	Discrete	690,000	Capacity	Asset Health	Asset Health	No	0
Reconductor Credit River 31	Elec New Bus	Elec Capacity	144	Discrete	0	Capacity	Capacity	Capacity	Yes	6.6
Add 2nd 23.9kV Transformer and	Dist Subs	Sub Capacity	144	Discrete	610,234	Capacity	Asset Health	Asset Health	No	0
RDW 301 Potter St Reloc	Elec Recon	Elec Mandates	144	Discrete	250,453	Elec Mandates	Elec Mandates	Elec Mandates	No	0
MNOH Extension-MN	Elec New Bus	Elec New Service	144	Blanket	1,545	Elec New Service	Elec New Service	Elec New Service	No	0
MNOH Reinforcements-MN	Elec New Bus	Elec Capacity	144	Blanket	2,692	Capacity	Capacity	Blanket	No	0
Add Dundas 072 Feeder Bay	Dist Subs	Sub Capacity	144	Discrete	300,631	Capacity	Capacity	Capacity	Yes	15
MNOH Services-MN	Elec New Bus	Elec New Service	144	Blanket	11,415	Elec New Service	Elec New Service	Elec New Service	No	0
MNOH Street Lights-MN	Elec New Bus	Street Lights	144	Blanket	22,291	Street Lights	Street Lights	Street Lights	No	0
Southeast-Ug Conv/Rebuilds	Elec Recon	Elec Asset Health	144	Blanket	34,264	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MNUG Extension-MN	Elec New Bus	Elec New Service	144	Blanket	34,757	Elec New Service	Elec New Service	Elec New Service	No	0
Extend OH Facilities to SE Sol	Elec New Bus	Solar	144	Blanket	45,323	Solar	Solar	Solar	No	0
CLC221 Reinf OH Lines	Elec Recon	Elec Asset Health	144	Discrete	450,000	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
Distribution CIAC MN Elec	CIAC	CIAC	144	Discrete	4,438	CIAC	CIAC	CIAC	No	0
YLM211 and YLM212 Rebuild OH lines	Elec Recon	Elec Asset Health	144	Discrete	499,529	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
Add Dundas 072 Feeder-dist	Elec New Bus	Elec Capacity	144	Discrete	624,990	Capacity	Capacity	Capacity	Yes	DND above
SE Solar Garden Extensions - E	Elec New Bus	Solar	144	Blanket	2,558,106	Solar	Solar	Solar	No	0
MNOH Rebuilds-MN	Elec Recon	Elec Asset Health	147	Blanket	(21,983)	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
Reconfigure feeder ties CNC073	Elec New Bus	Elec Capacity	147	Discrete	(7,553)	Capacity	Capacity	Capacity	Yes	0
Install a 50MVA 115/13.8 kV tr	Dist Subs	Sub Capacity	147	Discrete	99,049	Capacity	Capacity	Transmission driven	No	0
MNOH Relocations-MN	Elec Recon	Elec Mandates	147	Blanket	(1,107)	Elec Mandates	Elec Mandates	Elec Mandates	No	0
MNUG Relocations-MN	Elec Recon	Elec Mandates	147	Blanket	(466)	Elec Mandates	Elec Mandates	Elec Mandates	No	0
Maple Grv- Elec Ug Extension	Elec New Bus	Elec New Service	147	Blanket	(353)	Elec New Service	Elec New Service	Elec New Service	No	0
MN-Dist Electric Tools and Equip	Other	Other	147	Blanket	35,000	Other	Other	Other	No	0
Reconfigure TWL067 feeder taps	Elec New Bus	Elec Capacity	147	Discrete	32,000	Capacity	Capacity	Capacity	Yes	0
MNUG ConvsnsRebuilds-MN	Elec Recon	Elec Asset Health	147	Blanket	606	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0

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MNUG Services-MN	Elec New Bus	Elec New Service	147	Blanket	648	Elec New Service	Elec New Service	Elec New Service	No	0
Hwy 610 UG Feeder Relocation	Elec Recon	Elec Mandates	147	Discrete	923	Elec Mandates	Elec Mandates	Elec Mandates	No	0
MNUG Extension-MN	Elec New Bus	Elec New Service	147	Blanket	4,543	Elec New Service	Elec New Service	Elec New Service	No	0
Bass Lake Road OH-UG	Elec Recon	Elec Asset Health	147	Discrete	(122,089)	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MNUG Street Lights-MN	Elec New Bus	Street Lights	147	Blanket	31,877	Street Lights	Street Lights	Street Lights	No	0
Solar Garden Ext - Maple Grove	Elec New Bus	Solar	147	Blanket	255,450	Solar	Solar	Solar	No	0
Distribution CIAC MN Elec	CIAC	CIAC	147	Discrete	2,481	CIAC	CIAC	CIAC	No	0
Brooklyn Blvd OH to UG Road Project	Elec Recon	Elec Asset Health	147	Discrete	625,000	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
Solar Garden Ext Newport - Ext	Elec New Bus	Solar	150	Blanket	(1,551,517)	Solar	Solar	Solar	No	0
Extend Service to Aurora Solar	Elec New Bus	Solar	150	Discrete	(102,871)	Solar	Solar	Solar	No	0
MNUG ConvrnsnsRebuilds-MN	Elec Recon	Elec Asset Health	150	Blanket	(63,741)	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
Replace Afton TR2 with System Reser	Dist Subs	Sub Asset Health	150	Discrete	280,400	Sub Asset Health	Sub Asset Health	Sub Asset Health	No	0
MNUG Street Lights-MN	Elec New Bus	Street Lights	150	Blanket	(5,501)	Street Lights	Street Lights	Street Lights	No	0
MNUG Services-MN	Elec New Bus	Elec New Service	150	Blanket	(2,263)	Elec New Service	Elec New Service	Elec New Service	No	0
MNUG Relocations-MN	Elec Recon	Elec Mandates	150	Blanket	(1,652)	Elec Mandates	Elec Mandates	Elec Mandates	No	0
MNOH Extension-MN	Elec New Bus	Elec New Service	150	Blanket	(554)	Elec New Service	Elec New Service	Elec New Service	No	0
Install Lone Oak 93-81 Tie	Elec New Bus	Elec Capacity	150	Discrete	430,000	Capacity	Capacity	Capacity	Yes	0
Extend ALK064 Feeder	Elec New Bus	Elec Capacity	150	Discrete	350,000	Capacity	Capacity	Capacity	Yes	0
Add feeder WBP062	Elec New Bus	Elec Capacity	150	Discrete	350,000	Capacity	Capacity	Capacity	Yes	14.9
MN-Dist Electric Tools and Equip	Other	Other	150	Blanket	23,343	Other	Other	Other	No	0
Replace Linde TR1	Dist Subs	Sub Asset Health	150	Discrete	136,759	Sub Asset Health	Sub Asset Health	Sub Asset Health	No	0
Build New CHE065 Feeder Bay	Dist Subs	Sub Capacity	150	Discrete	995	Capacity	Capacity	Capacity	Yes	0
Land for S. Afton sub	Dist Subs	Sub Capacity	150	Discrete	6,528	Capacity	Capacity	Major capacity project	No	0
Install new South Washington ERU Sub	Dist Subs	Sub Capacity	150	Discrete	20,149	Capacity	Capacity	Major capacity project	No	0
MNUG Extension-MN	Elec New Bus	Elec New Service	150	Blanket	24,947	Elec New Service	Elec New Service	Elec New Service	No	0
MNOH Rebuilds-MN	Elec Recon	Elec Asset Health	150	Blanket	72,081	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
Hwy 95 Reconstruction (Manning)	Elec Recon	Elec Mandates	150	Discrete	808,003	Elec Mandates	Elec Mandates	Elec Mandates	No	0
Distribution CIAC MN Elec	CIAC	CIAC	150	Discrete	28,337	CIAC	CIAC	CIAC	No	0
St Paul Tunnel Slab Replacement	Elec Recon	Elec Asset Health	151	Discrete	600,000	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MNOH Rebuilds-MN	Elec Recon	Elec Asset Health	151	Blanket	(19,000)	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
Rebuild Manholes along Jackson	Elec Recon	Elec Asset Health	151	Discrete	(3,006)	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MNUG ConvrnsnsRebuilds-MN	Elec Recon	Elec Asset Health	151	Blanket	(1,910)	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MNUG Network-MN	Elec New Bus	Elec Capacity	151	Blanket	(1,525)	Capacity	Capacity	Blanket	No	0

Project Title	Asset Type	Program Type	LOC	SAP Proj Type	2018 YE FCST	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
St Paul-Ug Network	Elec New Bus	Elec Capacity	151	Blanket	(1,260)	Capacity	Capacity	Blanket	No	0
MLS stadium OH/UG Relocation	Elec Recon	Elec Asset Health	151	Discrete	(1,225)	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
Rebuild Manholes along Jackson	Elec Recon	Elec Asset Health	151	Discrete	(944)	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
McKnight Ave OH Feeder Relocation	Elec Recon	Elec Mandates	151	Discrete	329,275	Elec Mandates	Elec Mandates	Elec Mandates	No	0
STP - New UG Network	Elec Recon	Elec Asset Health	151	Discrete	1,496,447	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MNOH Extension-MN	Elec New Bus	Elec New Service	151	Blanket	(374)	Elec New Service	Elec New Service	Elec New Service	No	0
STP Vault Top Replacement	Elec Recon	Elec Asset Health	151	Discrete	692,863	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MNOH Relocations-MN	Elec Recon	Elec Mandates	151	Blanket	(27)	Elec Mandates	Elec Mandates	Elec Mandates	No	0
SSI: St Clair conversion retire sub	Dist Subs	Sub Asset Health	151	Discrete	200,000	Sub Asset Health	Sub Asset Health	Sub Asset Health	No	0
Transfer WES062 load to WES063	Elec New Bus	Elec Capacity	151	Discrete	200,000	Capacity	Capacity	Capacity	Yes	0
MN-Dist Electric Tools and Equip	Other	Other	151	Blanket	45,330	Other	Other	Other	No	0
St Paul-Oh Rebuilds	Elec Recon	Elec Asset Health	151	Blanket	462	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MN-Dist Electric Tools and Equip	Other	Other	151	Blanket	57,508	Other	Other	Other	No	0
MNUG Relocations-MN	Elec Recon	Elec Mandates	151	Blanket	8,710	Elec Mandates	Elec Mandates	Elec Mandates	No	0
MNOH Services-MN	Elec New Bus	Elec New Service	151	Blanket	11,688	Elec New Service	Elec New Service	Elec New Service	No	0
Distribution CIAC MN Elec	CIAC	CIAC	151	Discrete	730	CIAC	CIAC	CIAC	No	0
Northwest Solar Gardens Ext	Elec New Bus	Solar	154	Blanket	(1,831,329)	Solar	Solar	Solar	No	0
Industrial Sub Redevelopment	Elec Recon	Elec Asset Health	154	Discrete	(272,066)	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MNUG ConvrsnsRebuilds-MN	Elec Recon	Elec Asset Health	154	Blanket	(164,406)	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
Extend facilities to serve NW	Elec New Bus	Solar	154	Discrete	(126,704)	Solar	Solar	Solar	No	0
MNUG Extension-MN	Elec New Bus	Elec New Service	154	Blanket	(34,523)	Elec New Service	Elec New Service	Elec New Service	No	0
Sartel Pinecone Road Reloc Potholes	Elec Recon	Elec Mandates	154	Discrete	320,000	Elec Mandates	Elec Mandates	Elec Mandates	No	0
Install 35KV xfmr Salida Crossing	Dist Subs	Sub Capacity	154	Discrete	1,713,789	Capacity	Capacity	Customer driven	No	0
MNOH Rebuilds-MN	Elec Recon	Elec Asset Health	154	Blanket	(25,963)	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MNUG Street Lights-MN	Elec New Bus	Street Lights	154	Blanket	(21,161)	Street Lights	Street Lights	Street Lights	No	0
Install New Feedr at Sauk River #2	Elec New Bus	Elec Capacity	154	Discrete	579,948	Capacity	Capacity	Capacity	Yes	0
MNOH Street Lights-MN	Elec New Bus	Street Lights	154	Blanket	(6,690)	Street Lights	Street Lights	Street Lights	No	0
SCL 33rd South Improvements	Elec Recon	Elec Mandates	154	Discrete	153,746	Elec Mandates	Elec Mandates	Elec Mandates	No	0
Instl second bank Fiesta City	Dist Subs	Sub Capacity	154	Discrete	(5,841)	Capacity	Capacity	Capacity	Yes	0
MNUG Services-MN	Elec New Bus	Elec New Service	154	Blanket	(1,183)	Elec New Service	Elec New Service	Elec New Service	No	0
Retire EMPsub- Reroute 34.5kV	Elec New Bus	Elec Capacity	154	Discrete	75,000	Capacity	Asset Health	Asset Health	No	0
Salida Crossing feeder SDX311	Elec New Bus	Elec Capacity	154	Discrete	500,000	Capacity	Capacity	Customer driven	No	0
New First Lake sub	Dist Subs	Sub Capacity	154	Discrete	58,115	Capacity	Capacity	Capacity	Yes	0

Project Title	Asset Type	Program Type	LOC	SAP Proj Type	2018 YE FCST	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
MNOH Extension-MN	Elec New Bus	Elec New Service	154	Blanket	195	Elec New Service	Elec New Service	Elec New Service	No	0
MNOH Services-MN	Elec New Bus	Elec New Service	154	Blanket	234	Elec New Service	Elec New Service	Elec New Service	No	0
Atwater Replace ATW062 Breaker	Dist Subs	Sub Capacity	154	Discrete	614	Capacity	Capacity	Customer driven	No	4
Install 2nd transformer at Sauk River	Dist Subs	Sub Capacity	154	Discrete	1,901,974	Capacity	Capacity	Capacity	Yes	0
MN-Dist Electric Tools and Equip	Other	Other	154	Blanket	78,324	Other	Other	Other	No	0
Northwest Solar Garden Extensi	Elec New Bus	Solar	154	Discrete	3,668	Solar	Solar	Solar	No	0
Reinforce Lowry TR1, replace regulators	Dist Subs	Sub Capacity	154	Discrete	480,537	Capacity	Capacity	Capacity	Yes	0
Extend facilities to serve NW	Elec New Bus	Solar	154	Blanket	251,396	Solar	Solar	Solar	No	0
Distribution CIAC MN Elec	CIAC	CIAC	154	Discrete	(16,583)	CIAC	CIAC	CIAC	No	0
Solar Garden Ext - WBL	Elec New Bus	Solar	156	Blanket	(602,791)	Solar	Solar	Solar	No	0
MNOH Rebuilds-MN	Elec Recon	Elec Asset Health	156	Blanket	(62,035)	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MNUG Street Lights-MN	Elec New Bus	Street Lights	156	Blanket	(57,122)	Street Lights	Street Lights	Street Lights	No	0
MNUG Services-MN	Elec New Bus	Elec New Service	156	Blanket	(20,210)	Elec New Service	Elec New Service	Elec New Service	No	0
Inst BYT#2 28 MVA OH fdrs	Elec New Bus	Elec Capacity	156	Discrete	(10,524)	Capacity	Capacity	Capacity	Yes	0
MNOH Relocations-MN	Elec Recon	Elec Mandates	156	Blanket	(470)	Elec Mandates	Elec Mandates	Elec Mandates	No	0
Extend OH facilities to Aurora	Elec New Bus	Solar	156	Discrete	(245)	Solar	Solar	Solar	No	0
MN-Dist Electric Tools and Equip	Other	Other	156	Blanket	22,766	Other	Other	Other	No	0
MNOH Services-MN	Elec New Bus	Elec New Service	156	Blanket	(64)	Elec New Service	Elec New Service	Elec New Service	No	0
White Bear-Oh Rebuilds	Elec Recon	Elec Asset Health	156	Blanket	(4)	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
Move HUG321-WYO032 sd xfmr and convert	Elec New Bus	Elec Capacity	156	Discrete	150,000	Capacity	Capacity	Capacity	Yes	0
MNUG ConvrnsnsRebuilds-MN	Elec Recon	Elec Asset Health	156	Blanket	24	Elec Asset Health	Elec Asset Health	Elec Asset Health	No	0
MNSC Svc Conv-MN	Elec Recon	Elec Mandates	156	Blanket	895	Elec Mandates	Elec Mandates	Elec Mandates	No	0
White Bear Ug Extensions	Elec New Bus	Elec New Service	156	Blanket	2,000	Elec New Service	Elec New Service	Elec New Service	No	0
MNOH Extension-MN	Elec New Bus	Elec New Service	156	Blanket	3,262	Elec New Service	Elec New Service	Elec New Service	No	0
White Bear-Ug Street Lts	Elec New Bus	Street Lights	156	Blanket	7,856	Street Lights	Street Lights	Street Lights	No	0
Inst BYT#2 28 MVA	Dist Subs	Sub Capacity	156	Discrete	10,727	Capacity	Capacity	Capacity	Yes	0
MNUG Extension-MN	Elec New Bus	Elec New Service	156	Blanket	26,799	Elec New Service	Elec New Service	Elec New Service	No	0
Distribution CIAC MN Elec	CIAC	CIAC	156	Discrete	51,626	CIAC	CIAC	CIAC	No	0
MN Solar Garden Trans Line Work	Trans Lines	Solar		Discrete	(18,445)	Solar	Solar	Solar	No	0

Project Title	Loc	SAP Proj Type	Asset Type	Program Type	2019	2020	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
MN-Sub Capacity Reinforcement	103	Discrete	Dist Subs	Sub Capacity	\$300,000	\$300,000	Capacity	Capacity	Blanket	No	0
MN-Sub Equipment Replacement	103	Discrete	Dist Subs	Sub Asset Health	\$2,800,000	\$2,800,000	Sub Asset Health	Sub Asset Health	NA	No	0
MN Subs tools & equip	103	Blanket	Other	Other	\$250,000	\$500,000	Other	Other	NA	No	0
MN Subs Constr tools	103	Blanket	Other	Other	\$38,000	\$76,000	Other	Other	NA	No	0
NSPM Metering Sys-Tools & Equipment Blanket	103	Blanket	Other	Other	\$40,000	\$80,000	Other	Other	NA	No	0
2002 Spec Cnstr - Sm Tool/Equipment Blanket	103	Blanket	Other	Other	\$128,000	\$171,000	Other	Other	NA	No	0
Capitalized Locating Costs-Elec UG MN	103	Discrete	Other	Other	\$400,000	\$400,000	Other	Other	NA	No	0
Capitalized Locating Costs-Elec UG MN	103	Discrete	Other	Other	\$131,000	\$134,000	Other	Other	NA	No	0
Capitalized Locating Costs-Elec UG MN	103	Discrete	Other	Other	\$29,000	\$30,000	Other	Other	NA	No	0
Fleet New Unit Purchase EI Ops-NSM	103	Blanket	Other	Fleet	\$7,270,000	\$10,195,000	Fleet	Fleet	NA	No	0
Fleet New Unit Purchase EI Ops-NSM	103	Blanket	Other	Fleet	\$552,000	\$563,000	Fleet	Fleet	NA	No	0
Fleet New Unit Purchase EI Ops-NSM	103	Blanket	Other	Fleet	\$1,189,000	\$1,213,000	Fleet	Fleet	NA	No	0
Retire 6 NSPM Abandoned Subs	103	Discrete	Dist Subs	Sub Asset Health	\$200,000	\$200,000	Sub Asset Health	Sub Asset Health	NA	No	0
SPCC NSPM Oil Spill Prevention	103	Discrete	Dist Subs	Sub Asset Health	\$1,000,000	\$700,000	Sub Asset Health	Sub Asset Health	NA	No	0
Feeder Breaker Replacement - NSPM	103	Discrete	Dist Subs	Sub Asset Health	\$1,000,000	\$1,000,000	Sub Asset Health	Sub Asset Health	NA	No	0
Substation Switch Replacement	103	Discrete	Dist Subs	Sub Asset Health	\$100,000	\$100,000	Sub Asset Health	Sub Asset Health	NA	No	0
ELR - Substation Relay Funding - NSPM	103	Discrete	Dist Subs	Sub Asset Health	\$300,000	\$300,000	Sub Asset Health	Sub Asset Health	NA	No	0
ELR - Substation Regulator Funding - NSPM	103	Discrete	Dist Subs	Sub Asset Health	\$300,000	\$300,000	Sub Asset Health	Sub Asset Health	NA	No	0
Substation Fence Improvement - NSPM	103	Discrete	Dist Subs	Sub Asset Health	\$250,000	\$250,000	Sub Asset Health	Sub Asset Health	NA	No	0
ELR - NSPM RTU	103	Discrete	Dist Subs	Sub Asset Health	\$120,000	\$120,000	Sub Asset Health	Sub Asset Health	NA	No	0
reserve 70 MVA 115/34.5 kV transformer	103	Discrete	Dist Subs	Sub Asset Health	\$0	\$800,000	Sub Asset Health	Sub Asset Health	NA	No	0
Fiber Communication Cutover	103	Discrete	Other	Other	\$2,000,000	\$2,500,000	Other	Other	NA	No	0
Replace Failed Substation Transformers	103	Discrete	Dist Subs	Sub Asset Health	\$1,500,000	\$2,000,000	Sub Asset Health	Sub Asset Health	NA	No	0
Replace End of Life Substation Batteries	103	Discrete	Dist Subs	Sub Asset Health	\$180,000	\$180,000	Sub Asset Health	Sub Asset Health	NA	No	0
Feeder Load Monitoring DCP Capacity Reinf	103	Discrete	Dist Subs	Sub Capacity	\$1,100,000	\$1,100,000	Capacity	Capacity	Program	No	0
Feeder Load Monitoring COMM - Communica	103	Discrete	Other	Other	\$500,000	\$500,000	Other	Other	NA	No	0
Reserve Transformer 70MVA at 115-34.5kV	103	Discrete	Dist Subs	Sub Asset Health	\$800,000	\$0	Sub Asset Health	Sub Asset Health	NA	No	0
Reserve Transformer 14MVA at 69-13.2kVA	103	Discrete	Dist Subs	Sub Asset Health	\$350,000	\$0	Sub Asset Health	Sub Asset Health	NA	No	0
MN - OH New Street Light Blanket	114	Blanket	Elec New Bus	Street Lights	\$343,000	\$352,000	Street Lights	Street Lights	NA	No	0
MN - UG New Street Light Blanket	114	Blanket	Elec New Bus	Street Lights	\$709,000	\$728,000	Street Lights	Street Lights	NA	No	0
MN - Pole Replacement Blanket	114	Blanket	Elec Recon	Elec Asset Health	\$7,000,000	\$11,000,000	Elec Asset Health	Elec Asset Health	NA	No	0
MN - OH Extension Blanket	114	Blanket	Elec New Bus	Elec New Service	\$2,950,000	\$3,032,000	Elec New Service	Elec New Service	NA	No	0
MN - OH New Services Blanket	114	Blanket	Elec New Bus	Elec New Service	\$3,456,000	\$3,553,000	Elec New Service	Elec New Service	NA	No	0
MN - OH Reloc Tap/Backbone/Sec Blkt	114	Blanket	Elec Recon	Elec Mandates	\$3,323,000	\$3,323,000	Elec Mandates	Elec Mandates	NA	No	0
MN - OH Reloc All Other Type Blkt	114	Blanket	Elec Recon	Elec Mandates	\$2,946,000	\$2,946,000	Elec Mandates	Elec Mandates	NA	No	0

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MN - Mandate WCF Blanket	114	Blanket	Elec Recon	Elec Mandates	\$2,687,000	\$3,068,000	Elec Mandates	Elec Mandates	NA	No	0
MN - OH Rebuild Tap/Backbone/Sec Blkt	114	Blanket	Elec Recon	Elec Asset Health	\$3,380,000	\$3,380,000	Elec Asset Health	Elec Asset Health	NA	No	0
MN - OH Rebuild All Other Type Blkt	114	Blanket	Elec Recon	Elec Asset Health	\$4,865,000	\$4,865,000	Elec Asset Health	Elec Asset Health	NA	No	0
MN - OH Services Renewal Blanket	114	Blanket	Elec Recon	Elec Asset Health	\$6,980,000	\$6,980,000	Elec Asset Health	Elec Asset Health	NA	No	0
MN - REMS Blanket	114	Blanket	Elec Recon	Reliability	\$850,000	\$850,000	Reliability	Reliability	NA	No	0
MN - FPIP Blanket	114	Blanket	Elec Recon	Reliability	\$1,000,000	\$1,000,000	Reliability	Reliability	NA	No	0
MN - OH Reinforce Blkt Tap/Back/Sec	114	Blanket	Elec New Bus	Elec Capacity	\$565,000	\$565,000	Capacity	Capacity	Blanket	No	0
MN - OH Reinforce Blkt All Other	114	Blanket	Elec New Bus	Elec Capacity	\$318,000	\$318,000	Capacity	Capacity	Blanket	No	0
MN - UG Extension Blanket	114	Blanket	Elec New Bus	Elec New Service	\$11,736,000	\$12,065,000	Elec New Service	Elec New Service	NA	No	0
MN - UG New Services Blanket	114	Blanket	Elec New Bus	Elec New Service	\$6,247,000	\$6,422,000	Elec New Service	Elec New Service	NA	No	0
MN - UG Reloc Tap/Backbone/Sec Blkt	114	Blanket	Elec Recon	Elec Mandates	\$2,069,000	\$2,069,000	Elec Mandates	Elec Mandates	NA	No	0
MN - UG Reloc All Other Type Blkt	114	Blanket	Elec Recon	Elec Mandates	\$887,000	\$887,000	Elec Mandates	Elec Mandates	NA	No	0
MN - UG Service Conversion Blanket	114	Blanket	Elec Recon	Elec Mandates	\$962,000	\$962,000	Elec Mandates	Elec Mandates	NA	No	0
MN - UG Conversion/Rebuild Blanket	114	Blanket	Elec Recon	Elec Asset Health	\$35,000	\$35,000	Elec Asset Health	Elec Asset Health	NA	No	0
MN - UG Services Renewal Blanket	114	Blanket	Elec Recon	Elec Asset Health	\$460,000	\$460,000	Elec Asset Health	Elec Asset Health	NA	No	0
MN - Line Asset Health WCF Blanket	114	Blanket	Elec Recon	Elec Asset Health	\$11,000,000	\$11,000,000	Elec Asset Health	Elec Asset Health	NA	No	0
MN - URD Cable Replacement Blanket	114	Blanket	Elec Recon	Reliability	\$15,500,000	\$20,500,000	Reliability	Reliability	NA	No	0
MN - UG Reinforce Blkt Tap/Back/Sec	114	Blanket	Elec New Bus	Elec Capacity	\$184,000	\$184,000	Capacity	Capacity	Blanket	No	0
MN - UG Reinforce Blkt All Other	114	Blanket	Elec New Bus	Elec Capacity	\$276,000	\$276,000	Capacity	Capacity	Blanket	No	0
MN - Line Capacity WCF Blanket	114	Blanket	Elec New Bus	Elec Capacity	\$0	\$600,000	Capacity	Capacity	Blanket	No	0
MN - New Business Network Blanket	114	Blanket	Elec New Bus	Elec Capacity	\$1,251,000	\$1,282,000	Capacity	Capacity	Blanket	No	0
MN - OH Street Light Rebuild Blanket	114	Blanket	Elec New Bus	Street Lights	\$801,000	\$822,000	Street Lights	Street Lights	NA	No	0
MN - UG Street Light Rebuild Blanket	114	Blanket	Elec New Bus	Street Lights	\$768,000	\$788,000	Street Lights	Street Lights	NA	No	0
MN - Feeder Cable Repl Blanket Proactive	114	Blanket	Elec Recon	Reliability	\$4,000,000	\$5,000,000	Reliability	Reliability	NA	No	0
MN - Pole Transfer 3rd Party Blanket	114	Blanket	Elec Recon	Elec Mandates	\$500,000	\$500,000	Elec Mandates	Elec Mandates	NA	No	0
MN LED Post Top Conversion	114	Blanket	Elec New Bus	Street Lights	\$1,000,000	\$2,000,000	Street Lights	Street Lights	NA	No	0
Mpls-Electric Tools & Equip	141	Blanket	Other	Other	\$247,000	\$330,000	Other	Other	NA	No	0
Mpls-Electric Tools & Equip	141	Blanket	Other	Other	\$23,000	\$46,000	Other	Other	NA	No	0
Mpls-Electric Tools & Equip	141	Blanket	Other	Other	\$168,000	\$225,000	Other	Other	NA	No	0
Electric New Construction Contributions in Aid	141	Discret	CIAC	CIAC	(\$1,037,000)	(\$1,074,000)	CIAC	CIAC	NA	No	0
Network Vault Top 735 marquette	141	Discret	Elec Recon	Elec Asset Health	\$200,000	\$750,000	Elec Asset Health	Elec Asset Health	NA	No	0
Hiawatha West HWW TR02 install	141	Discret	Dist Subs	Sub Capacity	\$0	\$100,000	Capacity	Capacity	Capacity	Yes	0
Crosstown new 13.8kv sub 2 fdrs	141	Discret	Elec New Bus	Elec Capacity	\$500,000	\$1,200,000	Capacity	Capacity	Major capacity project	No	0
Crosstown new 13.8kv sub 2 fdrs	141	Discret	Dist Subs	Sub Capacity	\$100,000	\$3,350,000	Capacity	Capacity	Major capacity project	No	0
Install Fifth Street switchgear	141	Discret	Dist Subs	Sub Asset Health	\$2,779,000	\$1,120,000	Sub Asset Health	Sub Asset Health	NA	No	0

Project Title	Loc	SAP Proj Type	Asset Type	Program Type	2019	2020	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
Install Fifth Street switchgear	141	Discret	Elec Recon	Elec Asset Health	\$620,000	\$620,000	Elec Asset Health	Elec Asset Health	NA	No	0
ELP84 - cut to HWW61	141	Discret	Elec New Bus	Elec Capacity	\$0	\$250,000	Capacity	Capacity	Capacity	Yes	0
Relocate UG and OH Facilities for Bottineau L	141	Discret	Elec Recon	Elec Mandates	\$500,000	\$4,500,000	Elec Mandates	Elec Mandates	NA	No	0
100 Hennepin Vault	141	Discret	Elec Recon	Elec Asset Health	\$480,000	\$492,000	Elec Asset Health	Elec Asset Health	NA	No	0
35W Relocation 40th to Franklin	141	Discret	Elec Recon	Elec Mandates	(\$1,000,000)	\$0	Elec Mandates	Elec Mandates	NA	No	0
ALD Sub, Transfer controls to Transm house	141	Discret	Dist Subs	Sub Asset Health	\$1,500,000	\$2,500,000	Sub Asset Health	Sub Asset Health	NA	No	0
TER065, extend TER073 to provide load relief	141	Discret	Elec New Bus	Elec Capacity	\$0	\$150,000	Capacity	Capacity	Capacity	Yes	0
TER066, Extend MST074	141	Discret	Elec New Bus	Elec Capacity	\$0	\$350,000	Capacity	Capacity	Capacity	Yes	0
FST Network RTU Replacement	141	Discret	Elec Recon	Elec Asset Health	\$0	\$200,000	Elec Asset Health	Elec Asset Health	NA	No	0
Minneapolis Mandates	141	Discret	Elec Recon	Elec Mandates	\$10,000,000	\$10,000,000	Elec Mandates	Elec Mandates	NA	No	0
MPLS Network Protector Replacement	141	Discret	Elec Recon	Elec Asset Health	\$600,000	\$1,700,000	Elec Asset Health	Elec Asset Health	NA	No	0
8th Street Relocation Hennepin to Chicago	141	Discret	Elec Recon	Elec Mandates	\$1,800,000	\$0	Elec Mandates	Elec Mandates	NA	No	0
8th Street Relocation Hennepin to Chicago	141	Discret	Elec Recon	Elec Mandates	\$9,636,000	\$0	Elec Mandates	Elec Mandates	NA	No	0
4th St Reloc 2nd Ave N to 4th St S	141	Discret	Elec Recon	Elec Mandates	\$5,000,000	\$5,000,000	Elec Mandates	Elec Mandates	NA	No	0
Relocate UG and OH Facilities for SWLRT - M	141	Discret	Elec Recon	Elec Mandates	\$2,600,000	\$1,800,000	Elec Mandates	Elec Mandates	NA	No	0
Electric New Construction Contributions in Aid	142	Discret	CIAC	CIAC	(\$319,000)	(\$330,000)	CIAC	CIAC	NA	No	0
Electric New Construction Contributions in Aid	143	Discret	CIAC	CIAC	(\$282,000)	(\$292,000)	CIAC	CIAC	NA	No	0
Relocate UG and OH Facilities for SWLRT	143	Discret	Elec Recon	Elec Mandates	\$7,800,000	\$5,400,000	Elec Mandates	Elec Mandates	NA	No	0
Reinforce WSG feeder capacities	143	Discret	Elec New Bus	Elec Capacity	\$0	\$250,000	Capacity	Capacity	Capacity	Yes	11.9
Reinforce WSG feeder capacities	143	Discret	Dist Subs	Sub Capacity	\$0	\$300,000	Capacity	Capacity	Capacity	Yes	WSG above
Upgrade SAV063 and SAV067 feeder capacit	143	Discret	Dist Subs	Sub Capacity	\$0	\$100,000	Capacity	Capacity	Capacity	Yes	0
SSI: Install 12.47kV Zumbrota #2	144	Discret	Dist Subs	Sub Capacity	\$0	\$100,000	Capacity	Capacity	Capacity	Yes	0
Electric New Construction Contributions in Aid	144	Discret	CIAC	CIAC	(\$339,000)	(\$351,000)	CIAC	CIAC	NA	No	0
Southeast-Elec Tools & Equip	144	Blanket	Other	Other	\$148,000	\$198,000	Other	Other	NA	No	0
Reinforce FAPTR1 69/13.8kV to 28MVA and a	144	Discret	Dist Subs	Sub Capacity	\$100,000	\$1,200,000	Capacity	Capacity	Capacity	Yes	14
Reinforce FAPTR1 69/13.8kV to 28MVA and a	144	Discret	Elec New Bus	Elec Capacity	\$0	\$400,000	Capacity	Capacity	Capacity	Yes	FAP above
Reinforce Kasson TR1 and Fdrs	144	Discret	Dist Subs	Sub Capacity	\$0	\$100,000	Capacity	Capacity	Capacity	Yes	0
SSI: Add 2nd 23.9kV Transformer and feeder	144	Discret	Dist Subs	Sub Asset Health	\$1,600,000	\$0	Sub Asset Health	Sub Asset Health	NA	No	0
SSI: Add 2nd 23.9kV Transformer and feeder	144	Discret	Elec Recon	Elec Asset Health	\$350,000	\$0	Elec Asset Health	Elec Asset Health	NA	No	0
YLM211 and YLM212 Reinf OH lines	144	Discret	Elec Recon	Elec Asset Health	\$500,000	\$1,450,000	Elec Asset Health	Elec Asset Health	NA	No	0
CLC221 Reinf OH Lines	144	Discret	Elec Recon	Elec Asset Health	\$800,000	\$600,000	Elec Asset Health	Elec Asset Health	NA	No	0
Upgrade Medford Junction TR1 to 14MVA	144	Discret	Dist Subs	Sub Capacity	\$100,000	\$2,200,000	Capacity	Capacity	Capacity	Yes	0
Upgrade VESTR1 and add VES022	144	Discret	Dist Subs	Sub Capacity	\$0	\$100,000	Capacity	Capacity	Capacity	Yes	0
Electric New Construction Contributions in Aid	147	Discret	CIAC	CIAC	(\$336,000)	(\$350,000)	CIAC	CIAC	NA	No	0
Convert Hollydale Sub to 115kV	147	Discret	Dist Subs	Sub Capacity	\$1,500,000	\$5,000,000	Capacity	Capacity	Transmission driven	No	0

Project Title	Loc	SAP Proj Type	Asset Type	Program Type	2019	2020	Original Xcel Classification	New Xcel Classification	VOS Classification	Capacity related VOS Yes or No	Added Capacity (in MW)
Convert Hollydale Sub to 115kV	147	Discret	Elec New Bus	Elec Capacity	\$1,500,000	\$3,000,000	Capacity	Capacity	Transmission driven	No	0
Relocate UG and OH Facilities for Bottineau L	147	Discret	Elec Recon	Elec Mandates	\$500,000	\$4,500,000	Elec Mandates	Elec Mandates	NA	No	0
Electric New Construction Contributions in Aid	150	Discret	CIAC	CIAC	(\$379,000)	(\$391,000)	CIAC	CIAC	NA	No	0
Add 70MVA 115/34.5kV Rosemount TR2	150	Discret	Dist Subs	Sub Capacity	\$100,000	\$1,100,000	Capacity	Capacity	Capacity	Yes	0
Add STY TR3 and two new feeders	150	Discret	Elec New Bus	Elec Capacity	\$0	\$1,600,000	Capacity	Capacity	Capacity	Yes	0
Add STY TR3 and two new feeders	150	Discret	Dist Subs	Sub Capacity	\$100,000	\$1,200,000	Capacity	Capacity	Capacity	Yes	0
New South Afton Substation and feeders	150	Discret	Dist Subs	Sub Capacity	\$500,000	\$4,000,000	Capacity	Capacity	Major capacity project	No	AFT below
New South Afton Substation and feeders	150	Discret	Elec New Bus	Elec Capacity	\$0	\$400,000	Capacity	Capacity	Major capacity project	No	69.6
Replace Linde TR1	150	Discret	Dist Subs	Sub Asset Health	\$3,100,000	\$0	Sub Asset Health	Sub Asset Health	NA	No	0
TAM - Upgrade RRK TR2	150	Discret	Dist Subs	Sub Capacity	\$50,000	\$670,000	Capacity	Capacity	Transmission driven	No	0
Electric New Construction Contributions in Aid	151	Discret	CIAC	CIAC	(\$289,000)	(\$305,000)	CIAC	CIAC	NA	No	0
St Paul-Elec Tools & Equip	151	Blanket	Other	Other	\$189,000	\$252,000	Other	Other	NA	No	0
STP Vault Top Replacement	151	Discret	Elec Recon	Elec Asset Health	\$300,000	\$1,000,000	Elec Asset Health	Elec Asset Health	NA	No	0
St. Paul UG Network	151	Discret	Elec Recon	Elec Asset Health	\$238,000	\$244,000	Elec Asset Health	Elec Asset Health	NA	No	0
STP Network Protector Replacements	151	Discret	Elec Recon	Elec Asset Health	\$600,000	\$1,225,000	Elec Asset Health	Elec Asset Health	NA	No	0
New MPK075-GPH061 Feeder Tie	151	Discret	Elec New Bus	Elec Capacity	\$0	\$250,000	Capacity	Capacity	Capacity	Yes	0
Northwest-Elec Tools/Equip	154	Blanket	Other	Other	\$74,000	\$99,000	Other	Other	NA	No	0
Electric New Construction Contributions in Aid	154	Discret	CIAC	CIAC	(\$312,000)	(\$323,000)	CIAC	CIAC	NA	No	0
Install 35KV transformer at Salida Crossing	154	Discret	Dist Subs	Sub Capacity	\$1,500,000	\$0	Capacity	Capacity	Customer driven	No	SDX below
Install 35KV transformer at Salida Crossing	154	Discret	Elec New Bus	Elec Capacity	\$1,100,000	\$0	Capacity	Capacity	Customer driven	No	104.4
Install 2nd transformer at Sauk River	154	Discret	Elec New Bus	Elec Capacity	\$600,000	\$0	Capacity	Capacity	Capacity	Yes	34.8
Install 2nd transformer at Sauk River	154	Discret	Dist Subs	Sub Capacity	\$945,000	\$0	Capacity	Capacity	Capacity	Yes	SAK above
SSI: Convert Bird Island 4kV to 13.8kV	154	Discret	Dist Subs	Sub Asset Health	\$0	\$100,000	Sub Asset Health	Sub Asset Health	NA	No	0
SSI: Convert Echo 4kV to 23.9kV	154	Discret	Dist Subs	Sub Asset Health	\$75,000	\$0	Sub Asset Health	Sub Asset Health	NA	No	0
Reinforce SCL TR2 to 70MVA	154	Discret	Dist Subs	Sub Capacity	\$2,000,000	\$0	Capacity	Capacity	Capacity	Yes	0
Install new FIC fdr to serve MTV area	154	Discret	Dist Subs	Sub Capacity	\$0	\$475,000	Capacity	Capacity	Capacity	Yes	12.6
Install new FIC fdr to serve MTV area	154	Discret	Elec New Bus	Elec Capacity	\$0	\$500,000	Capacity	Capacity	Capacity	Yes	FIC above
Reinforce Glenwood sub equipment	154	Discret	Dist Subs	Sub Capacity	\$0	\$40,000	Capacity	Capacity	Capacity	Yes	0
Electric New Construction Contributions in Aid	156	Discret	CIAC	CIAC	(\$308,000)	(\$317,000)	CIAC	CIAC	NA	No	0
Install new KOL feeder to serve OAD	156	Discret	Elec New Bus	Elec Capacity	\$0	\$800,000	Capacity	Capacity	Capacity	Yes	13.9
Add 2 New Baytown Feeders	156	Discret	Elec New Bus	Elec Capacity	\$0	\$1,200,000	Capacity	Capacity	Capacity	Yes	0

To get to total Electric Distribution Spend (as per filed historically)

Sort Asset Type: Dist Subs, Elec New Bus, Elec Recon

Sort Program Type: All - but remove Solar

To get Capacity Only projects (as per filed historically):

Sort Asset Type: Dist Subs, Elec New Bus, Elec Recon

Sort Program Type: Elec Capacity, Sub Capacity

Sort B/C/S: Only show S (which means specifics) OR SAP Proj Type: Only show Discrete

Sort Loc: To only show the 9 MN planning areas, so exclude 103, 114, 117, 118 which are general to the entire state