

**Xcel Energy State of Minnesota Electric Jurisdiction
2019 - 2022 Project List with Risk Score
Ranked Projects**

IDP Category	Project Category	Mitigation	Mitigation Title	Risk Score	Sum of Allocated 2019	Sum of Allocated 2020	Sum of Allocated 2021	Sum of Allocated 2022	Sum of Allocated 2023
IDP Asset Health	Blanket	E114.018176	MN - OH Rebuild Tap/Backbone/Sec Blkt	NA	3,380,000	3,380,000	3,380,000	3,380,000	3,380,000
		E114.018177	MN - OH Rebuild All Other Type Blkt	NA	4,865,000	4,865,000	4,865,000	4,865,000	4,865,000
		E114.018178	MN - OH Services Renewal Blanket	NA	6,980,000	6,980,000	6,980,000	6,980,000	6,980,000
		E114.018274	MN - UG Conversion/Rebuild Blanket	NA	35,000	35,000	35,000	35,000	35,000
		E114.018275	MN - UG Services Renewal Blanket	NA	460,000	460,000	460,000	460,000	460,000
		E114.018354	MN - OH Street Light Rebuild Blanket	NA	801,000	822,000	844,000	865,000	888,000
		E114.018355	MN - UG Street Light Rebuild Blanket	NA	768,000	788,000	809,000	830,000	852,000
		E141.017359	MPLS - New UG Network	NA	480,000	492,000	504,000	516,000	516,000
		E151.016697	St. Paul UG Network	NA	238,000	244,000	250,000	256,000	256,000
		E103.001736	MN-Sub Equipment Replacement	NA	2,800,000	2,800,000	2,800,000	2,800,000	2,800,000
		E103.012618	Reserve 69/13.8 kV 28 MVA Transformer - NSPM	NA	0	0	0	550,000	0
		E103.013577	reserve 70 MVA 115/34.5 kV transformer	NA	0	800,000	0	0	0
		E103.016837	Replace Failed Substation Transformers	NA	1,500,000	2,000,000	2,000,000	3,000,000	3,000,000
		E103.019028	Reserve Transformer 70MVA at 115-34.5kV	NA	800,000	0	0	0	0
		E103.019030	Reserve Transformer 14MVA at 69-13.2kVA	NA	350,000	0	0	0	0
	Program	E103.006458	Retire 6 NSPM Abandoned Subs	NA	200,000	200,000	200,000	200,000	200,000
		E103.009150	SPCC NSPM Oil Spill Prevention	NA	1,000,000	700,000	0	0	0
		E103.011890	Feeder Breaker Replacement - NSPM	NA	1,000,000	1,000,000	2,700,000	3,250,000	3,250,000
		E103.011891	Substation Switch Replacement	NA	100,000	100,000	300,000	300,000	300,000
		E103.012586	ELR - Substation Relay Funding - NSPM	NA	300,000	300,000	750,000	1,000,000	1,000,000
		E103.012603	ELR - Substation Regulator Funding - NSPM	NA	300,000	300,000	300,000	450,000	450,000
		E103.012606	Substation Fence Improvement - NSPM	NA	250,000	250,000	750,000	750,000	750,000
		E103.012612	Substation Transformer Replacements - NSPM	NA	0	0	1,500,000	3,000,000	3,000,000
		E103.013521	ELR - NSPM RTU	NA	104,555	104,577	418,060	627,033	626,605
		E103.017653	Replace End of Life Substation Batteries	NA	180,000	180,000	780,000	780,000	780,000
		E114.018129	MN - Pole Replacement Blanket	NA	7,000,000	11,000,000	12,000,000	12,000,000	12,000,000
		E141.001664	Network Vault Top 735 marquette	NA	200,000	750,000	1,000,000	1,000,000	1,000,000
		E141.017906	FST Network RTU Replacement	NA	0	200,000	0	0	0
		E141.018795	MPLS Network Protector Replacement	NA	600,000	1,700,000	1,800,000	1,800,000	1,500,000
		E151.013639	STP Vault Top Replacement	NA	300,000	1,000,000	1,000,000	1,000,000	800,000
	Project	E151.018796	STP Network Protector Replacements	NA	600,000	1,225,000	1,108,000	1,300,000	400,000
		E141.012673	Install Fifth Street switchgear	NA	3,399,000	1,740,000	0	0	0
		E141.017673	ALD Sub, Transfer controls to Transm house	NA	1,500,000	2,500,000	2,500,000	0	0
		E144.000791	SSI: Install La Crescent TR2 13.8kV 14 MVA	NA	0	0	0	0	300,000
		E144.000793	SSI: Install 12.47kV Zumbrota #2	NA	0	0	150,000	0	0
		E144.011180	SSI: Upgrade Clark's Grove to 23.9kV	NA	0	0	0	100,000	2,000,000
		E144.013448	SSI: Add 2nd 23.9kV Transformer and feeder at Waterville	NA	1,950,000	0	0	0	0
		E144.013600	SSI: Convert Butterfield from 4kV to 13.8kV	NA	0	0	100,000	2,700,000	0
		E144.013622	SSI: Convert Lafayette 4kV	NA	0	0	100,000	1,950,000	0
		E144.017589	YLM211 and YLM212 Reinf OH lines	NA	500,000	1,450,000	1,450,000	1,400,000	0
		E144.018411	CLC221 Reinf OH Lines	NA	800,000	600,000	0	0	0
		E150.018891	Replace Linde TR1	NA	3,100,000	0	0	0	0
		E154.013603	SSI: Convert Bird Island 4kV to 13.8kV	NA	0	100,000	2,450,000	0	0
		E154.013605	SSI: Convert GLD021 4kV area to 12.5kV	NA	0	0	0	150,000	0
		E154.013611	SSI: Convert Echo 4kV to 23.9kV	NA	75,000	0	0	0	0
E154.013613	SSI: Convert Belgrade 4kV to 13.8kV	NA	0	0	100,000	2,600,000	0		
E154.013633	SSI: Convert Hector 4kV to 13.8kV	NA	0	0	0	100,000	2,700,000		
E154.013635	SSI: Convert Sacred Heart 4kV to 23.9kV	NA	0	0	0	250,000	0		
IDP Capacity	WCF	E114.018276	MN - Line Asset Health WCF Blanket	NA	11,000,000	11,000,000	10,113,000	11,774,000	11,600,000
		E103.001735	MN-Sub Capacity Reinforcement	NA	300,000	300,000	300,000	300,000	300,000
		E114.018181	MN - OH Reinforce Blkt Tap/Back/Sec	NA	565,000	565,000	565,000	565,000	565,000
		E114.018182	MN - OH Reinforce Blkt All Other	NA	318,000	318,000	318,000	318,000	318,000
		E114.018279	MN - UG Reinforce Blkt Tap/Back/Sec	NA	184,000	184,000	184,000	184,000	184,000
		E114.018280	MN - UG Reinforce Blkt All Other	NA	276,000	276,000	276,000	276,000	276,000
		E114.018342	MN - New Business Network Blanket	NA	1,251,000	1,282,000	1,313,000	1,345,000	1,345,000
		E103.018426	Feeder Load Monitoring DCP Capacity Reinforcement	NA	900,000	1,100,000	1,800,000	2,500,000	2,500,000
		E141.009145	Install 13.8kV 50 MVA Midtown TR2	0.1	0	0	100,000	1,900,000	0
		E141.009146	Hiawatha West HWW TR02 install	0.1	0	100,000	1,400,000	0	0
	E141.010910	Crosstown new 13.8kv sub 2 fdrs	6.0	600,000	4,550,000	4,650,000	0	0	
	E141.011164	North Main- I694 & Main St 13.8kV sub-2 Fdrs	0.3	0	0	0	100,000	3,900,000	
	E141.015729	Moore Lake new feeder	2.7	0	0	0	990,000	0	
	E141.015818	ELP84 - cut to HWW61	14.2	0	250,000	0	0	0	
	E141.017687	TER065, extend TER073 to provide load relief	40.5	0	150,000	0	0	0	
	E141.017739	MST075, Extend MST074 to relieve MST075 and TER066	10.3	0	0	300,000	0	0	
	E141.017747	TER066, Extend MST074	30.3	0	350,000	0	0	0	
	E142.011024	Reinf MND TRs and WWK SD	0.2	0	0	0	550,000	0	
	E142.011721	Install 2nd transformer at Orono	0.3	0	0	100,000	2,900,000	0	
	E143.016724	Reinforce WSG feeder capacities	8.7	0	550,000	0	0	0	
E143.016727	Install tie for EBL064	0.9	0	0	0	150,000	0		
E143.016730	Install tie for WIL081	10.5	0	0	300,000	0	0		
E143.017702	Install new VKG feeder	1.1	0	0	0	1,000,000	1,500,000		
E143.017703	Blue Lake reinforce banks to 50MVA and add feeder	0.3	0	0	0	100,000	3,100,000		

**Xcel Energy State of Minnesota Electric Jurisdiction
2019 - 2022 Project List with Risk Score
Ranked Projects**

		E143.019054	Upgrade EDA062 feeder capacity	2.5	0	0	0	500,000	0
		E143.019055	Upgrade SAV063 and SAV067 feeder capacities	1.4	0	100,000	1,100,000	0	0
		E144.000791	SSI: Install La Crescent TR2 13.8kV 14 MVA	0.6	0	0	0	300,000	1,610,000
		E144.000793	SSI: Install 12.47kV Zumbrota #2	3.1	0	100,000	2,020,000	0	0
		E144.002712	Add 3rd feeder to Goodview Bank #2	3.6	0	0	1,100,000	0	0
		E144.007793	Reinforce FAPTR1 69/13.8kV to 28MVA and add 1 feeder	7.0	100,000	1,600,000	0	0	0
		E144.010920	Reinforce Burnside TR2 to 28MVA	1.5	0	0	100,000	2,600,000	0
		E144.013436	Reinforce Kasson TR1 and Fdrs	2.6	0	100,000	2,050,000	0	0
		E144.013520	Add EWITR2 and one feeder	0.5	0	0	0	100,000	2,900,000
		E144.014484	Serve Essig from Local REA	1.6	0	0	0	225,000	0
		E144.016592	Upgrade Bushings and CTs on SIP TRs	0.5	0	0	0	0	100,000
		E144.017637	Transfer Load from ESW062 to SMT061	2.2	0	0	100,000	0	0
		E144.018970	Upgrade Medford Junction TR1 to 14MVA	3.8	100,000	2,200,000	0	0	0
		E144.018971	Upgrade VESTR1 and add VES022	1.7	0	100,000	2,650,000	0	0
		E147.011058	Convert Hollydale Sub to 115kV	Non-Discretionary	3,000,000	8,000,000	5,800,000	0	0
		E147.012463	Install feeder tie for CRL033	3.5	0	0	0	1,250,000	0
		E147.014465	Upgrade BRP062 feeder capacity	0.3	0	0	0	0	200,000
		E147.015637	Install tie for OSS063	12.6	0	0	100,000	0	0
		E147.016645	Install section switch for BRP072	1.3	0	0	0	50,000	0
		E147.017741	Upgrade OSS062 feeder capacity and transfer	1.3	0	0	0	200,000	0
		E147.019056	Upgrade BCR062 feeder capacity	6.4	0	0	250,000	0	0
		E150.010904	Add 70MVA 115/34.5kV Rosemount TR2	1.7	100,000	1,100,000	2,200,000	0	0
		E150.010914	Add STY TR3 and two new feeders	11.5	100,000	2,800,000	4,000,000	0	0
		E150.012576	New South Afton Substation and feeders	16.2	500,000	4,400,000	0	0	0
		E150.015662	Build New CHE065 Feeder	4.7	0	0	0	1,200,000	0
		E150.018967	Extend RRK063	4.1	0	0	0	100,000	0
		E150.019059	TAM - Upgrade RRK TR2	Non-Discretionary	50,000	670,000	0	0	0
		E151.012409	Add TR3 and feeders at WES	3.1	0	0	2,200,000	3,050,000	0
		E151.018961	New MPK075-GPH061 Feeder Tie	1.3	0	250,000	0	0	0
		E154.003375	Install 35KV transformer at Salida Crossing	625.3	2,600,000	0	0	0	0
		E154.003388	Reinforce Montrose transformer to 14 MVA	0.3	0	0	0	100,000	1,000,000
		E154.010157	Install 2nd transformer at Albany	0.6	0	0	0	100,000	2,050,000
		E154.010161	Install 2nd transformer at Sauk River	0.4	1,545,000	0	0	0	0
		E154.015728	Reinforce SCL TR2 to 70MVA	0.1	2,000,000	0	0	0	0
		E154.016772	Install new FIC fdr to serve MTV area	6.9	0	975,000	0	0	0
		E154.018960	Reinforce Glenwood sub equipment	6.9	0	40,000	600,000	0	0
		E156.007927	Install TR3 70 MVA GLK Sub	1.1	0	0	0	1,800,000	1,800,000
		E156.010177	Install new KOL feeder to serve OAD	8.5	0	800,000	0	0	0
		E156.011061	Install new Wyoming feeder	4.6	0	0	1,650,000	0	0
		E156.011749	Reinforce LEX ties	0.3	0	0	0	0	950,000
		E156.011752	Install new LIN fdr	0.6	0	0	0	0	650,000
		E156.011764	Reinf sub equip on TLK TR1 and TR2	0.3	0	0	0	0	200,000
		E156.011874	Install new sub near Birch	1.3	0	0	0	0	1,470,284
		E156.013545	Expand AHI substation	1.8	0	0	100,000	3,500,000	3,500,000
		E156.014539	Reinforce feeder ties for TLK	0.7	0	0	0	400,000	0
		E156.015749	Add 2 New Baytown Feeders	16.8	0	1,200,000	600,000	0	0
		E156.015811	Reinforce TLK66 feeder ties to OAD	0.6	0	0	0	275,000	0
		E114.018281	MN - Line Capacity WCF Blanket	NA	0	600,000	2,000,000	4,758,000	5,000,000
		E114.018173	MN - OH Reloc Tap/Backbone/Sec Blkt	NA	3,323,000	3,323,000	3,323,000	3,323,000	3,323,000
		E114.018174	MN - OH Reloc All Other Type Blkt	NA	2,946,000	2,946,000	2,946,000	2,946,000	2,946,000
		E114.018271	MN - UG Reloc Tap/Backbone/Sec Blkt	NA	2,069,000	2,069,000	2,069,000	2,069,000	2,069,000
		E114.018272	MN - UG Reloc All Other Type Blkt	NA	887,000	887,000	887,000	887,000	887,000
		E114.018273	MN - UG Service Conversion Blanket	NA	962,000	962,000	962,000	962,000	962,000
		E114.018479	MN - Pole Transfer 3rd Party Blanket	NA	500,000	500,000	500,000	500,000	500,000
		E141.016840	Relocate UG and OH Facilities for Bottineau LRT - Minneapolis	NA	500,000	4,500,000	4,000,000	0	0
		E141.017519	35W Relocation 40th to Franklin	NA	(1,000,000)	0	0	0	0
		E141.018906	8th Street Relocation Hennepin to Chicago	NA	11,436,000	0	0	0	0
		E141.018907	4th St Reloc 2nd Ave N to 4th St S	NA	5,000,000	5,000,000	0	0	0
		E141.019192	Relocate UG and OH Facilities for SWLRT - Minneapolis	NA	2,600,000	1,800,000	(150,000)	0	0
		E143.013574	Relocate UG and OH Facilities for SWLRT	NA	7,800,000	5,400,000	(450,000)	0	0
		E147.016563	Relocate UG and OH Facilities for Bottineau LRT - Maple Grove	NA	500,000	4,500,000	4,000,000	0	0
		E114.018175	MN - Mandate WCF Blanket	NA	2,687,000	3,068,000	8,000,000	12,000,000	12,000,000
		E141.017929	Minneapolis Mandates	NA	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000
		E103.001040	MN-Electric Meter Blanket	NA	5,885,000	5,141,000	3,904,000	3,450,000	3,142,000
		E114.018045	MN - OH New Street Light Blanket	NA	343,000	352,000	362,000	371,000	380,000
		E114.018046	MN - UG New Street Light Blanket	NA	709,000	728,000	747,000	767,000	787,000
		E114.018171	MN - OH Extension Blanket	NA	2,950,000	3,032,000	3,117,000	3,203,000	3,291,000
		E114.018172	MN - OH New Services Blanket	NA	3,456,000	3,553,000	3,653,000	3,753,000	3,856,000
		E114.018268	MN - UG Extension Blanket	NA	11,736,000	12,065,000	12,403,000	12,744,000	13,094,000
		E114.018269	MN - UG New Services Blanket	NA	6,247,000	6,422,000	6,602,000	6,783,000	6,970,000
		E114.018792	MN LED Post Top Conversion	NA	0	2,000,000	0	0	0
		E141.001140	Electric New Construction Contributions in Aid	NA	(1,037,000)	(1,074,000)	(1,066,000)	(1,098,000)	(1,098,000)
		E142.001155	Electric New Construction Contributions in Aid	NA	(319,000)	(330,000)	(328,000)	(338,000)	(338,000)

**Xcel Energy State of Minnesota Electric Jurisdiction
2019 - 2022 Project List with Risk Score
Ranked Projects**

		E143.001170	Electric New Construction Contributions in Aid	NA	(282,000)	(292,000)	(290,000)	(299,000)	(299,000)
		E144.001183	Electric New Construction Contributions in Aid	NA	(339,000)	(351,000)	(348,000)	(358,000)	(358,000)
		E147.001216	Electric New Construction Contributions in Aid	NA	(336,000)	(350,000)	(346,000)	(356,000)	(356,000)
		E150.001230	Electric New Construction Contributions in Aid	NA	(379,000)	(391,000)	(389,000)	(401,000)	(401,000)
		E151.001245	Electric New Construction Contributions in Aid	NA	(289,000)	(305,000)	(300,000)	(309,000)	(309,000)
		E154.001279	Electric New Construction Contributions in Aid	NA	(312,000)	(323,000)	(320,000)	(330,000)	(330,000)
		E156.001291	Electric New Construction Contributions in Aid	NA	(308,000)	(317,000)	(315,000)	(324,000)	(324,000)
IDP Other	Blanket	C115.006786	Logistics-NSPM Tools Blanket	NA	76,114	168,288	249,079	253,861	253,689
		E103.001041	MN-New Bus Transformer	NA	17,224,000	17,867,000	18,254,000	18,546,000	18,624,000
		E103.002265	Capitalized Locating Costs-Elec UG MN	NA	400,000	400,000	400,000	400,000	400,000
		E153.011934	Logistics-NSPM Tools Blanket - SD	NA	1,743	3,486	4,355	4,354	4,351
	Program	C103.002156	Transportation-NSPM Fleet Blanket	NA	2,126,000	2,386,458	1,925,959	1,810,100	1,809,126
		C145.008061	Fleet New Unit Purchase Common Ops-NSPM-North Dakota	NA	9,956	9,956	9,951	9,950	9,944
		E103.003617	Fleet New Unit Purchase El Ops-NSM	NA	4,977,514	7,819,042	15,132,744	16,220,122	6,722,391
		E103.018427	Feeder Load Monitoring COMM - Communication/Other	NA	435,644	435,739	609,671	870,880	870,284
	Project	E103.014467	Fiber Communication Cutover	NA	1,742,576	2,178,696	2,177,398	1,741,759	0
	Tool	C103.002113	Transportation-NSPM Tools	NA	80,120	160,274	240,269	240,247	240,084
		C103.013336	NSPM Locating - Tools and Equipment	NA	30,446	60,904	90,501	90,493	90,432
		E103.001738	MN-Dist Sub Tool & Equip	NA	200,396	435,739	435,480	435,440	435,142
		E103.001739	MN-Construct Dist Sub Tool & Equip	NA	33,109	66,232	66,193	66,187	66,142
		E103.002099	NSPM Metering Sys-Tools & Equip	NA	34,852	69,718	69,677	69,670	69,623
		E103.002100	EUC-Tools & Equip	NA	102,812	149,023	148,934	148,920	148,819
		E141.001133	HUGO Training Center Tools & Equip	NA	20,040	40,088	59,225	59,220	59,179
			Metro West-Electric Tools & Equip	NA	197,782	287,588	287,416	287,390	287,194
			Trouble Electric Tools & Equip	NA	133,307	196,083	195,966	195,948	195,814
		E144.001190	Southeast-Elec Tools & Equip	NA	124,594	172,553	172,450	172,434	172,316
		E145.001206	ND-Electric Tools & Equip	NA	53,149	70,590	70,548	70,541	70,493
		E151.001252	Metro East-Elec Tools & Equip	NA	147,248	219,613	219,482	219,462	219,312
		E153.001257	SD-Tools & Equip	NA	76,673	101,963	101,902	101,893	101,823
		E154.001273	Northwest-Elec Tools/Equip	NA	64,475	86,276	86,225	86,217	86,158
IDP Reliability	Program	E114.018179	MN - REMS Blanket	NA	850,000	850,000	850,000	850,000	850,000
		E114.018180	MN - FPIP Blanket	NA	1,000,000	1,000,000	1,500,000	1,500,000	1,500,000
		E114.018277	MN - URD Cable Replacement Blanket	NA	15,500,000	20,500,000	21,000,000	21,000,000	21,000,000
		E114.018471	MN - Feeder Cable Repl Blanket Proactive	NA	4,000,000	5,000,000	5,000,000	5,000,000	5,000,000
		E114.019275	MN Incremental Customer Investment	NA	0	0	85,000,000	88,000,000	40,000,000
Grand Total					199,982,105	230,325,887	322,252,485	325,100,121	261,787,204