

IDP Categories	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2014-2018	2019-2024
Age-Related Replacements and Asset Renewal	\$39.6	\$48.1	\$59.4	\$56.7	\$65.5	\$72.5	\$87.2	\$79.5	\$78.3	\$79.7	\$81.0	\$269.4	\$478.2
System Expansion or Upgrades for Capacity	\$33.3	\$21.3	\$23.3	\$16.4	\$15.1	\$19.5	\$44.4	\$40.1	\$32.3	\$32.9	\$37.9	\$109.4	\$207.1
Projects related to Local (or other) Government-Requirements	\$15.2	\$19.6	\$30.2	\$13.7	\$28.8	\$31.3	\$28.9	\$29.4	\$28.5	\$29.0	\$29.2	\$107.4	\$176.3
Metering	\$4.8	\$5.2	\$5.1	\$6.8	\$5.9	\$6.7	\$5.5	\$4.3	\$3.5	\$2.3	\$2.3	\$27.7	\$24.6
New Customer Projects and New Revenue	\$26.4	\$30.2	\$32.4	\$45.0	\$41.6	\$34.8	\$35.6	\$39.3	\$39.3	\$39.4	\$39.4	\$175.7	\$227.7
Non-Investment	(\$3.2)	(\$5.6)	\$4.7	\$4.7	(\$15.5)	(\$4.9)	(\$3.7)	(\$3.7)	(\$3.8)	(\$3.8)	(\$3.8)	(\$14.9)	(\$23.8)
Other (includes Fleet add in)	\$25.3	\$32.4	\$30.9	\$35.0	\$39.3	\$26.7	\$38.3	\$39.7	\$43.2	\$35.4	\$35.1	\$162.8	\$218.3
System Expansion or Upgrades for Reliability and Power Quality	\$14.4	\$15.6	\$20.2	\$22.8	\$24.4	\$19.8	\$21.5	\$114.7	\$117.4	\$117.3	\$117.3	\$97.4	\$508.0
Grid Modernization and Pilot Projects	\$0.0	\$0.0	\$0.0	\$0.0	\$0.4	\$4.6	\$19.9	\$49.3	\$141.7	\$152.4	\$76.7	\$0.4	\$444.6
	\$155.7	\$166.7	\$206.2	\$201.0	\$205.6	\$210.9	\$277.5	\$392.6	\$480.3	\$484.6	\$415.2	\$935.3	\$2,261.1

IDP Category	Mitigation Number	Mitigation Name	2014 Expenditures
Age-Related Replacements and Asset Renewal			
	E114.006616	MN Replace/Reinforce Non-Compliant Poles	5,602,656
	E114.005559	MN Major Storm Recovery BlanketMN	3,885,299
	E103.012612	ELR MN Sub TRs	2,404,986
	E103.014456	Replace 5 distribution breakers at Merriam Park	2,291,856
	E103.004666	Hollydale - Replace Failed 69kV/13.	2,022,002
	E103.011423	RCSII Replacement Project - NSPM	1,894,812
	E141.013426	LaSalle Paving Project	1,793,870
	E154.011354	Install Cottonwood stepdowns to enable retirement of sub	1,511,143
	E141.001141	Mpls-OH Rebuilds	1,459,982
	E141.013910	St. Anthony Falls Hydro 15kV Cable Replacement	1,350,698
	E143.014668	WIL086 OH to UG Conversion	1,346,695
	E151.016150	Hamline Station	981,499
	E151.013595	SSI: Convert St Clair 4kV to 13.8kV	957,944
	E151.012282	Reconductor RAM73 Mainline	918,667
	E103.014355	Rewind failed 115KV - 13.8KV 70MVA transformer	816,306
	E103.009150	SPCC NSPM Oil Spill Prevention	731,800
	E144.013060	M&R Dairy Rebuild	723,884
	E147.004711	Funding for CO109 Gravel Pit phase	713,162
	E154.012309	Remove Eden Valley to Watkins line	648,212
	E143.013748	SAV River Crossing	602,051
	E153.012431	Convert SOS 4kV to 13.8kV	596,249
	E141.013429	Hwy 7 and Louisiana OH to UG Relocate	570,794
	E142.009661	OH Rebuild Mtka increase	559,804
	E150.013542	Woodbury Drive Road Move 3000ft Feeder at Bailey	554,279
	E156.001292	White Bear-OH Rebuilds	502,240
	E143.014769	Savage, Replace failed TR2	486,449
	E147.001209	Maple Grv-OH Rebuilds	461,085
	E147.015160	Replace failed PKL TR3	435,543
	E142.004727	Co Rd 109, Phase 2-UG Conv	373,268
	E141.014168	OH to UG County Rd 9 - Xerxes to France	354,049
	E141.001664	ELR MPLS Vault Tops	286,484
	E154.013609	SSI: Add 3 phase line on east ALB22	251,464
	E156.008247	WBL Tap Cables	247,555
	E151.013631	Replace Network Protectors - STP	235,831
	E141.015088	Chicago Ave and 4th St Conversion	203,396
	E151.013639	ELR STP Vault Tops	202,398
	E150.014414	Replace Koch TR16 with reserve	184,678
	E103.011891	ELR MN Sub Switches	169,135
	E147.002745	RM: Relocate OH mainline for Hwy 241 from Co Rd 19 to McIver Ave NE: St Michael MN: LAP311	148,229
	E141.010286	Replace Dustproof protectors	144,820
	E103.013521	ELR MN Sub RTUs	113,103
	E103.013804	Upgrade fence at Buffalo Lake	96,361
	E154.011251	Sauk Rapids OH to UG 2010	92,688
	E151.012985	SSI: Conv 4kV btwn Holly and Ashland	87,841
	E150.003703	Woodbury Lakes OH to UG conversion	83,918
	E142.013678	Sparrow Rd, City of Minnetonka, OH to UG	80,975
	E154.014732	Sauk Rapids overhead to underground	59,495
	E154.008992	SSI: Osakis Conversion from 4kV to 12.5kV	30,363
	E103.012839	Tap Cable Injection	22,218
	E144.013597	Byron Frontage Road - OH to UG	16,804
	E103.012603	ELR MN Sub Regulators	15,955
	E141.012673	Replace Fifth Street FST Switchgear	3,066
	E144.015240	Replace Jordan Sub's Aging Equipment	957
	E103.013059	Purchase 50 MVA reserve transformer	820
	E154.013988	T: Annandale Town Rebuild	524
	E154.013611	SSI: Convert Echo 4kV to 23.9kV	407
	E103.013576	reserve 70 MVA 115/13.8 kV transformer	290
	E103.007227	NSPM Dist Line Parent for CRFS Tracker Work Orders	(74)
	NA	1997 PRIVATE PARTY FORCED RECO	(539)
	NA	2000 Electric Reconstruction -	(3,659)
	E143.014095	Shady Oak OH to UG Conversion	(79,230)
	E151.014770	Lillydale UG Conversion	(226,982)
	E142.014722	County Road 101 OH-UG	(440,707)
System Expansion or Upgrades for Capacity			
	E141.007514	Oakland Install 13.8kV #1#2 50MVA 8 fdrs	5,090,844
	E147.002788	Install Basset Creek BCRTR2 50MVA	4,943,663
	E150.010916	Convert Chemolite to 13.8kV	3,356,768
	E144.013396	Add 28MVA WASTR3 and 1 fdr	2,632,033
	E141.007874	Inst 13.8kV Hiawatha #1 50MVA	2,434,649
	E144.010890	Reinforce Lake Emily TR1 to 14MVA	1,598,876
	E154.012597	Upgrade Freeport substation to 12.5kV	1,290,644
	E144.013502	Reinforce 3 miles of SMT082	1,057,039
	E147.013543	Install BCR new feeder at Basset Creek	1,004,077
	E153.012465	Install tie for SOS062	949,596
	E141.002682	Replace Failed Network Protectors on FST Network	931,156

IDP Category	Mitigation Number	Mitigation Name	2014 Expenditures
	E144.013934	Reinforce 3.5 miles of LAE061	857,469
	E141.017361	JAPS-OLSON 7500 Excelsior Blvd	699,339
	E154.008992	SSI: Osakis Conversion from 4kV to 12.5kV	664,296
	E151.011613	Rebuild Public Health Vault	547,683
	E144.012835	Reconductor 2 mi SCH211 feeder.	499,371
	E141.014051	Velo Residential Building - Vault	468,906
	E150.012453	Replace RRR TR1 with 50MVA and add one feeder	414,082
	E156.010172	Install new feeder at RAM	401,266
	E154.006387	New First Lake substation in Monticello, MN	298,659
	E151.011622	Rebuild Shaft Hole & Replace Cables	297,480
	E156.008860	Install switches on OAD075 and transfer load to relieve NOL	285,179
	E141.014356	Hampton Inn Ductline	242,525
	E141.014357	Hampton Inn Vault	235,289
	E151.010808	Install DBL082 feeder	234,634
	E141.014950	4 Marquette Ave - New Vault	222,233
	E143.001172	Edina-OH Reinforcements	197,716
	E151.002440	Extend MPK66 to US Bank east, ATO	168,936
	E141.015808	Cascade load relief to MDT	153,422
	E154.007052	Extend 3 phase to new development in Sartell - 50th st	145,532
	E147.001219	Maple Grv-UG Reinforcements	142,359
	E150.008740	Reconductor & Reinsulated CGR71 to AFT322	129,763
	E151.011161	New Ductline on 5th btwn Broadway & Robert	128,483
	E141.011698	Indiana-IDA064 new reinforce	117,796
	E141.014961	401 Nicollet - New Vault	109,829
	E151.012435	Reinforce DBL062	91,828
	E154.012593	Reinforce SDX TR1	81,406
	E150.014028	Flint Hills Refinery New 34.5kV Primary Service off RMT311, to be paid by customer.	64,208
	E156.007929	Install #2 at Long Lake normal load serving	63,239
	E156.012599	Install new fder tie for KOL64	62,869
	E103.008083	Environmental Work NSPM-EL	61,873
	E142.011357	Convert Orono to 115 kV	59,892
	E143.010967	Viking new sub 4 fdrs	56,667
	E114.015137	Aldrich - PT Addition - Parent already created	55,808
	E151.012987	SSI: Convert STR006	54,076
	E151.001248	St Paul-OH Reinforcements	52,595
	E150.012312	Replace PMC on CGR64 with PMH-9	47,181
	E147.011058	Plymouth-Area Power Grid Upgrades	43,478
	E150.010914	Install Stockyards STY TR3 & Feeders	39,373
	E144.001187	Southeast-UG Reinforcements	39,037
	E144.012984	SSI: Convert Waldorf Distribution	32,862
	E143.013500	Extend WSG062 to relieve WSG072	27,033
	E144.013448	SSI: Add 2nd 23.9kV Transformer and feeder at Waterville	26,356
	E141.013735	Nicollet Residence	25,678
	E142.014709	T: High side rebuild at BLC due to SWTC	22,649
	E142.004532	Chaska Sub FDR61 - Reinforcement Pr	21,796
	E147.012675	HOL061 3 Phase Upgrade	19,748
	E141.014694	U of M CHP Express Feeders	19,601
	E142.009045	Install Bluff Creek 115/13.8kV 50MVA TR#3-CANCELLED	15,315
	E141.014517	New ELP feeder	7,200
	E144.012973	Install Cap Bank at Crystal Foods	1,731
	E141.013130	Whole Foods - 222 Hennepin	1,567
	E144.010887	Install Dundas TR2 28MVA 69/13.8kV	1,304
	NA	Misc Tools and Equipment	1,061
	NA	Substation Land - ND	626
	NA	RESTORATION FOR ALL METR	409
	E141.013905	Construct ductline along Portland from MDT Sub to 27th	199
	E141.013010	New Feeder to UofM Fulton Switchstation	128
	E144.012111	Upgrade Buffalo Lake sub from 4kV to 15kV	31
	NA	Whole Foods - 222 Hennepin	19
	E103.013568	Rewind 69/12.5 kV 28 MVA	7
	E142.009048	Rebuild Chaska substation	(106)
	E156.010207	Install new HUG312 fdr at Hugo	(199)
	E142.011133	Transfer Plato load	(300)
	E141.010254	Marshall-RIV062 Convert4kV	(1,993)
	NA	Install two Ald fds	(3,949)
	E154.001282	Northwest-UG Reinforcement	(9,018)
	E142.013189	Bluff Creek reinf LV bushings on TR1 and TR2	(10,919)
	E143.007500	Install new feeder from East Bloomington Substation to the HHH Terminal @ MSP Airport	(16,167)
	E147.010067	Install Elm Creek TR#3 (115/13.8kV)	(45,209)
	E143.013101	United Health Shady Oak Road Project	(68,286)
	E103.012099	Capitalized-MN-Sales Tax Rfd - Elec	(572,872)
Projects related to Local (or other) Government-Requirements			
	E141.013815	Centerpoint 2nd St N Relocation	1,903,144
	E151.015043	Snelling Bridge Relocation	1,292,236
	E156.013070	St Croix River Bridge	1,259,015
	E150.014165	Hwy 149 & 55 Road Move Eagan Relocate 6 feeders	1,231,203
	E156.014239	RAM071 - Cty Rd B Road Work Maplewood	872,471

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	E144.012864	County Road 20 Road Move	752,438
	E143.014406	Shady Oak Conversion 212 Crossing	703,151
	E154.007065	Hwy 101 and County Rd 36 Overhead Relocation	605,602
	E141.015206	St. Anthony Bridge Relocation	575,776
	E103.011368	NSPM facility transfers from 3rd Party Owned Poles	481,344
	E144.013680	Dresbach I-90 Re-Route 3 Mi OH	433,975
	E142.008544	County Rd 17, Delano, Road Move	415,801
	E154.014754	County Rd 3 Sauk Rapids	406,157
	E143.005672	EDP/ANDERSON LAKES & HWY 169/RELOCA	375,768
	E151.016971	White Bear Ave Relocation	356,980
	E144.001189	Southeast-UG Relocations	344,628
	E154.014057	Rogers Hwy 101 Relocation	337,144
	E143.013003	Hwy 5 and Hwy 13 Relocations	298,305
	E147.004557	Medina-Hwy 101 Overhead Fdr-RM	295,633
	E143.000159	Road Widening Minnetonka CR5 and CR73	244,673
	E141.002215	Mpls-UG Service Conv	195,634
	E142.011113	Required distribution move due to phase I SWTC transmission rebuild	172,780
	E150.009111	Relc TLK77 OH on Century for Cty Rd Widening	168,727
	E151.001251	St Paul-UG Relocations	166,901
	E147.001221	Maple Grv-UG Relocations	154,367
	E141.016028	5601 Lake St PMH Relocation	144,937
	E142.001160	Mntka-UG Relocations	139,404
	E143.002217	Edina-UG Service Conv	132,003
	E151.002224	St Paul-UG Service Conv	121,229
	E151.012334	35E Relocation	114,317
	E150.013029	Cedar Grove PKWY Relocate 5000ft of 750AL	100,581
	E156.002218	White Bear-UG Service Conv	93,480
	E154.001284	Northwest-UG Relocations	91,470
	E143.010876	Hwy 494/169 Interchange rebuild	83,368
	E143.013104	MOA Relocation	78,375
	E142.002216	Mntka-UG Service Conv	65,760
	E156.001296	White Bear-UG Relocations	59,749
	E151.014237	Saints Ballpark OH-UG DBL063	46,617
	E150.002222	Newport-UG Service Conv	31,581
	E147.002219	Maple Grv-UG Service Conv	28,430
	E154.002220	Northwest-UG Service Conv	24,675
	E144.002223	Southeast-UG Service Conv	23,401
	E156.014013	Arsenal removal and relocation of facilities. AH1024	4,566
	E144.014340	Morton County Road 2 Relocation	151
	E144.013661	West Concord CSAH 24 3-mile road grade	(818)
	E150.013782	Hastings Hwy 61 Bridge Replacement	(1,141)
	NA	Lrt - Dist Work	(4,771)
	E151.007769	Relocate for LRT in St Paul	(5,597)
	E141.013428	Relocate Ductline for New Viking Stadium	(16,664)
	E150.011418	Hastings Bridge Re-route ductbank for pier #5 Hwy 61	(46,947)
	E151.008736	RM- Relocate Feeders Rice St	(151,286)
Metering			
	E103.001040	MN-Electric Meter Blanket	4,770,055
New Customer Projects and New Revenue			
	E150.005996	Newport-UG Extensions	2,917,400
	E147.014741	Olympus Technologies Service	1,982,014
	E141.017362	365 Nicollet Construction Power	1,806,914
	E144.003805	Wanamingo - Pine Ridge development 82 units	1,742,497
	E156.001299	White Bear-UG Extensions	1,732,704
	E143.002572	Install Feeder tie to eliminate N-1 on WIL86 4.9 MVA	1,333,016
	E156.001288	White Bear-UG Services	1,241,904
	E150.001226	Newport-UG Services	1,120,037
	E142.010321	New Germany Trophy Lake 45 lot URD	965,900
	E154.001271	Northwest-UG Extensions	896,149
	E142.001152	Mntka-New UG Services	718,541
	E144.001179	Southeast-UG Services	694,270
	E154.001277	Northwest-New UG Services	688,333
	E142.014619	Woodland Cove JT Development, Minnetrista, MN	682,566
	E151.015041	Port Authority Barge Road	612,764
	E147.001214	Maple Grv-New Elec UG Services	605,802
	E143.001169	Edina-New UG Street Lights	513,642
	E141.017364	1910 Queen Ave N Extension	481,446
	E156.001286	White Bear-OH Extension	469,811
	E141.001135	Mpls-OH Services	465,044
	E144.002761	Switch load to new Summit Ave Bank #2 Feeder	419,758
	E143.001167	Edina-UG Services	382,522
	E141.010560	Serve Children's Hosiptal Addition (ATO and Pri Svc)	373,181
	E150.001229	Newport-UG Streetlights	308,194
	E154.011195	Paynesville Mastermark Plastic NB Convert to 35kV	262,554
	E144.001181	Southeast-OH Streetlights	262,291
	E144.001182	Southeast-UG Streetlights	258,214
	E141.001138	Mpls-New OH Street Lights	251,827

IDP Category	Mitigation Number	Mitigation Name	2014 Expenditures
	E156.001290	White Bear-UG Street Lts	249,983
	E142.014720	Wayzata Bay Development	182,952
	E147.014733	Oxbow Cove Development	168,216
	E156.001555	Upgrade feeder exit with 1000 Al and reactor	158,590
	E144.001178	Southeast-OH Services	152,366
	E151.001240	St Paul-OH Services	137,536
	E154.001274	Northwest-New OH Street Lights	135,961
	E156.001287	White Bear-OH Services	122,417
	E151.001243	St Paul-OH Streetlights	110,857
	E141.001139	Mpls-New UG Street Lights	109,071
	E150.014745	Dakota Aggregate-RMT312 Extend OH 5500ft	105,549
	E147.001215	Maple Grv-New UG Street Lights	104,971
	E154.001276	Northwest-New OH Services	97,268
	E142.001150	Mntka-OH Extension	93,754
	E143.001166	Edina-New OH Services	92,070
	E147.014055	Highgrove 3rd Addition	91,770
	E150.001225	Newport-OH Services	79,817
	E154.001278	Northwest-New UG Street Lights	76,297
	E141.000640	Install a new tie to PKL85 to eliminate N-1 on MEL65	71,015
	E143.002573	Install switches to eliminate N-1 on WIL77 4 MVA	57,974
	E151.001241	St Paul-UG Services	47,109
	E156.001289	White Bear-OH Street Lights	46,908
	E150.001228	Newport-OH Streetlights	44,600
	E142.001151	Mntka-OH Services	42,388
	E143.001168	Edina-New OH Street Lights	41,811
	E147.001213	Maple Grv-OH Services	29,739
	E147.001211	Maple Grv-New OH Street Lights	28,924
	E142.001153	Mntka-New OH Street Lights	24,836
	NA	North Dakota/MN - UG Extension	12,486
	E151.001244	St Paul-UG Street Lights	2,530
	NA	1999 ELECTRIC NEW BUSINESS - N	(1,232)
	E141.003614	Street Lighting,Poles,Luminair	(1,714)
	NA	2-NEW SOU FDRS-DIST WORK	(10,491)
	NA	2000 Electric New Business - S	(10,719)
	E142.001154	Mntka-New UG Street Lights	(20,292)
	E143.013750	MAC Dual Source HHH Term	(30,124)
	E143.013752	MAC NE Vault	(111,904)
	E141.015202	500 and 600 4th St S Extension to Wells Fargo	(282,093)
Non-Investment			
	E114.010645	Clearing WO for CRS credits	270,630
	NA	Misc Non-Investment	48,244
	E143.001170	Electric New Construction Contributions in Aid	(76,588)
	E154.001279	Electric New Construction Contributions in Aid	(131,627)
	E151.001245	Electric New Construction Contributions in Aid	(188,939)
	E144.001183	Electric New Construction Contributions in Aid	(233,800)
	E142.001155	Electric New Construction Contributions in Aid	(246,271)
	E156.001291	Electric New Construction Contributions in Aid	(352,141)
	E147.001216	Electric New Construction Contributions in Aid	(367,591)
	E150.001230	Electric New Construction Contributions in Aid	(480,775)
	E141.001140	Electric New Construction Contributions in Aid	(1,486,094)
Other			
	E103.001041	MN-New Bus Transformer	20,505,396
	NA	Fleet Purchases	4,285,240
	E103.010660	VAR System Project	773,836
	E103.011405	Install feeder load monitoring at selected subs	472,543
	E103.001738	MN Subs tools & equip	398,535
	E103.002265	Capitalized Locating Costs-Elec UG MN	337,870
	E103.010365	NSPM General Equipment - Communications	299,216
	E141.001133	Mpls-Electric Tools & Equip	159,388
	E114.006438	Intelliteam SG Rollout	146,712
	E103.002100	2002 Spec Cnstr - Sm Tool/Equipment Blanket for NSPM	135,640
	E103.013581	Remote Fault Indication and Load Monitors	119,417
	C103.002113	Tools & Equipment-Transportation Blanket	117,139
	E103.001739	MN Subs Constr tools	115,260
	E154.001273	Northwest-Elec Tools/Equip	84,198
	NA	Misc Tools and Equipment	79,274
	C103.013336	Tools and Equipment - Locating	70,795
	E144.001190	Southeast-Elec Tools & Equip	66,505
	C115.006786	Logistics-NSPM Tools Blanket	65,633
	E151.001252	St Paul-Elec Tools & Equip	63,878
	E153.001257	SD-Tools & Equip	53,803
	E147.001210	Maple Grv-Electric Tools & Equip	49,405
	E103.002099	NSPM Metering Sys-Tools & Equipment Blanket	34,898
	E145.001206	ND-Electric Tools & Equip	34,209
	E141.003695	Univ of MN Lease for Ductline/Reimbursement	28,848
	E143.001164	Edina-Elect Tool/Equip	26,222
	E150.001223	Newport-Elec Tool/Equip	25,418

IDP Category	Mitigation Number	Mitigation Name	2014 Expenditures
	E156.001297	White Bear-Electric Tools & Eq	25,203
	E103.013567	Install feeder load monitoring at selected subs	18,442
	E103.011254	Substation Asset Sales for NSM	18,000
	E103.001040	MN-Electric Meter Blanket	13,697
	E103.013585	Substation new RTU and FLM	12,237
	E103.012825	Electric Franchise Renewal	12,211
	E142.001149	Mntka-Elec Tools/Equip	9,297
	NA	Misc Non-Investment	7,076
	E103.012099	Capitalized-MN-Sales Tax Rfd - Elec	(3,390,290)
System Expansion or Upgrades for Reliability and Power Quality			
	E103.003453	Tap Cable Replacement 2nd Tier Minnesota	11,644,908
	E103.003452	Mainline Cable Replacement - Reactive - NSPM	1,406,697
	E114.007693	Reliability Monitoring System (REMS): MN	514,700
	E114.013511	Install Automated Switches to Improve Performance - MN	400,239
	E103.001044	NSPM-Poor Performing Fdr Blanket	236,476
	E103.009970	Mainline Cable Replacement - Proactive 2nd Tier - NSPM	106,728
	E142.012191	Reliability Upgrades (REMS) to BLC063 feeder	95,176
Grand Total			155,747,681

IDP Category	Mitigation Number	Mitigation Name	2015 Expenditures
Age-Related Replacements and Asset Renewal			
	E114.006616	MN Replace/Reinforce Non-Compliant Poles	8,301,322
	E114.005559	MN Major Storm Recovery BlanketMN	6,572,816
	E103.004666	Hollydale - Replace Failed 69kV/13.	3,072,366
	E147.004711	Funding for CO109 Gravel Pit phase	2,470,468
	E103.014456	Replace 5 distribution breakers at Merriam Park	2,227,623
	E141.013910	St. Anthony Falls Hydro 15kV Cable Replacement	1,984,266
	E154.011354	Install Cottonwood stepdowns to enable retirement of sub	1,493,469
	E141.001141	Mpls-OH Rebuilds	1,474,723
	E151.012282	Reconductor RAM73 Mainline	1,449,388
	E103.013576	reserve 70 MVA 115/13.8 kV transformer	1,320,329
	E103.012612	ELR MN Sub TRs	1,104,591
	E153.012431	Convert SOS 4kV to 13.8kV	1,091,565
	E103.014355	Rewind failed 115KV - 13.8KV 70MVA transformer	1,054,910
	E142.009661	OH Rebuild Mtka increase	980,025
	E151.013631	Replace Network Protectors - STP	867,073
	E143.014668	WIL086 OH to UG Conversion	826,619
	E103.011423	RCSII Replacement Project - NSPM	820,598
	E151.013595	SSI: Convert St Clair 4kV to 13.8kV	739,079
	E147.001209	Maple Grv-OH Rebuilds	703,410
	E154.012309	Remove Eden Valley to Watkins line	701,990
	E151.016150	Hamline Station	694,531
	E103.009150	SPCC NSPM Oil Spill Prevention	687,821
	E150.003703	Woodbury Lakes OH to UG conversion	657,074
	E103.015161	Purchase 50 MVA reserve transformer	649,558
	E156.001292	White Bear-OH Rebuilds	576,102
	E154.015412	Franklin TR4 Replacement	563,179
	E143.013748	SAV River Crossing	541,815
	E144.013060	M&R Dairy Rebuild	534,740
	E103.012603	ELR MN Sub Regulators	489,492
	E150.013542	Woodbury Drive Road Move 3000ft Feeder at Bailey	472,377
	E154.013608	SSI: Convert Spicer area from 12.5kV to 34.5kV	427,741
	E141.015959	Apache TR 1 Emergency Replacement	364,389
	E103.015305	7 MVA Spare	312,197
	E142.004727	Co Rd 109, Phase 2-UG Conv	278,938
	E141.001664	ELR MPLS Vault Tops	225,286
	E147.002745	RM: Relocate OH mainline for Hwy 241 from Co Rd 19 to McIver Ave NE: St Michael MN: LAP311	222,067
	E103.013521	ELR MN Sub RTUs	216,983
	E103.011891	ELR MN Sub Switches	215,798
	E144.015240	Replace Jordan Sub's Aging Equipment	182,303
	E103.013804	Upgrade fence at Buffalo Lake	178,524
	E151.013639	ELR STP Vault Tops	137,659
	E141.015353	Replace Failed WRR TR3	135,415
	E141.010286	Replace Dustproof protectors	121,122
	E156.008247	WBL Tap Cables	108,843
	E151.016446	Jackson St Rebuild	65,459
	E145.019635	ND Substation Fence Improvement	62,129
	E103.013059	Purchase 50 MVA reserve transformer	56,742
	E147.015160	Replace failed PKL TR3	25,440
	E143.014769	Savage, Replace failed TR2	24,607
	E141.012673	Replace Fifth Street FST Switchgear	21,174
	E103.016067	New 70 MVA reserve TR 115/13.8 kV	2,854
	E103.007227	NSPM Dist Line Parent for CRFS Tracker Work Orders	74
	E150.014414	Replace Koch TR16 with reserve	63
	E103.012839	Tap Cable Injection	(347)
	E151.012985	SSI: Conv 4kV btwn Holly and Ashland	(415)
	NA	Re route main St Ductline to v	(1,901)
	E154.014732	Sauk Rapids overhead to underground	(40,973)
	E154.016227	Freeport to Black Oak Rebuild	(339,524)
System Expansion or Upgrades for Capacity			
	E154.006387	New First Lake substation in Monticello, MN	6,469,203
	E154.002521	Install second bank at Fiesta City	1,866,061
	E156.010172	Install new feeder at RAM	1,865,055
	E144.013445	Add 50MVA Eastwood TR3 and feeders	1,708,296
	E153.012465	Install tie for SOS062	967,668
	E141.002682	Replace Failed Network Protectors on FST Network	739,305
	E142.013447	Install TR at new Hazeltine sub	674,232
	E141.016066	Minnehaha Ductline Extension	669,824

IDP Category	Mitigation Number	Mitigation Name	2015 Expenditures
	E151.012407	Transfer Load from DBL067	637,184
	E144.013438	Reinforce Sibley Park Feeder Exits	480,251
	E141.011698	Indiana-IDA064 new reinforce	402,799
	E141.013905	Construct ductline along Portland from MDT Sub to 27th	395,967
	E147.002788	Install Basset Creek BCRTR2 50MVA	393,782
	E151.011161	New Ductline on 5th btwn Broadway & Robert	306,817
	E141.014517	New ELP feeder	303,967
	E147.013543	Install BCR new feeder at Basset Creek	303,492
	E141.007874	Inst 13.8kV Hiawatha #1 50MVA	294,764
	E154.014561	Remove and Retire Empire Park substation	263,581
	E150.008740	Reconductor & Reinsulated CGR71 to AFT322	240,698
	E141.017361	JAPS-OLSON 7500 Excelsior Blvd	231,506
	E151.011613	Rebuild Public Health Vault	229,562
	E154.015394	Install new feeder MNI073	229,085
	E141.014950	4 Marquette Ave - New Vault	222,041
	E150.010906	Vermillion River 63	203,379
	E141.014961	401 Nicollet - New Vault	202,145
	E150.010916	Convert Chemolite to 13.8kV	193,467
	E151.002440	Extend MPK66 to US Bank east, ATO	190,062
	E156.008860	Install switches on OAD075 and transfer load to relieve NOL	189,108
	E103.008083	Environmental Work NSPM-EL	158,782
	E151.001248	St Paul-OH Reinforcements	124,843
	E154.012597	Upgrade Freeport substation to 12.5kV	119,453
	E103.014467	Sub Fiber Communication Cutover	111,858
	E142.014709	T: High side rebuild at BLC due to SWTC	104,672
	E150.012453	Replace RRK TR1 with 50MVA and add one feeder	95,568
	E154.007052	Extend 3 phase to new development in Sartell - 50th st	82,910
	E144.012835	Reconductor 2 mi SCH211 feeder.	77,533
	E144.001187	Southeast-UG Reinforcements	68,480
	E156.012599	Install new fder tie for KOL64	67,104
	E142.009045	Install Bluff Creek 115/13.8kV 50MVA TR#3-CANCELLED	47,939
	E150.012312	Replace PMC on CGR64 with PMH-9	33,485
	E143.001172	Edina-OH Reinforcements	33,229
	E143.010967	Viking new sub 4 fdrs	30,995
	E141.015808	Cascade load relief to MDT	24,483
	E141.016015	Add LTC Control at 5th St. Sub	22,921
	E147.012675	HOL061 3 Phase Upgrade	22,601
	E141.014356	Hampton Inn Ductline	21,481
	E142.004532	Chaska Sub FDR61 - Reinforcement Pr	19,018
	E147.011058	Plymouth-Area Power Grid Upgrades	12,614
	E143.013101	United Health Shady Oak Road Project	12,115
	E147.001219	Maple Grv-UG Reinforcements	10,936
	E154.001282	Northwest-UG Reinforcement	10,562
	E144.012984	SSI: Convert Waldorf Distribution	10,452
	E143.013500	Extend WSG062 to relieve WSG072	5,733
	E141.016335	Block 69 Residential Vault Ryan Co	5,249
	E141.014357	Hampton Inn Vault	3,467
	E151.010808	Install DBL082 feeder	2,973
	E144.012111	Upgrade Buffalo Lake sub from 4kV to 15kV	2,956
	E156.002804	Add 2nd bank at Baytown to eliminate N-1 risk	1,852
	E154.008992	SSI: Osakis Conversion from 4kV to 12.5kV	1,492
	E154.012593	Reinforce SDX TR1	1,491
	E147.010067	Install Elm Creek TR#3 (115/13.8kV)	676
	E144.010890	Reinforce Lake Emily TR1 to 14MVA	451
	E144.013934	Reinforce 3.5 miles of LAE061	387
	E142.011357	Convert Orono to 115 kV	82
	E103.013568	Rewind 69/12.5 kV 28 MVA	(7)
	E151.011622	Rebuild Shaft Hole & Replace Cables	(19)
	NA	Substation Land - ND	(626)
	E144.012973	Install Cap Bank at Crystal Foods	(1,831)
	E141.014051	Velo Residential Building - Vault	(5,772)
	E144.013502	Reinforce 3 miles of SMT082	(13,845)
	E141.013735	Nicollet Residence	(16,363)
	E144.013448	SSI: Add 2nd 23.9kV Transformer and feeder at Waterville	(26,356)
	E141.014694	U of M CHP Express Feeders	(28,570)
	E150.010914	Install Stockyards STY TR3 & Feeders	(39,373)
	E141.010254	Marshall-RIV062 Convert4kV	(48,671)
	E144.013396	Add 28MVA WASTR3 and 1 fdr	(75,171)
	E141.007514	Oakland Install 13.8kV #1#2 50MVA 8 fdrs	(239,806)

IDP Category	Mitigation Number	Mitigation Name	2015 Expenditures
	E103.012099	Capitalized-MN-Sales Tax Rfd - Elec	(438,115)
Projects related to Local (or other) Government-Requirements			
	E142.013864	T: Rebuild head end of WSG362 due to SWTC T-line project	1,341,157
	E142.014709	T: High side rebuild at BLC due to SWTC	1,078,380
	E156.014239	RAM071 - Cty Rd B Road Work Maplewood	1,019,907
	E142.014722	County Road 101 OH-UG	1,001,648
	E144.012864	County Road 20 Road Move	812,776
	E141.015303	SLP Reroute	805,775
	E141.013426	LaSalle Paving Project	789,928
	E147.014690	Hwy 610 Extension	740,829
	E144.014340	Morton County Road 2 Relocation	602,720
	E143.005672	EDP/ANDERSON LAKES & HWY 169/RELOCA	569,787
	E150.009111	Relc TLK77 OH on Century for Cty Rd Widening	562,063
	E147.015783	Vicksburg OH-UG	546,743
	E141.015300	4th St S Ductline Relocation	530,874
	E150.015957	Robert Street Relocation W St Paul	521,201
	E154.007065	Hwy 101 and County Rd 36 Overhead Relocation	507,148
	E141.016028	5601 Lake St PMH Relocation	507,021
	E144.014112	Madison Ave Manholes Mankato	495,114
	E141.015206	St. Anthony Bridge Relocation	476,712
	E151.015043	Snelling Bridge Relocation	410,900
	E151.001251	St Paul-UG Relocations	404,483
	E142.008544	County Rd 17, Delano, Road Move	403,461
	E142.015919	OH-UG Minnetonka Hwy 101 and Excelsior	382,116
	E144.015769	Winona Hwy 43 Bridge Ductline Re-route	370,457
	E143.014095	Shady Oak OH to UG Conversion	366,347
	E143.015886	City of Richfield OH-UG	306,658
	E103.011368	NSPM facility transfers from 3rd Party Owned Poles	304,266
	E156.014240	OAD075 OH-UG 10th St. 694 to Hadley. City of Oakdale	290,310
	E141.014169	OH-UG Cnty 9 - France to Hwy 81	275,099
	E156.015411	HUG311/312 Centerville Road Centerville	270,022
	E144.015314	CAPX 2020 OH-UG in Zumbrota	268,186
	E141.002215	Mpls-UG Service Conv	257,366
	E143.000159	Road Widening Minnetonka CR5 and CR73	253,482
	E142.001160	Mntka-UG Relocations	248,486
	E144.015253	Mankato Downtown Civic Center Project	241,831
	E151.014770	Lillydale UG Conversion	238,297
	E141.015301	Douglas Dr OH-UG Conversion	233,192
	E147.004557	Medina-Hwy 101 Overhead Fdr-RM	188,973
	E151.002224	St Paul-UG Service Conv	183,965
	E144.013680	Dresbach I-90 Re-Route 3 Mi OH	166,550
	E143.002217	Edina-UG Service Conv	156,670
	E142.002216	Mntka-UG Service Conv	147,399
	E141.013428	Relocate Ductline for New Viking Stadium	122,382
	E150.011418	Hastings Bridge Re-route ductbank for pier #5 Hwy 61	115,939
	E154.013988	T: Annandale Town Rebuild	113,577
	E156.015407	OAD071 Frost Ave Maplewood	103,575
	E156.002218	White Bear-UG Service Conv	97,069
	E144.001189	Southeast-UG Relocations	95,094
	E154.001284	Northwest-UG Relocations	63,825
	E144.002223	Southeast-UG Service Conv	58,992
	E147.002219	Maple Grv-UG Service Conv	51,277
	E154.002220	Northwest-UG Service Conv	33,727
	E150.002222	Newport-UG Service Conv	27,200
	E147.001221	Maple Grv-UG Relocations	25,550
	E156.001296	White Bear-UG Relocations	25,080
	E143.014406	Shady Oak Conversion 212 Crossing	10,030
	E141.015088	Chicago Ave and 4th St Conversion	7,727
	E156.013070	St Croix River Bridge	4,120
	E141.016274	Nicollet Mall Street Scape	2,376
	E151.014237	Saints Ballpark OH-UG DBL063	560
	E156.014013	Arsenal removal and relocation of facilities. AHI024	537
	E150.014165	Hwy 149 & 55 Road Move Eagan Relocate 6 feeders	444
	E154.014754	County Rd 3 Sauk Rapids	3
	E150.013029	Cedar Grove PKWY Relocate 5000ft of 750AL	0
	E141.013815	Centerpoint 2nd St N Relocation	(40,513)
	E141.014168	OH to UG County Rd 9 - Xerxes to France	(134,544)
	E151.012334	35E Relocation	(245,531)
	E151.016971	White Bear Ave Relocation	(260,654)

IDP Category	Mitigation Number	Mitigation Name	2015 Expenditures
Metering	E103.001040	MN-Electric Meter Blanket	5,162,884
New Customer Projects and New Revenue			
	E141.015298	900 5th St S FST087 - FST077 Extension	2,337,740
	E156.001299	White Bear-UG Extensions	2,292,064
	E150.005996	Newport-UG Extensions	2,002,824
	E141.017362	365 Nicollet Construction Power	1,913,269
	E147.014741	Olympus Technologies Service	1,793,734
	E141.015202	500 and 600 4th St S Extension to Wells Fargo	1,637,408
	E156.001288	White Bear-UG Services	1,370,480
	E144.003805	Wanamingo - Pine Ridge development 82 units	1,283,957
	E143.002572	Install Feeder tie to eliminate N-1 on WIL86 4.9 MVA	1,168,601
	E142.010321	New Germany Trophy Lake 45 lot URD	1,015,284
	E141.015296	700 4th St S Extension MSFA	849,592
	E141.016332	Block 75 Residential Vault Project	825,259
	E150.001226	Newport-UG Services	805,380
	E144.002761	Switch load to new Summit Ave Bank #2 Feeder	755,589
	E154.001271	Northwest-UG Extensions	730,846
	E142.001152	Mntka-New UG Services	702,096
	E144.001179	Southeast-UG Services	670,001
	E143.001169	Edina-New UG Street Lights	610,582
	E154.001277	Northwest-New UG Services	574,040
	E147.001214	Maple Grv-New Elec UG Services	548,460
	E141.001135	Mpls-OH Services	449,571
	E141.010560	Serve Children's Hosiptal Addition (ATO and Pri Svc)	381,557
	E151.015041	Port Authority Barge Road	336,350
	E151.001240	St Paul-OH Services	323,994
	E154.011195	Paynesville Mastermark Plastic NB Convert to 35kV	311,124
	E142.014720	Wayzata Bay Development	305,977
	E156.001286	White Bear-OH Extension	288,901
	E141.017364	1910 Queen Ave N Extension	287,906
	E143.001167	Edina-UG Services	287,302
	E144.001181	Southeast-OH Streetlights	276,113
	E141.001138	Mpls-New OH Street Lights	250,431
	E141.015299	900 5th St S ELP064 - ELP071 Extension	246,941
	E142.014619	Woodland Cove JT Development, Minnetrista, MN	236,946
	E144.001178	Southeast-OH Services	205,945
	E151.015233	The Vintage	167,156
	E150.014745	Dakota Aggregate-RMT312 Extend OH 5500ft	166,097
	E154.001278	Northwest-New UG Street Lights	160,733
	E142.001150	Mntka-OH Extension	156,443
	E156.001555	Upgrade feeder exit with 1000 AI and reactor	149,675
	E154.001276	Northwest-New OH Services	127,673
	E154.001274	Northwest-New OH Street Lights	123,664
	E156.001287	White Bear-OH Services	120,186
	E151.001243	St Paul-OH Streetlights	107,088
	E141.001139	Mpls-New UG Street Lights	95,914
	E147.001215	Maple Grv-New UG Street Lights	95,840
	E143.001166	Edina-New OH Services	94,364
	E143.001168	Edina-New OH Street Lights	81,097
	E142.001154	Mntka-New UG Street Lights	67,734
	E144.001182	Southeast-UG Streetlights	64,790
	E151.001241	St Paul-UG Services	62,778
	E156.001289	White Bear-OH Street Lights	50,633
	E142.001151	Mntka-OH Services	48,480
	E143.002573	Install switches to eliminate N-1 on WIL77 4 MVA	47,582
	E147.001211	Maple Grv-New OH Street Lights	44,652
	E150.001228	Newport-OH Streetlights	43,785
	E156.001290	White Bear-UG Street Lts	30,519
	E147.001213	Maple Grv-OH Services	29,723
	E150.001225	Newport-OH Services	28,646
	E142.001153	Mntka-New OH Street Lights	24,841
	E141.000640	Install a new tie to PKL85 to eliminate N-1 on MEL65	12,166
	E143.013752	MAC NE Vault	6,502
	E151.001244	St Paul-UG Street Lights	7
	NA	Misc UG Extension	(13)
	E150.001229	Newport-UG Streetlights	(51,339)
Non-Investment	E150.016123	Aurora Solar Project NPT	104,111

IDP Category	Mitigation Number	Mitigation Name	2015 Expenditures
	E103.016168	Aurora Solar Sub Comm	5,535
	E154.016124	Aurora Solar Project NW	4,943
	E144.016140	Aurora Solar Project SE	295
	E156.016141	Aurora Solar Project WBL	245
	E144.015449	Southeast Solar Garden Extensions	(2,675)
	NA	Misc Non-Investment	(182,077)
	E151.001245	Electric New Construction Contributions in Aid	(184,861)
	E154.001279	Electric New Construction Contributions in Aid	(215,120)
	E144.001183	Electric New Construction Contributions in Aid	(222,435)
	E142.001155	Electric New Construction Contributions in Aid	(232,004)
	E147.001216	Electric New Construction Contributions in Aid	(342,609)
	E156.001291	Electric New Construction Contributions in Aid	(386,011)
	E143.001170	Electric New Construction Contributions in Aid	(523,179)
	E150.001230	Electric New Construction Contributions in Aid	(590,303)
	E114.010645	Clearing WO for CRS credits	(754,145)
	E141.001140	Electric New Construction Contributions in Aid	(2,062,292)
Other			
	E103.001041	MN-New Bus Transformer	19,064,093
	NA	Fleet Purchases	8,610,813
	E103.010365	NSPM General Equipment - Communications	1,852,210
	E103.010660	VAR System Project	848,596
	E141.001133	Mpls-Electric Tools & Equip	667,744
	E103.014464	Replace Frame Relays in NSPM	462,460
	E103.001738	MN Subs tools & equip	343,553
	E103.002099	NSPM Metering Sys-Tools & Equipment Blanket	322,057
	E103.002265	Capitalized Locating Costs-Elec UG MN	320,145
	E103.014467	Sub Fiber Communication Cutover	286,564
	C103.002113	Tools & Equipment-Transportation Blanket	280,087
	E103.011405	Install feeder load monitoring at selected subs	250,892
	NA	Misc Tools and Equipment	209,449
	E103.002100	2002 Spec Cnstr - Sm Tool/Equipment Blanket for NSPM	141,428
	NA	NSM Vegetation Mgmt MDT	132,993
	E154.001273	Northwest-Elec Tools/Equip	122,159
	E103.001739	MN Subs Constr tools	111,531
	E151.001252	St Paul-Elec Tools & Equip	106,624
	E144.001190	Southeast-Elec Tools & Equip	82,737
	E141.003695	Univ of MN Lease for Ductline/Reimbursement	79,089
	C115.006786	Logistics-NSPM Tools Blanket	78,840
	E114.006438	Intelliteam SG Rollout	72,562
	E142.001149	Mntka-Elec Tools/Equip	53,935
	C103.013336	Tools and Equipment - Locating	53,130
	E147.001210	Maple Grv-Electric Tools & Equip	51,540
	E156.001297	White Bear-Electric Tools & Eq	51,253
	E103.013567	Install feeder load monitoring at selected subs	47,766
	E143.001164	Edina-Elec Tool/Equip	45,950
	E145.001206	ND-Electric Tools & Equip	45,521
	E153.011934	Logistics-NSPM Tools Blanket - SD	39,513
	E145.013434	ND-Dist Sub Communication Equipment	39,329
	E103.013585	Substation new RTU and FLM	36,057
	E153.001257	SD-Tools & Equip	35,415
	E103.013581	Remote Fault Indication and Load Monitors	29,419
	E150.001223	Newport-Elec Tool/Equip	24,011
	NA	Misc Non-Investment	(5,871)
	E103.012099	Capitalized-MN-Sales Tax Rfd - Elec	(2,638,022)
System Expansion or Upgrades for Reliability and Power Quality			
	E103.003453	Tap Cable Replacement 2nd Tier Minnesota	10,956,911
	E103.003452	Mainline Cable Replacement - Reactive - NSPM	2,204,089
	E103.001044	NSPM-Poor Performing Fdr Blanket	1,539,791
	E103.009970	Mainline Cable Replacement - Proactive 2nd Tier - NSPM	463,177
	E114.007693	Reliability Monitoring System (REMS): MN	389,797
	E142.012191	Reliability Upgrades (REMS) to BLC063 feeder	30,692
	E114.013511	Install Automated Switches to Improve Performance - MN	22,722
Grand Total			166,748,452

IDP Category	Mitigation Number	Mitigation Name	2016 Expenditures
Age-Related Replacements and Asset Renewal			
	E114.005559	MN Major Storm Recovery BlanketMN	19,643,365
	E114.006616	MN Replace/Reinforce Non-Compliant Poles	6,554,500
	E151.016446	Jackson St Rebuild	6,407,862
	E103.004666	Hollydale - Replace Failed 69kV/13.	2,267,382
	E103.014456	Replace 5 distribution breakers at Merriam Park	1,897,840
	E154.011354	Install Cottonwood stepdowns to enable retirement of sub	1,613,100
	E143.014668	WIL086 OH to UG Conversion	1,450,890
	E103.016067	New 70 MVA reserve TR 115/13.8 kV	1,307,595
	E141.013910	St. Anthony Falls Hydro 15kV Cable Replacement	1,260,398
	E103.009150	SPCC NSPM Oil Spill Prevention	1,150,833
	E141.001141	Mpls-OH Rebuilds	1,149,938
	E147.004711	Funding for CO109 Gravel Pit phase	1,135,644
	E150.013542	Woodbury Drive Road Move 3000ft Feeder at Bailey	891,443
	E151.012282	Reconductor RAM73 Mainline	849,204
	E151.013595	SSI: Convert St Clair 4kV to 13.8kV	840,680
	E143.013748	SAV River Crossing	832,481
	E103.015161	Purchase 50 MVA reserve transformer	788,077
	E141.010286	Replace Dustproof protectors	667,093
	E156.001292	White Bear-OH Rebuilds	637,910
	E142.009661	OH Rebuild Mtk increase	634,621
	E151.016150	Hamline Station	616,406
	E150.003703	Woodbury Lakes OH to UG conversion	567,705
	E103.011423	RCSII Replacement Project - NSPM	537,487
	E141.017360	Chicago - Washington Relocation	523,522
	E103.012612	ELR MN Sub TRs	509,618
	E147.001209	Maple Grv-OH Rebuilds	507,272
	E144.013060	M&R Dairy Rebuild	452,867
	E141.017359	MPLS UG Network Vault Blanket	448,746
	E156.008247	WBL Tap Cables	424,931
	E142.004727	Co Rd 109, Phase 2-UG Conv	382,196
	E154.012309	Remove Eden Valley to Watkins line	337,041
	E153.012431	Convert SOS 4kV to 13.8kV	302,874
	E154.016227	Freeport to Black Oak Rebuild	257,960
	E151.016970	MLS stadium OH/UG Relocation	245,358
	E151.016697	STP UG Network Vault Blanket	220,646
	E103.011891	ELR MN Sub Switches	211,833
	E141.001664	ELR MPLS Vault Tops	165,192
	E147.002745	RM: Relocate OH mainline for Hwy 241 from Co Rd 19 to McIver Ave NE: St Michael MN: LAP311	157,545
	E103.014355	Rewind failed 115KV - 13.8KV 70MVA transformer	104,731
	E141.012673	Replace Fifth Street FST Switchgear	96,389
	E114.017864	MN/Capital Pole Inspections	95,654
	E145.019635	ND Substation Fence Improvement	68,286
	E103.013804	Upgrade fence at Buffalo Lake	60,716
	E151.013631	Replace Network Protectors - STP	57,148
	E144.015240	Replace Jordan Sub's Aging Equipment	54,149
	E141.015959	Apache TR 1 Emergency Replacement	42,451
	E103.013521	ELR MN Sub RTUs	32,573
	E103.013576	reserve 70 MVA 115/13.8 kV transformer	1,916
	E103.012603	ELR MN Sub Regulators	1,614
	E103.015305	7 MVA Spare	1,335
	E103.016670	Purchase reserve transformer 14 MVA 69- 13.8 KV	635
	E151.013639	ELR STP Vault Tops	86
	E147.015160	Replace failed PKL TR3	4
	E154.015412	Franklin TR4 Replacement	2
	E154.014732	Sauk Rapids overhead to underground	(22,329)
System Expansion or Upgrades for Capacity			
	E142.013447	Install TR at new Hazeltine sub	7,535,079
	E144.013445	Add 50MVA Eastwood TR3 and feeders	2,708,703
	E153.012465	Install tie for SOS062	2,323,379
	E154.002521	Install second bank at Fiesta City	2,004,092
	E156.002804	Add 2nd bank at Baytown to eliminate N-1 risk	1,914,037
	E141.016992	CABLE DUCT Millwright Bldg 321 5th Av	947,218
	E141.002682	Replace Failed Network Protectors on FST Network	944,666
	E147.014686	Reconfigure ties on TWL feeders	475,018
	E141.016015	Add LTC Control at 5th St. Sub	466,330
	E141.014517	New ELP feeder	437,836
	E147.016782	Extend IDA064 to relieve TWL064	391,292

IDP Category	Mitigation Number	Mitigation Name	2016 Expenditures
	E154.006387	New First Lake substation in Monticello, MN	370,057
	E144.012835	Reconductor 2 mi SCH211 feeder.	356,724
	E141.016335	Block 69 Residential Vault Ryan Co	326,510
	E142.014709	T: High side rebuild at BLC due to SWTC	321,076
	E147.014478	Reconfigure ties for TWL079	301,034
	E141.016991	NTWK TRs Millwright Bldg 321 5th Ave S	227,917
	E151.011613	Rebuild Public Health Vault	220,886
	E141.016333	Block 75 Residential Vault Project	199,998
	E154.007052	Extend 3 phase to new development in Sartell - 50th st	185,066
	E141.015808	Cascade load relief to MDT	166,054
	E103.014467	Sub Fiber Communication Cutover	140,079
	E103.008083	Environmental Work NSPM-EL	134,063
	E151.001248	St Paul-OH Reinforcements	133,632
	E156.008860	Install switches on OAD075 and transfer load to relieve NOL	122,378
	E147.014468	Install tie for BRP063	114,780
	E147.001219	Maple Grv-UG Reinforcements	114,140
	E150.008740	Reconductor & Reinsulated CGR71 to AFT322	91,016
	E151.002440	Extend MPK66 to US Bank east, ATO	90,488
	E150.012453	Replace RRK TR1 with 50MVA and add one feeder	72,566
	E142.014829	Install 2nd feeder at Plato	63,072
	E142.004532	Chaska Sub FDR61 - Reinforcement Pr	60,729
	E141.014694	U of M CHP Express Feeders	54,827
	E142.009045	Install Bluff Creek 115/13.8kV 50MVA TR#3-CANCELLED	52,419
	E144.001187	Southeast-UG Reinforcements	44,330
	E156.012599	Install new fder tie for KOL64	35,870
	E147.012675	HOL061 3 Phase Upgrade	22,252
	E143.013500	Extend WSG062 to relieve WSG072	22,069
	E142.011006	SSI: Install Waconia TR2	15,760
	E154.014561	Remove and Retire Empire Park substation	13,464
	E141.014961	401 Nicollet - New Vault	13,382
	E141.011698	Indiana-IDA064 new reinforce	11,957
	E151.010808	Install DBL082 feeder	7,545
	E143.001172	Edina-OH Reinforcements	6,813
	E147.002788	Install Basset Creek BCRT2 50MVA	5,095
	E156.010172	Install new feeder at RAM	4,020
	E147.011058	Plymouth-Area Power Grid Upgrades	4,014
	E141.007514	Oakland Install 13.8kV #1#2 50MVA 8 fdrs	3,847
	E141.014950	4 Marquette Ave - New Vault	2,013
	E154.001282	Northwest-UG Reinforcement	1,066
	E144.013396	Add 28MVA WASTR3 and 1 fdr	1,033
	E151.012407	Transfer Load from DBL067	377
	E141.007874	Inst 13.8kV Hiawatha #1 50MVA	348
	E144.012973	Install Cap Bank at Crystal Foods	239
	E154.015394	Install new feeder MNI073	65
	E144.010890	Reinforce Lake Emily TR1 to 14MVA	11
	E144.013438	Reinforce Sibley Park Feeder Exits	4
	E153.007944	Install 14 MVA Pipestone sub, convert from 4 kV	(72)
	E150.010906	Vermillion River 63	(512)
	E150.012312	Replace PMC on CGR64 with PMH-9	(21,216)
	E141.017361	JAPS-OLSON 7500 Excelsior Blvd	(25,018)
	E154.012597	Upgrade Freeport substation to 12.5kV	(54,572)
	E103.012099	Capitalized-MN-Sales Tax Rfd - Elec	(861,748)
Projects related to Local (or other) Government Requirements			
	E141.016274	Nicollet Mall Street Scape	14,682,021
	E141.014116	Washington Ave Relocation - Hennipin to 5th Ave	3,103,615
	E156.014239	RAM071 - Cty Rd B Road Work Maplewood	1,721,310
	E141.015301	Douglas Dr OH-UG Conversion	1,218,429
	E151.016971	White Bear Ave Relocation	877,760
	E144.012864	County Road 20 Road Move	772,040
	E154.007065	Hwy 101 and County Rd 36 Overhead Relocation	700,449
	E141.015206	St. Anthony Bridge Relocation	572,890
	E143.000159	Road Widening Minnetonka CR5 and CR73	538,997
	E154.016854	2nd St N Relocation Project	519,297
	E156.015408	LEX61/71/73 Road Recon	465,240
	E103.011368	NSPM facility transfers from 3rd Party Owned Poles	459,576
	E150.009111	Relc TLK77 OH on Century for Cty Rd Widening	428,861
	E150.015957	Robert Street Relocation W St Paul	428,025
	E143.016745	Normandale Blvd - Relocate UG facilities for road widening	395,791
	E141.013426	LaSalle Paving Project	313,745

IDP Category	Mitigation Number	Mitigation Name	2016 Expenditures
	E141.016028	5601 Lake St PMH Relocation	290,991
	E151.001251	St Paul-UG Relocations	286,538
	E141.014169	OH-UG Cnty 9 - France to Hwy 81	242,478
	E141.002215	Mpls-UG Service Conv	216,723
	E143.005672	EDP/ANDERSON LAKES & HWY 169/RELOCA	213,783
	E144.001189	Southeast-UG Relocations	203,569
	E142.014722	County Road 101 OH-UG	189,823
	E142.008544	County Rd 17, Delano, Road Move	155,401
	E147.004557	Medina-Hwy 101 Overhead Fdr-RM	146,350
	E150.011418	Hastings Bridge Re-route ductbank for pier #5 Hwy 61	136,266
	E142.013864	T: Rebuild head end of WSG362 due to SWTC T-line project	120,718
	E154.001284	Northwest-UG Relocations	112,546
	E144.002223	Southeast-UG Service Conv	111,520
	E154.013988	T: Annandale Town Rebuild	111,012
	E144.014112	Madison Ave Manholes Mankato	93,661
	E151.002224	St Paul-UG Service Conv	90,813
	E156.002218	White Bear-UG Service Conv	84,144
	E144.013680	Dresbach I-90 Re-Route 3 Mi OH	77,549
	E142.002216	Mntka-UG Service Conv	72,598
	E156.001296	White Bear-UG Relocations	68,579
	E147.001221	Maple Grv-UG Relocations	65,690
	E142.001160	Mntka-UG Relocations	50,689
	E143.002217	Edina-UG Service Conv	44,463
	E154.002220	Northwest-UG Service Conv	35,265
	E150.002222	Newport-UG Service Conv	34,107
	E151.012334	35E Relocation	29,272
	E147.002219	Maple Grv-UG Service Conv	28,420
	E142.015919	OH-UG Minnetonka Hwy 101 and Excelsior	19,840
	E147.014690	Hwy 610 Extension	18,818
	E143.014095	Shady Oak OH to UG Conversion	9,043
	E144.015253	Mankato Downtown Civic Center Project	4,164
	E144.014340	Morton County Road 2 Relocation	2,597
	E142.014709	T: High side rebuild at BLC due to SWTC	1,144
	E143.015886	City of Richfield OH-UG	997
	E141.015303	SLP Reroute	372
	E144.015769	Winona Hwy 43 Bridge Ductline Re-route	28
	E156.015407	OAD071 Frost Ave Maplewood	(3)
	E144.015314	CAPX 2020 OH-UG in Zumbrota	(7)
	E156.013070	St Croix River Bridge	(3,813)
	E147.015783	Vicksburg OH-UG	(125,422)
	E156.014240	OAD075 OH-UG 10th St. 694 to Hadley. City of Oakdale	(273,345)
Metering			
	E103.001040	MN-Electric Meter Blanket	5,090,194
New Customer Projects and New Revenue			
	E114.015600	MN LED Streetlight Program	4,604,306
	E156.001299	White Bear-UG Extensions	2,541,607
	E150.005996	Newport-UG Extensions	1,937,722
	E141.017362	365 Nicollet Construction Power	1,927,601
	E141.016332	Block 75 Residential Vault Project	1,756,897
	E147.014741	Olympus Technologies Service	1,742,158
	E156.001288	White Bear-UG Services	1,637,500
	E154.001271	Northwest-UG Extensions	1,309,363
	E144.002761	Switch load to new Summit Ave Bank #2 Feeder	1,222,288
	E144.003805	Wanamingo - Pine Ridge development 82 units	947,585
	E150.001226	Newport-UG Services	947,317
	E142.010321	New Germany Trophy Lake 45 lot URD	840,766
	E141.010560	Serve Children's Hosiptal Addition (ATO and Pri Svc)	835,975
	E144.001179	Southeast-UG Services	835,680
	E142.001152	Mntka-New UG Services	808,069
	E154.001277	Northwest-New UG Services	763,292
	E143.002572	Install Feeder tie to eliminate N-1 on WIL86 4.9 MVA	751,791
	E147.001214	Maple Grv-New Elec UG Services	530,866
	E156.001290	White Bear-UG Street Lts	511,663
	E143.001169	Edina-New UG Street Lights	462,347
	E141.001135	Mpls-OH Services	461,619
	E141.001138	Mpls-New OH Street Lights	430,595
	E151.001240	St Paul-OH Services	400,159
	E154.011195	Paynesville Mastermark Plastic NB Convert to 35kV	369,478
	E151.015041	Port Authority Barge Road	358,220

IDP Category	Mitigation Number	Mitigation Name	2016 Expenditures
	E150.001229	Newport-UG Streetlights	337,921
	E147.001215	Maple Grv-New UG Street Lights	321,044
	E144.001181	Southeast-OH Streetlights	284,088
	E141.001139	Mpls-New UG Street Lights	252,842
	E144.001178	Southeast-OH Services	228,558
	E156.001555	Upgrade feeder exit with 1000 AI and reactor	211,029
	E143.001167	Edina-UG Services	209,625
	E144.001182	Southeast-UG Streetlights	178,433
	E156.001286	White Bear-OH Extension	174,847
	E141.015298	900 5th St S FST087 - FST077 Extension	151,552
	E142.001154	Mntka-New UG Street Lights	144,950
	E154.001274	Northwest-New OH Street Lights	120,247
	E142.001150	Mntka-OH Extension	117,017
	E151.001241	St Paul-UG Services	112,768
	E141.017364	1910 Queen Ave N Extension	105,559
	E156.001287	White Bear-OH Services	97,557
	E150.001228	Newport-OH Streetlights	88,045
	E151.001243	St Paul-OH Streetlights	80,947
	E154.001276	Northwest-New OH Services	70,135
	E143.001166	Edina-New OH Services	60,657
	E156.001289	White Bear-OH Street Lights	54,679
	E147.001211	Maple Grv-New OH Street Lights	52,730
	E143.001168	Edina-New OH Street Lights	52,172
	E142.014619	Woodland Cove JT Development, Minnetrista, MN	50,883
	E150.001225	Newport-OH Services	48,145
	E142.001153	Mntka-New OH Street Lights	43,267
	E150.014745	Dakota Aggregate-RMT312 Extend OH 5500ft	40,301
	E143.002573	Install switches to eliminate N-1 on WIL77 4 MVA	39,719
	E147.001213	Maple Grv-OH Services	27,481
	E151.001244	St Paul-UG Street Lights	24,883
	E142.001151	Mntka-OH Services	23,970
	E141.000640	Install a new tie to PKL85 to eliminate N-1 on MEL65	13,096
	E141.015296	700 4th St S Extension MSFA	462
	NA	Misc UG Extension	(6,866)
	E153.001259	SD-UG Extension	(13,490)
	E154.001278	Northwest-New UG Street Lights	(20,980)
	E141.015202	500 and 600 4th St S Extension to Wells Fargo	(277,212)
Non-Investment			
	E103.016480	Solar Garden Sub Work	8,997,405
	E103.016168	Aurora Solar Sub Comm	3,010,991
	E154.015448	Northwest Solar Garden Extensions	2,825,738
	E150.015447	NSPM Solar Gargen Extensions	2,653,371
	E156.015451	NSPM Solar Garden Extensions	1,534,322
	E114.010645	Clearing WO for CRS credits	858,983
	E142.015450	NSPM Solar Garden Extensions	754,181
	E103.016887	Solar Garden Communication Line Equip	365,233
	E142.016122	Geronimo Aurora Solar Projects	357,719
	E103.016481	Solar Garden Sub COMM	308,963
	E154.016124	Aurora Solar Project NW	195,751
	E150.016123	Aurora Solar Project NPT	193,277
	E103.016885	Aurora Solar - Business Systems Comm Related	177,445
	E143.015445	NSPM Solar Garden Extensions	115,208
	E141.016062	Solar Garden Ext - Mpls	4,567
	E156.016141	Aurora Solar Project WBL	(34,982)
	E144.016140	Aurora Solar Project SE	(97,286)
	E144.001183	Electric New Construction Contributions in Aid	(106,705)
	E147.001216	Electric New Construction Contributions in Aid	(113,155)
	E142.001155	Electric New Construction Contributions in Aid	(151,050)
	E154.001279	Electric New Construction Contributions in Aid	(195,266)
	E150.001230	Electric New Construction Contributions in Aid	(285,960)
	E143.001170	Electric New Construction Contributions in Aid	(379,290)
	E151.001245	Electric New Construction Contributions in Aid	(593,834)
	E156.001291	Electric New Construction Contributions in Aid	(668,703)
	E141.001140	Electric New Construction Contributions in Aid	(2,629,488)
	E144.015449	Southeast Solar Garden Extensions	(12,402,871)
Other			
	E103.001041	MN-New Bus Transformer	19,956,260
	NA	Fleet Purchases	3,179,201
	E114.017857	MN Elec Mixed Work Adjustment	6,450,994

IDP Category	Mitigation Number	Mitigation Name	2016 Expenditures
	E103.014464	Replace Frame Relays in NSPM	2,632,923
	E103.002265	Capitalized Locating Costs-Elec UG MN	548,815
	E141.003695	Univ of MN Lease for Ductline/Reimbursement	525,786
	E103.001738	MN Subs tools & equip	448,968
	E103.011405	Install feeder load monitoring at selected subs	364,830
	E151.001252	St Paul-Elec Tools & Equip	315,196
	E103.014467	Sub Fiber Communication Cutover	174,083
	E103.013581	Remote Fault Indication and Load Monitors	159,194
	E103.002100	2002 Spec Cnstr - Sm Tool/Equipment Blanket for NSPM	152,215
	C115.006786	Logistics-NSPM Tools Blanket	125,423
	E103.013567	Install feeder load monitoring at selected subs	116,193
	E154.001273	Northwest-Elec Tools/Equip	103,396
	C103.013336	Tools and Equipment - Locating	96,322
	E103.013585	Substation new RTU and FLM	94,971
	E114.006438	Intelliteam SG Rollout	90,574
	C103.002113	Tools & Equipment-Transportation Blanket	64,844
	E147.001210	Maple Grv-Electric Tools & Equip	60,216
	E145.001206	ND-Electric Tools & Equip	57,928
	E153.001257	SD-Tools & Equip	57,747
	E103.010660	VAR System Project	57,176
	NA	Elec Dist Communications Softw	51,638
	NA	Misc Tools and Equipment	41,998
	E103.002099	NSPM Metering Sys-Tools & Equipment Blanket	40,243
	E144.001190	Southeast-Elec Tools & Equip	39,685
	E150.001223	Newport-Elec Tool/Equip	22,934
	E103.001739	MN Subs Constr tools	21,887
	E118.017461	Land for Turkey Ridge Radio Tower	19,572
	E156.001297	White Bear-Electric Tools & Eq	15,284
	E143.001164	Edina-Elect Tool/Equip	9,165
	E142.001149	Mntka-Elec Tools/Equip	5,939
	E145.013434	ND-Dist Sub Communication Equipment	608
	E141.001133	Mpls-Electric Tools & Equip	(22,171)
	E103.010365	NSPM General Equipment - Communications	(182,557)
	E103.012099	Capitalized-MN-Sales Tax Rfd - Elec	(5,017,837)
System Expansion or Upgrades for Reliability and Power Quality			
	E103.003453	Tap Cable Replacement 2nd Tier Minnesota	16,979,613
	E103.003452	Mainline Cable Replacement - Reactive - NSPM	2,008,082
	E114.007693	Reliability Monitoring System (REMS): MN	575,948
	E103.001044	NSPM-Poor Performing Fdr Blanket	381,334
	E103.009970	Mainline Cable Replacement - Proactive 2nd Tier - NSPM	175,816
	E142.012191	Reliability Upgrades (REMS) to BLC063 feeder	61,398
Grand Total			206,212,951

IDP Category	Mitigation Number	Mitigation Name	2017 Expenditures
Age-Related Replacements and Asset Renewal			
	E114.005559	MN Major Storm Recovery BlanketMN	15,096,531
	E114.006616	MN Replace/Reinforce Non-Compliant Poles	5,911,259
	E141.012673	Replace Fifth Street FST Switchgear	3,711,133
	E103.014456	Replace 5 distribution breakers at Merriam Park	3,563,505
	E154.011354	Install Cottonwood stepdowns to enable retirement of sub	2,118,614
	E103.004666	Hollydale - Replace Failed 69kV/13.	1,786,417
	E141.013910	St. Anthony Falls Hydro 15kV Cable Replacement	1,675,075
	E114.018129	MN - Pole Replacement Blanket	1,311,348
	E143.017843	CSAH 53 OH to UG	1,261,813
	E103.012612	ELR MN Sub TRs	1,238,820
	E147.004711	Funding for CO109 Gravel Pit phase	1,210,912
	E114.018176	MN - OH Rebuild Tap/Backbone/Sec Blkt	1,193,195
	E103.009150	SPCC NSPM Oil Spill Prevention	857,665
	E114.018274	MN - UG Conversion/Rebuild Blanket	851,719
	E150.013542	Woodbury Drive Road Move 3000ft Feeder at Bailey	823,257
	E151.016697	STP UG Network Vault Blanket	768,309
	E141.001141	Mpls-OH Rebuilds	756,579
	E151.012282	Reconductor RAM73 Mainline	728,210
	E151.016150	Hamline Station	723,329
	E147.001209	Maple Grv-OH Rebuilds	620,345
	E142.004727	Co Rd 109, Phase 2-UG Conv	599,485
	E143.014668	WIL086 OH to UG Conversion	592,893
	E151.013595	SSI: Convert St Clair 4kV to 13.8kV	542,181
	E144.013060	M&R Dairy Rebuild	536,346
	E141.017359	MPLS UG Network Vault Blanket	533,544
	E142.009661	OH Rebuild Mtk increase	531,154
	E114.018174	MN - OH Reloc All Other Type Blkt	513,757
	E103.011423	RCSII Replacement Project - NSPM	511,432
	E103.014355	Rewind failed 115KV - 13.8KV 70MVA transformer	491,427
	E154.012309	Remove Eden Valley to Watkins line	468,741
	E114.018275	MN - UG Services Renewal Blanket	461,337
	E150.003703	Woodbury Lakes OH to UG conversion	449,901
	E103.016670	Purchase reserve transformer 14 MVA 69- 13.8 KV	416,799
	E156.001292	White Bear-OH Rebuilds	412,511
	E143.013748	SAV River Crossing	358,918
	E103.013804	Upgrade fence at Buffalo Lake	357,058
	E103.013521	ELR MN Sub RTUs	354,839
	E147.017834	Bass Lake Road OH-UG	334,691
	E153.012431	Convert SOS 4kV to 13.8kV	324,254
	E147.002745	RM: Relocate OH mainline for Hwy 241 from Co Rd 19 to McIver Ave NE: St Michael MN: LAP311	313,506
	E151.013639	ELR STP Vault Tops	285,533
	E141.010286	Replace Dustproof protectors	278,260
	E103.011891	ELR MN Sub Switches	262,081
	E150.018675	Replace Afton TR2 with System Reserve	260,008
	E114.018177	MN - OH Rebuild All Other Type Blkt	245,981
	E141.017360	Chicago - Washington Relocation	217,408
	E141.001664	ELR MPLS Vault Tops	88,117
	E114.017864	MN/Capital Pole Inspections	61,669
	E151.016970	MLS stadium OH/UG Relocation	38,451
	E114.018178	MN - OH Services Renewal Blanket	35,021
	E156.008247	WBL Tap Cables	14,472
	E103.016931	Battery Upgrade for Frame Relay Replacements - NSPM	7,389
	E103.009312	SSI: MN Infrastructure Investment	1,518
	E103.017653	ELR MN Sub Batteries	104
	E103.013576	reserve 70 MVA 115/13.8 kV transformer	5
	E151.013631	Replace Network Protectors - STP	5
	E103.015161	Purchase 50 MVA reserve transformer	2
	E103.015305	7 MVA Spare	2
	E103.016067	New 70 MVA reserve TR 115/13.8 kV	2
	E154.016227	Freeport to Black Oak Rebuild	(7,839)
	E145.019635	ND Substation Fence Improvement	(12,842)
	E151.016446	Jackson St Rebuild	(413,423)
System Expansion or Upgrades for Capacity			
	E156.002804	Add 2nd bank at Baytown to eliminate N-1 risk	4,689,485
	E142.011006	SSI: Install Waconia TR2	2,762,123
	E153.012465	Install tie for SOS062	1,631,786
	E141.002682	Replace Failed Network Protectors on FST Network	1,127,290

IDP Category	Mitigation Number	Mitigation Name	2017 Expenditures
	E154.002523	Reinforce Lowry TR and replace regulators	1,071,323
	E144.016597	Add Crystal Foods 62 Feeder	952,225
	E147.011058	Plymouth-Area Power Grid Upgrades	501,197
	E142.014829	Install 2nd feeder at Plato	498,707
	E147.013375	Reconfigure feeder ties CNC073	411,159
	E141.016992	CABLE DUCT Millwright Bldg 321 5th Av	406,837
	E143.018586	Health Partners ATO 8170 33RD AVE S	385,774
	E141.017363	365 Nicollet Residential Tower	383,626
	E150.012576	Install South Washington ERU Sub	367,662
	E156.008860	Install switches on OAD075 and transfer load to relieve NOL	356,948
	E142.013447	Install TR at new Hazeltine sub	268,564
	E151.011613	Rebuild Public Health Vault	253,209
	E144.014347	Add Dundas 072 Feeder	249,143
	E144.012835	Reconductor 2 mi SCH211 feeder.	208,432
	E103.008083	Environmental Work NSPM-EL	197,039
	E141.017361	JAPS-OLSON 7500 Excelsior Blvd	141,077
	E143.001172	Edina-OH Reinforcements	125,058
	E114.018279	MN - UG Reinforce Blkt Tap/Back/Sec	89,402
	E154.001282	Northwest-UG Reinforcement	76,274
	E151.001248	St Paul-OH Reinforcements	64,340
	E144.013445	Add 50MVA Eastwood TR3 and feeders	59,342
	E143.013500	Extend WSG062 to relieve WSG072	56,833
	E154.007052	Extend 3 phase to new development in Sartell - 50th st	51,014
	E147.001219	Maple Grv-UG Reinforcements	42,453
	E144.016590	Belle Plaine Battery plus Solar Project	42,219
	E114.018280	MN - UG Reinforce Blkt All Other	37,085
	E147.016782	Extend IDA064 to relieve TWL064	32,441
	E142.004532	Chaska Sub FDR61 - Reinforcement Pr	18,954
	E141.014517	New ELP feeder	16,107
	E114.018181	MN - OH Reinforce Blkt Tap/Back/Sec	15,966
	E150.008740	Reconductor & Reinsulated CGR71 to AFT322	13,862
	E114.018182	MN - OH Reinforce Blkt All Other	12,741
	E141.014694	U of M CHP Express Feeders	11,103
	E156.012599	Install new fder tie for KOL64	10,688
	E147.012675	HOL061 3 Phase Upgrade	8,415
	E154.002521	Install second bank at Fiesta City	7,977
	E154.010161	Install 2nd transformer at Sauk River	5,636
	E141.015808	Cascade load relief to MDT	5,549
	E141.016335	Block 69 Residential Vault Ryan Co	5,547
	NA	Reinforce GNL072 equipment in sub	5,313
	E114.018342	MN - New Business Network Blanket	3,750
	E150.012453	Replace RRK TR1 with 50MVA and add one feeder	3,046
	E150.012312	Replace PMC on CGR64 with PMH-9	2,886
	E144.001187	Southeast-UG Reinforcements	1,908
	E103.014467	Sub Fiber Communication Cutover	1,463
	E151.002440	Extend MPK66 to US Bank east, ATO	88
	E151.010808	Install DBL082 feeder	50
	E144.012973	Install Cap Bank at Crystal Foods	(50)
	E142.014709	T: High side rebuild at BLC due to SWTC	(335)
	E147.014686	Reconfigure ties on TWL feeders	(454)
	E141.016991	NTWK TRs Millwright Bldg 321 5th Ave S	(18,925)
	E154.006387	New First Lake substation in Monticello, MN	(35,067)
	E154.014561	Remove and Retire Empire Park substation	(77,959)
	E147.014478	Reconfigure ties for TWL079	(212,090)
	E154.012597	Upgrade Freeport substation to 12.5kV	(339,199)
	E103.012099	Capitalized-MN-Sales Tax Rfd - Elec	(646,973)
Projects related to Local (or other) Government Requirements			
	E141.015301	Douglas Dr OH-UG Conversion	1,820,948
	E141.017519	35W Relocation 40th to Franklin	1,763,659
	E144.012864	County Road 20 Road Move	1,754,536
	E156.014239	RAM071 - Cty Rd B Road Work Maplewood	960,452
	E114.018271	MN - UG Reloc Tap/Backbone/Sec Blkt	763,820
	E150.009111	Relc TLK77 OH on Century for Cty Rd Widening	689,419
	E143.016745	Normandale Blvd - Relocate UG facilities for road widening	587,997
	E114.018173	MN - OH Reloc Tap/Backbone/Sec Blkt	535,199
	E103.011368	NSPM facility transfers from 3rd Party Owned Poles	525,644
	E143.000159	Road Widening Minnetonka CR5 and CR73	490,053
	E151.001251	St Paul-UG Relocations	434,686
	E141.015206	St. Anthony Bridge Relocation	430,838

IDP Category	Mitigation Number	Mitigation Name	2017 Expenditures
	E143.005672	EDP/ANDERSON LAKES & HWY 169/RELOCA	399,518
	E114.018273	MN - UG Service Conversion Blanket	344,969
	E114.018272	MN - UG Reloc All Other Type Blkt	302,726
	E141.014116	Washington Ave Relocation - Hennipin to 5th Ave	278,029
	E142.008544	County Rd 17, Delano, Road Move	253,580
	E154.007065	Hwy 101 and County Rd 36 Overhead Relocation	240,626
	E142.018619	Co Rd 30 Road Move	236,611
	E150.011418	Hastings Bridge Re-route ductbank for pier #5 Hwy 61	234,674
	E156.001296	White Bear-UG Relocations	233,492
	E144.002223	Southeast-UG Service Conv	193,231
	E151.016971	White Bear Ave Relocation	192,130
	E141.016028	5601 Lake St PMH Relocation	177,639
	E141.002215	Mpls-UG Service Conv	163,014
	E142.001160	Mntka-UG Relocations	145,162
	E144.001189	Southeast-UG Relocations	118,871
	E147.004557	Medina-Hwy 101 Overhead Fdr-RM	73,985
	E154.001284	Northwest-UG Relocations	54,567
	E156.002218	White Bear-UG Service Conv	53,567
	E151.002224	St Paul-UG Service Conv	47,709
	E142.002216	Mntka-UG Service Conv	45,472
	E147.002219	Maple Grv-UG Service Conv	37,155
	E147.001221	Maple Grv-UG Relocations	28,844
	E150.002222	Newport-UG Service Conv	22,706
	E154.002220	Northwest-UG Service Conv	17,240
	E143.002217	Edina-UG Service Conv	16,980
	E114.018174	MN - OH Reloc All Other Type Blkt	14,153
	E151.017153	Rosedale Mall Relocation	6,850
	E154.013988	T: Annandale Town Rebuild	5,641
	E103.002265	Capitalized Locating Costs-Elec UG MN	4,296
	E114.018479	MN - Pole Transfer 3rd Party Blanket	1,055
	E118.017461	Land for Turkey Ridge Radio Tower	437
	E147.014690	Hwy 610 Extension	325
	E150.015957	Robert Street Relocation W St Paul	285
	E144.014340	Morton County Road 2 Relocation	58
	E141.013426	LaSalle Paving Project	9
	E144.015253	Mankato Downtown Civic Center Project	(161)
	E156.013070	St Croix River Bridge	(190)
	E144.014112	Madison Ave Manholes Mankato	(1,302)
	E142.013864	T: Rebuild head end of WSG362 due to SWTC T-line project	(1,544)
	E141.016274	Nicollet Mall Street Scape	(61,308)
	E143.017171	MSP Airport - Relocate 3 Feeders for MSP	(86,250)
	E147.015783	Vicksburg OH-UG	(162,178)
	E141.014169	OH-UG Cnty 9 - France to Hwy 81	(204,531)
	E154.016854	2nd St N Relocation Project	(534,902)
Metering			
	E103.001040	MN-Electric Meter Blanket	6,773,097
New Customer Projects and New Revenue			
	E114.015600	MN LED Streetlight Program	12,376,276
	E114.018268	MN - UG Extension Blanket	5,646,295
	E141.001135	Mpls-OH Services	2,410,719
	E150.005996	Newport-UG Extensions	2,107,931
	E114.018269	MN - UG New Services Blanket	1,760,262
	E156.001299	White Bear-UG Extensions	1,670,388
	E141.010560	Serve Children's Hosiptal Addition (ATO and Pri Svc)	1,625,431
	E141.017362	365 Nicollet Construction Power	1,550,971
	E147.014741	Olympus Technologies Service	1,533,634
	E156.001288	White Bear-UG Services	1,137,102
	E154.001271	Northwest-UG Extensions	1,074,666
	E142.010321	New Germany Trophy Lake 45 lot URD	1,010,138
	E114.018171	MN - OH Extension Blanket	769,883
	E144.003805	Wanamingo - Pine Ridge development 82 units	719,257
	E144.002761	Switch load to new Summit Ave Bank #2 Feeder	718,211
	E142.001152	Mntka-New UG Services	695,530
	E144.001179	Southeast-UG Services	536,634
	E150.001226	Newport-UG Services	525,627
	E154.011195	Paynesville Mastermark Plastic NB Convert to 35kV	518,507
	E154.001277	Northwest-New UG Services	516,418
	E143.002572	Install Feeder tie to eliminate N-1 on WIL86 4.9 MVA	464,875
	E150.014745	Dakota Aggregate-RMT312 Extend OH 5500ft	449,224

IDP Category	Mitigation Number	Mitigation Name	2017 Expenditures
	E151.015041	Port Authority Barge Road	448,176
	E114.018046	MN - UG New Street Light Blanket	426,284
	E141.017364	1910 Queen Ave N Extension	361,160
	E141.001138	Mpls-New OH Street Lights	333,753
	E147.001214	Maple Grv-New Elec UG Services	308,226
	E151.001240	St Paul-OH Services	279,935
	E142.001150	Mntka-OH Extension	278,673
	E143.001169	Edina-New UG Street Lights	276,855
	E144.001181	Southeast-OH Streetlights	219,066
	E114.018355	MN - UG Street Light Rebuild Blanket	180,121
	E143.001167	Edina-UG Services	173,110
	E114.018172	MN - OH New Services Blanket	169,007
	E156.001286	White Bear-OH Extension	165,836
	E144.001178	Southeast-OH Services	164,469
	E141.016332	Block 75 Residential Vault Project	133,639
	E151.001241	St Paul-UG Services	113,573
	E150.001229	Newport-UG Streetlights	113,359
	E156.001555	Upgrade feeder exit with 1000 AI and reactor	102,124
	E156.001287	White Bear-OH Services	97,204
	E154.001274	Northwest-New OH Street Lights	83,046
	E154.001278	Northwest-New UG Street Lights	75,778
	E114.018045	MN - OH New Street Light Blanket	71,957
	E144.001182	Southeast-UG Streetlights	71,054
	E156.001290	White Bear-UG Street Lts	69,187
	E154.001276	Northwest-New OH Services	65,414
	E147.001215	Maple Grv-New UG Street Lights	56,376
	E143.002573	Install switches to eliminate N-1 on WIL77 4 MVA	51,125
	E156.001289	White Bear-OH Street Lights	48,258
	E143.001166	Edina-New OH Services	48,187
	E151.001243	St Paul-OH Streetlights	47,511
	E114.018354	MN - OH Street Light Rebuild Blanket	45,488
	E150.001228	Newport-OH Streetlights	41,453
	E147.001211	Maple Grv-New OH Street Lights	37,016
	E142.001153	Mntka-New OH Street Lights	31,510
	E143.001168	Edina-New OH Street Lights	26,098
	E150.001225	Newport-OH Services	24,810
	E142.001151	Mntka-OH Services	16,943
	E141.000640	Install a new tie to PKL85 to eliminate N-1 on MEL65	14,194
	E151.001244	St Paul-UG Street Lights	12,016
	E147.001213	Maple Grv-OH Services	7,955
	E142.001154	Mntka-New UG Street Lights	(5,632)
	E141.001139	Mpls-New UG Street Lights	(73,080)
Non-Investment			
	E154.015448	Northwest Solar Garden Extensions	5,151,639
	E156.015451	NSPM Solar Garden Extensions	1,840,205
	E103.016480	Solar Garden Sub Work	1,836,106
	E141.001140	Electric New Construction Contributions in Aid	1,657,734
	E142.015450	NSPM Solar Garden Extensions	1,625,901
	E103.016887	Solar Garden Communication Line Equip	1,058,420
	E144.016140	Aurora Solar Project SE	820,212
	E150.015447	NSPM Solar Gargen Extensions	778,408
	E154.016124	Aurora Solar Project NW	152,189
	E114.010645	Clearing WO for CRS credits	82,085
	E156.016141	Aurora Solar Project WBL	32,482
	NA	Misc Solar	15,579
	E141.016062	Solar Garden Ext - Mpls	262
	E143.001170	Electric New Construction Contributions in Aid	(31,354)
	E147.001216	Electric New Construction Contributions in Aid	(69,585)
	E103.016481	Solar Garden Sub COMM	(70,611)
	E154.001279	Electric New Construction Contributions in Aid	(87,746)
	E151.001245	Electric New Construction Contributions in Aid	(108,332)
	E156.001291	Electric New Construction Contributions in Aid	(168,128)
	E103.016885	Aurora Solar - Business Systems Comm Related	(176,952)
	E143.015445	NSPM Solar Garden Extensions	(194,320)
	E150.016123	Aurora Solar Project NPT	(206,134)
	E142.016122	Geronimo Aurora Solar Projects	(219,192)
	E142.001155	Electric New Construction Contributions in Aid	(243,987)
	E150.001230	Electric New Construction Contributions in Aid	(295,170)
	E144.001183	Electric New Construction Contributions in Aid	(800,664)

IDP Category	Mitigation Number	Mitigation Name	2017 Expenditures
	E103.016168	Aurora Solar Sub Comm	(1,856,755)
	E144.015449	Southeast Solar Garden Extensions	(5,777,385)
Other			
	E103.001041	MN-New Bus Transformer	16,884,576
	NA	Fleet Purchases	14,450,660
	E114.017857	MN Elec Mixed Work Adjustment	1,790,556
	E103.010660	VAR System Project	660,807
	E103.014464	Replace Frame Relays in NSPM	583,709
	E103.002265	Capitalized Locating Costs-Elec UG MN	488,411
	E103.010365	NSPM General Equipment - Communications	365,585
	E141.001133	Mpls-Electric Tools & Equip	348,912
	E103.011405	Install feeder load monitoring at selected subs	310,754
	E151.001252	St Paul-Elec Tools & Equip	287,385
	E103.002100	2002 Spec Cnstr - Sm Tool/Equipment Blanket for NSPM	270,784
	C103.002113	Tools & Equipment-Transportation Blanket	240,970
	E144.001190	Southeast-Elec Tools & Equip	237,064
	E103.013581	Remote Fault Indication and Load Monitors	194,632
	E154.001273	Northwest-Elec Tools/Equip	178,413
	E103.013585	Substation new RTU and FLM	171,677
	E142.001149	Mntka-Elec Tools/Equip	152,329
	E103.001738	MN Subs tools & equip	143,693
	E103.002099	NSPM Metering Sys-Tools & Equipment Blanket	102,484
	C115.006786	Logistics-NSPM Tools Blanket	97,537
	E153.001257	SD-Tools & Equip	79,656
	E145.013434	ND-Dist Sub Communication Equipment	77,872
	E150.001223	Newport-Elec Tool/Equip	68,553
	E143.001164	Edina-Elect Tool/Equip	55,012
	NA	Replace Frame Relays in NSPM	53,369
	E103.014467	Sub Fiber Communication Cutover	44,550
	E156.001297	White Bear-Electric Tools & Eq	43,504
	E147.001210	Maple Grv-Electric Tools & Equip	29,680
	C103.013336	Tools and Equipment - Locating	29,180
	E103.001739	MN Subs Constr tools	28,722
	E103.013567	Install feeder load monitoring at selected subs	26,237
	E145.001206	ND-Electric Tools & Equip	15,270
	NA	Elec Dist Communications Softw	6,948
	E118.017461	Land for Turkey Ridge Radio Tower	2,052
	E114.006438	Intelliteam SG Rollout	985
	E141.003695	Univ of MN Lease for Ductline/Reimbursement	(187,304)
	E103.012099	Capitalized-MN-Sales Tax Rfd - Elec	(3,345,196)
System Expansion or Upgrades for Reliability and Power Quality			
	E103.003453	Tap Cable Replacement 2nd Tier Minnesota	14,950,947
	E114.018277	MN - URD Cable Replacement Blanket	3,378,027
	E114.018471	MN - Feeder Cable Repl Blanket Proactive	1,758,968
	E114.018278	MN - Feeder Cable Replacement Blanket	947,270
	E103.001044	NSPM-Poor Performing Fdr Blanket	870,082
	E114.007693	Reliability Monitoring System (REMS): MN	337,083
	E103.009970	Mainline Cable Replacement - Proactive 2nd Tier - NSPM	188,932
	E103.003452	Mainline Cable Replacement - Reactive - NSPM	160,891
	E114.018343	MN - Network Renewal Blanket	136,012
	E142.012191	Reliability Upgrades (REMS) to BLC063 feeder	62,962
	E114.018179	MN - REMS Blanket	8,731
Grand Total			201,022,444

	Mitigation		2018
IDP Category	Number	Mitigation Name	Expenditures
Age-Related Replacements and Asset Renewal			
	E114.018129	MN - Pole Replacement Blanket	9,453,931
	E114.005559	MN Major Storm Recovery BlanketMN	9,370,453
	E114.018176	MN - OH Rebuild Tap/Backbone/Sec Blkt	7,433,326
	E114.018274	MN - UG Conversion/Rebuild Blanket	5,979,740
	E114.018275	MN - UG Services Renewal Blanket	5,105,975
	E141.012673	Replace Fifth Street FST Switchgear	3,584,104
	E114.018177	MN - OH Rebuild All Other Type Blkt	3,302,804
	E142.011006	SSI: Install Waconia TR2	1,919,754
	E103.011959	MN Mobile TR/Subs Reserve Capacity	1,769,535
	E114.018355	MN - UG Street Light Rebuild Blanket	1,717,940
	E103.004666	Hollydale - Replace Failed 69kV/13.	1,645,482
	E103.014456	Replace 5 distribution breakers at Merriam Park	1,581,129
	E103.016837	MN Failed Sub TR Replacement	1,432,352
	E141.018795	ELR MPLS Network Protectors	1,047,189
	E103.009150	SPCC NSPM Oil Spill Prevention	1,003,013
	E114.018354	MN - OH Street Light Rebuild Blanket	962,893
	E154.017782	Convert load and remove Industrial sub for city	892,520
	E151.016697	STP UG Network Vault Blanket	677,514
	E103.013521	ELR MN Sub RTUs	645,165
	E141.017924	Golden Valley Road OH to UG	610,668
	E114.017857	MN Elec Mixed Work Adjustment	592,897
	E103.011423	RCSII Replacement Project - NSPM	504,775
	E103.012603	ELR MN Sub Regulators	456,883
	E103.011891	ELR MN Sub Switches	453,314
	E103.017653	ELR MN Sub Batteries	446,865
	E103.009312	SSI: MN Infrastructure Investment	442,975
	E103.013804	Upgrade fence at Buffalo Lake	439,597
	E151.013639	ELR STP Vault Tops	397,206
	E144.017589	Rebuild Yellow Medicine YLM211 & YLM212	389,654
	E154.013611	SSI: Convert Echo 4kV to 23.9kV	340,676
	E141.017359	MPLS UG Network Vault Blanket	302,999
	E103.016931	Battery Upgrade for Frame Relay Replacements - NSPM	301,810
	E144.018871	PIP090 Interset Poles	289,865
	E150.018675	Replace Afton TR2 with System Reserve	283,794
	E103.016671	Purchase reserve transformer 7 MVA 69- 12.5 KV	216,699
	E153.012431	Convert SOS 4kV to 13.8kV	208,481
	E114.018479	MN - Pole Transfer 3rd Party Blanket	203,168
	E114.017864	MN/Capital Pole Inspections	172,496
	E114.018178	MN - OH Services Renewal Blanket	162,256
	E144.018411	Rebuild Clara City CLC221	101,496
	E150.013542	Woodbury Drive Road Move 3000ft Feeder at Bailey	76,024
	E141.019319	Relocation 4th Street Road Project	74,142
	E103.014355	Rewind failed 115KV - 13.8KV 70MVA transformer	42,132
	E144.013060	M&R Dairy Rebuild	34,258
	E151.018796	ELR STP Network Protectors	33,593
	E141.013910	St. Anthony Falls Hydro 15kV Cable Replacement	29,500
	E150.018891	Replace Linde LND TR1	13,064
	E147.017834	Bass Lake Road OH-UG	8,179
	E103.019028	Reserve Transformer 70MVA at 115-34.5kV	4,617
	E103.016670	Purchase reserve transformer 14 MVA 69- 13.8 KV	2,727
	E147.004711	Funding for CO109 Gravel Pit phase	606
	E156.008247	WBL Tap Cables	24
	E114.006616	MN Replace/Reinforce Non-Compliant Poles	(398)
	E151.016970	MLS stadium OH/UG Relocation	(1,225)
	E141.001664	ELR MPLS Vault Tops	(1,756)
	E151.016150	Hamline Station	(1,910)
	E142.004727	Co Rd 109, Phase 2-UG Conv	(3,366)
	E151.016446	Jackson St Rebuild	(3,950)
	E141.017360	Chicago - Washington Relocation	(4,409)
	E143.014668	WIL086 OH to UG Conversion	(5,919)
	E103.012612	ELR MN Sub TRs	(6,688)
	E154.011354	Install Cottonwood stepdowns to enable retirement of sub	(8,026)
	E142.009661	OH Rebuild Mtka increase	(11,233)
	E151.012282	Reconductor RAM73 Mainline	(17,953)
	E154.012309	Remove Eden Valley to Watkins line	(34,389)
	E147.001209	Maple Grv-OH Rebuilds	(49,455)
	E156.001292	White Bear-OH Rebuilds	(62,039)

IDP Category	Mitigation Number	Mitigation Name	2018 Expenditures
	E150.003703	Woodbury Lakes OH to UG conversion	(63,741)
	E141.001141	Mpls-OH Rebuilds	(226,848)
	E143.013748	SAV River Crossing	(234,906)
	E150.019520	Flint Hills Vessel Relocation	(258,314)
	E147.002745	RM: Relocate OH mainline for Hwy 241 from Co Rd 19 to McIver Ave NE: St Michael MN: LAP311	(261,846)
	E141.010286	Replace Dustproof protectors	(378,829)
System Expansion or Upgrades for Capacity			
	E154.010161	Install 2nd transformer at Sauk River	2,183,735
	E154.003375	Install 35KV transformer at Salida Crossing	1,494,443
	E144.013448	SSI: Add 2nd 23.9kV Transformer and feeder at Waterville	1,447,111
	E144.013445	Add 50MVA Eastwood TR3 and feeders	1,375,271
	E103.018426	SUB MN Feeder Load Monitoring	1,182,687
	E114.018181	MN - OH Reinforce Blkt Tap/Back/Sec	975,268
	E114.018344	MN - Network Reinforcement Blanket	854,861
	E153.012465	Install tie for SOS062	854,421
	E114.018279	MN - UG Reinforce Blkt Tap/Back/Sec	771,673
	E142.016725	Reinforce GNL072 feeder capacity	611,297
	E114.018280	MN - UG Reinforce Blkt All Other	575,271
	E143.016728	Reinforce HYL feeder exits	555,134
	E154.002523	Reinforce Lowry TR and replace regulators	500,587
	E141.010910	Install Wilson WIL TR4 & Feeders	426,607
	E144.014347	Add Dundas 072 Feeder	326,933
	E114.018182	MN - OH Reinforce Blkt All Other	297,731
	E114.018342	MN - New Business Network Blanket	212,314
	E142.011017	Reinforce GSL65 feeder ties	165,639
	E154.018812	Atwater Replace ATW062 Breaker	156,118
	E150.012576	Install South Washington ERU Sub	154,724
	E150.014325	Extend ALK064	153,605
	E143.018586	Health Partners ATO 8170 33RD AVE S	135,358
	E141.017363	365 Nicollet Residential Tower	95,287
	E154.006387	New First Lake substation in Monticello, MN	58,219
	E150.019265	Upgrade Capacity CHE62/72 for 3M	41,654
	E141.017687	Load Transfer TER065 to TER073, TER085	19,496
	E141.017671	MEL073,Cut load to MEL065	9,193
	E154.015728	Reinforce St Cloud SCL TR2	3,833
	E142.014829	Install 2nd feeder at Plato	3,049
	E147.011058	Plymouth-Area Power Grid Upgrades	3,049
	E150.015662	Install Chemolite CHE065 Feeder	2,306
	E156.002804	Add 2nd bank at Baytown to eliminate N-1 risk	1,828
	E154.013633	SSI: Convert Hector 4kV to 13.8kV	1,766
	E144.012835	Reconductor 2 mi SCH211 feeder.	1,475
	E144.016597	Add Crystal Foods 62 Feeder	987
	E141.014517	New ELP feeder	(0)
	E144.016590	Belle Plaine Battery plus Solar Project	(37)
	E141.016992	CABLE DUCT Millwright Bldg 321 5th Av	(472)
	E144.001187	Southeast-UG Reinforcements	(1,905)
	E151.011613	Rebuild Public Health Vault	(2,785)
	E141.002682	Replace Failed Network Protectors on FST Network	(3,889)
	E141.017361	JAPS-OLSON 7500 Excelsior Blvd	(4,074)
	E154.002521	Install second bank at Fiesta City	(5,841)
	E147.013375	Reconfigure feeder ties CNC073	(7,553)
	E154.012597	Upgrade Freeport substation to 12.5kV	(55,400)
	E141.018733	Reinforce Daytons Vault 3	(61,628)
	E141.014694	U of M CHP Express Feeders	(66,873)
	E142.013447	Install TR at new Hazeltine sub	(72,763)
	E141.018732	Reinforce Daytons Vault 2	(298,646)
Projects related to Local (or other) Government-Requirements			
	E114.018173	MN - OH Reloc Tap/Backbone/Sec Blkt	6,120,312
	E141.018906	8th Street Relocation Hennepin to Chicago	5,640,318
	E114.018271	MN - UG Reloc Tap/Backbone/Sec Blkt	3,910,646
	E114.018174	MN - OH Reloc All Other Type Blkt	3,472,963
	E143.017843	CSAH 53 OH to UG	2,942,293
	E114.018272	MN - UG Reloc All Other Type Blkt	1,276,821
	E150.018807	Hwy 95 Reconstruction (Manning)	864,758
	E141.017519	35W Relocation 40th to Franklin	780,342
	E114.018273	MN - UG Service Conversion Blanket	621,821
	E143.019229	Hopkins OH-UG 325 Blake Road N	553,126
	E114.018479	MN - Pole Transfer 3rd Party Blanket	522,941
	E154.019018	Sartel Pinecone Road Elec Reloc	450,641

IDP Category	Mitigation Number	Mitigation Name	2018 Expenditures
	E151.018808	McKnight Ave OH Feeder Relocation	449,138
	E144.019239	County 18 Relocation Project	368,466
	E154.018868	SCL 33rd South Improvements	328,050
	E142.018619	Co Rd 30 Road Move	282,905
	E144.019253	RDW 301 Potter St Relocation	242,115
	E141.016028	5601 Lake St PMH Relocation	109,915
	E143.019345	Relocation Hwy 35 106th St to Cliff Rd	63,356
	E142.018744	MTK-Woodhill Road-OH to UG	56,180
	E151.001251	St Paul-UG Relocations	8,740
	E142.001160	Mntka-UG Relocations	4,482
	E143.016745	Normandale Blvd - Relocate UG facilities for road widening	4,101
	E143.005672	EDP/ANDERSON LAKES & HWY 169/RELOCA	3,601
	E141.002215	Mpls-UG Service Conv	1,724
	E142.002216	Mntka-UG Service Conv	1,510
	E141.014116	Washington Ave Relocation - Hennipin to 5th Ave	546
	E143.000159	Road Widening Minnetonka CR5 and CR73	6
	E156.002218	White Bear-UG Service Conv	5
	E156.001296	White Bear-UG Relocations	4
	E143.002217	Edina-UG Service Conv	(16)
	E151.016971	White Bear Ave Relocation	(27)
	E147.001221	Maple Grv-UG Relocations	(466)
	E156.014239	RAM071 - Cty Rd B Road Work Maplewood	(470)
	E144.012864	County Road 20 Road Move	(799)
	E147.004557	Medina-Hwy 101 Overhead Fdr-RM	(1,107)
	E150.011418	Hastings Bridge Re-route ductbank for pier #5 Hwy 61	(1,634)
	E141.016274	Nicollet Mall Street Scape	(1,865)
	E147.014690	Hwy 610 Extension	(12,443)
	E141.015301	Douglas Dr OH-UG Conversion	(38,692)
	E142.008544	County Rd 17, Delano, Road Move	(38,931)
	E154.007065	Hwy 101 and County Rd 36 Overhead Relocation	(40,555)
	E142.018982	VCR 1670 Stieger Lake Lane OH to UG	(98,074)
Metering			
	E103.001040	MN-Electric Meter Blanket	5,889,493
New Customer Projects and New Revenue			
	E114.018268	MN - UG Extension Blanket	20,129,145
	E114.018269	MN - UG New Services Blanket	7,958,387
	E114.015600	MN LED Streetlight Program	5,492,183
	E114.018792	MN LED Post Top Conversion	2,798,071
	E114.018171	MN - OH Extension Blanket	2,383,602
	E114.018046	MN - UG New Street Light Blanket	1,313,558
	E114.018172	MN - OH New Services Blanket	722,793
	E114.018045	MN - OH New Street Light Blanket	471,974
	E142.019281	Woodland Cove JT Extension	299,988
	E142.001154	Mntka-New UG Street Lights	86,416
	E144.001181	Southeast-OH Streetlights	36,504
	E144.003805	Wanamingo - Pine Ridge development 82 units	34,757
	E156.001299	White Bear-UG Extensions	28,833
	E150.005996	Newport-UG Extensions	24,947
	E141.017364	1910 Queen Ave N Extension	20,815
	E147.001215	Maple Grv-New UG Street Lights	18,623
	E144.001178	Southeast-OH Services	15,671
	E151.001240	St Paul-OH Services	5,198
	E147.014741	Olympus Technologies Service	4,761
	E143.002572	Install Feeder tie to eliminate N-1 on WIL86 4.9 MVA	4,408
	E156.001286	White Bear-OH Extension	3,262
	E142.001152	Mntka-New UG Services	2,463
	E143.001168	Edina-New OH Street Lights	1,889
	E144.002761	Switch load to new Summit Ave Bank #2 Feeder	1,545
	E141.010560	Serve Children's Hosiptal Addition (ATO and Pri Svc)	1,019
	E143.002573	Install switches to eliminate N-1 on WIL77 4 MVA	727
	E147.001214	Maple Grv-New Elec UG Services	648
	E154.001276	Northwest-New OH Services	234
	E154.011195	Paynesville Mastermark Plastic NB Convert to 35kV	195
	E142.010321	New Germany Trophy Lake 45 lot URD	27
	E151.015041	Port Authority Barge Road	4
	E141.001135	Mpls-OH Services	(40)
	E156.001287	White Bear-OH Services	(64)
	E142.001150	Mntka-OH Extension	(68)
	E151.001241	St Paul-UG Services	(115)

IDP Category	Mitigation Number	Mitigation Name	2018 Expenditures
	E156.001555	Upgrade feeder exit with 1000 Al and reactor	(374)
	E154.001277	Northwest-New UG Services	(426)
	E143.001167	Edina-UG Services	(498)
	E150.014745	Dakota Aggregate-RMT312 Extend OH 5500ft	(554)
	E150.001226	Newport-UG Services	(2,263)
	E144.001179	Southeast-UG Services	(2,545)
	E141.001139	Mpls-New UG Street Lights	(4,236)
	E141.001138	Mpls-New OH Street Lights	(4,771)
	E154.001274	Northwest-New OH Street Lights	(6,432)
	E143.001169	Edina-New UG Street Lights	(9,133)
	E150.001229	Newport-UG Streetlights	(19,577)
	E156.001288	White Bear-UG Services	(20,973)
	E154.001278	Northwest-New UG Street Lights	(21,161)
	E147.019271	Takeda UG Extension and ATO	(29,595)
	E154.001271	Northwest-UG Extensions	(34,445)
	E156.001290	White Bear-UG Street Lts	(49,242)
	E141.017362	365 Nicollet Construction Power	(62,717)
Non-Investment			
	E144.015449	Southeast Solar Garden Extensions	5,863,042
	E154.016124	Aurora Solar Project NW	519,414
	E147.017018	Solar Garden Ext - Maple Grove	362,619
	E143.015445	NSPM Solar Garden Extensions	96,675
	E141.016062	Solar Garden Ext - Mpls	62,565
	E156.001291	Electric New Construction Contributions in Aid	51,626
	E142.001155	Electric New Construction Contributions in Aid	30,243
	E150.001230	Electric New Construction Contributions in Aid	28,337
	E143.001170	Electric New Construction Contributions in Aid	11,254
	E144.001183	Electric New Construction Contributions in Aid	4,438
	E147.001216	Electric New Construction Contributions in Aid	2,481
	E103.016885	Aurora Solar - Business Systems Comm Related	(2)
	E156.016141	Aurora Solar Project WBL	(245)
	E151.001245	Electric New Construction Contributions in Aid	(3,509)
	E114.010645	Clearing WO for CRS credits	(3,992)
	NA	Misc Solar	(15,181)
	E154.001279	Electric New Construction Contributions in Aid	(18,890)
	E150.016123	Aurora Solar Project NPT	(102,871)
	E103.016481	Solar Garden Sub COMM	(132,495)
	E103.016887	Solar Garden Communication Line Equip	(137,318)
	E142.016122	Geronimo Aurora Solar Projects	(150,712)
	E144.016140	Aurora Solar Project SE	(411,808)
	E142.015450	NSPM Solar Garden Extensions	(1,163,374)
	E103.016168	Aurora Solar Sub Comm	(1,209,139)
	E156.015451	NSPM Solar Garden Extensions	(1,489,607)
	E150.015447	NSPM Solar Gargen Extensions	(1,853,493)
	E141.001140	Electric New Construction Contributions in Aid	(4,225,196)
	E154.015448	Northwest Solar Garden Extensions	(4,596,081)
	E103.016480	Solar Garden Sub Work	(7,017,039)
Other			
	E103.001041	MN-New Bus Transformer	27,142,933
	NA	Fleet Purchases	9,537,459
	C103.002113	Tools & Equipment-Transportation Blanket	652,303
	E103.011405	Install feeder load monitoring at selected subs	474,221
	E145.013434	ND-Dist Sub Communication Equipment	340,682
	E103.001738	MN Subs tools & equip	232,431
	E151.001252	St Paul-Elec Tools & Equip	151,061
	E114.018047	MN - Communication Equipment Blanket	136,429
	E141.001133	Mpls-Electric Tools & Equip	129,499
	C115.006786	Logistics-NSPM Tools Blanket	123,632
	E103.018427	COMM MN Feeder Load Monitoring	121,393
	E145.001206	ND-Electric Tools & Equip	85,479
	E103.010660	VAR System Project	83,303
	E103.013567	Install feeder load monitoring at selected subs	83,163
	E103.010365	NSPM General Equipment - Communications	78,865
	E154.001273	Northwest-Elec Tools/Equip	77,181
	E154.003375	Install 35KV transformer at Salida Crossing	52,401
	E103.013585	Substation new RTU and FLM	50,615
	E153.001257	SD-Tools & Equip	46,017
	E142.001149	Mntka-Elec Tools/Equip	39,624
	E103.002100	2002 Spec Cnstr - Sm Tool/Equipment Blanket for NSPM	34,931

IDP Category	Mitigation		2018 Expenditures
	Number	Mitigation Name	
	E144.001190	Southeast-Elec Tools & Equip	30,517
	E143.001164	Edina-Elect Tool/Equip	25,865
	C103.013336	Tools and Equipment - Locating	21,088
	E150.001223	Newport-Elec Tool/Equip	17,458
	E103.014464	Replace Frame Relays in NSPM	13,496
	E103.014467	Sub Fiber Communication Cutover	8,221
	E156.001297	White Bear-Electric Tools & Eq	5,050
	NA	Scrap Sale Credit Com Gen NSP-	(221)
	E103.013581	Remote Fault Indication and Load Monitors	(1,360)
	E103.002099	NSPM Metering Sys-Tools & Equipment Blanket	(1,362)
	E103.002265	Capitalized Locating Costs-Elec UG MN	(198,310)
	E141.003695	Univ of MN Lease for Ductline/Reimbursement	(248,379)
System Expansion or Upgrades for Reliability and Power Quality			
	E114.018277	MN - URD Cable Replacement Blanket	19,735,436
	E114.018180	MN - FPIP Blanket	1,454,793
	E114.018278	MN - Feeder Cable Replacement Blanket	1,195,085
	E114.018343	MN - Network Renewal Blanket	898,220
	E114.018471	MN - Feeder Cable Repl Blanket Proactive	745,732
	E114.018179	MN - REMS Blanket	490,462
	E103.001044	NSPM-Poor Performing Fdr Blanket	(3,831)
	E103.009970	Mainline Cable Replacement - Proactive 2nd Tier - NSPM	(10,615)
	E103.003453	Tap Cable Replacement 2nd Tier Minnesota	(142,582)
Grid Modernization and Pilot Projects			
	NA	AGIS	429,193
Grand Total			205,565,102

IDP Category	Mitigation	Mitigation Name	2019 Expenditures
Age-Related Replacements and Asset Renewal			
	E114.018129	MN - Pole Replacement Blanket	\$16,187,637
	E114.018176	MN - OH Rebuild Tap/Backbone/Sec Blkt	\$11,018,414
	E114.018275	MN - UG Services Renewal Blanket	\$6,723,445
	E114.005559	MN Major Storm Recovery BlanketMN	\$6,406,731
	E114.017857	MN Elec Mixed Work Adjustment	\$5,014,909
	E114.018274	MN - UG Conversion/Rebuild Blanket	\$4,114,972
	E141.012673	Replace Fifth Street FST Switchgear	\$3,496,946
	E114.018355	MN - UG Street Light Rebuild Blanket	\$2,933,310
	E144.013448	SSI: Add 2nd 23.9kV Transformer and feeder at Waterville	\$2,257,112
	E103.001736	MN Failed Sub Equip Replacement	\$2,255,898
	E150.018891	Replace Linde LND TR1	\$1,008,523
	E141.018795	ELR MPLS Network Protectors	\$1,003,478
	E103.009150	SPCC NSPM Oil Spill Prevention	\$990,666
	E103.019028	Reserve Transformer 70MVA at 115-34.5kV	\$971,677
	E144.019617	Rebuild Sacred Heart SCH211	\$800,001
	E144.018411	Rebuild Clara City CLC221	\$738,489
	E150.019520	Flint Hills Vessel Relocation	\$733,666
	E154.019464	T Rebuild West St Cloud to Millwood	\$700,000
	E151.018796	ELR STP Network Protectors	\$631,458
	E144.017589	Rebuild Yellow Medicine YLM211 & YLM212	\$614,615
	E141.019939	Replace Fifth Street Fire Suppression System	\$550,000
	E103.011890	ELR MN Sub Feeder Breakers	\$513,004
	E114.018354	MN - OH Street Light Rebuild Blanket	\$481,490
	E151.019642	2235 Highland - Duct Rebuild	\$414,870
	E103.016837	MN Failed Sub TR Replacement	\$378,762
	E142.019346	2440 Plymouth Rd OH-UG Conversion	\$359,995
	E103.019030	Reserve Transformer 14MVA at 69-13.2kVA	\$350,603
	E143.019819	France Ave OH-UG	\$314,920
	E103.012586	ELR MN Sub Relays	\$301,464
	E103.012603	ELR MN Sub Regulators	\$298,816
	E103.006458	ELR MN Sub Retirements	\$289,552
	E103.012606	ELR MN Sub Fences	\$270,267
	E141.019578	Update HVAC System in 5th St. Sub	\$225,000
	E151.013639	ELR STP Vault Tops	\$193,123
	E103.017653	ELR MN Sub Batteries	\$180,622
	E141.019522	FST - Replace Lighting System	\$151,340
	E114.018178	MN - OH Services Renewal Blanket	\$137,446
	E103.013521	ELR MN Sub RTUs	\$125,157
	E154.013611	SSI: Convert Echo 4kV to 23.9kV	\$105,973
	E103.011891	ELR MN Sub Switches	\$99,234
	E103.010754	NSM - Pole Trussing	\$89,990

IDP Category	Mitigation	Mitigation Name	2019 Expenditures
	E103.011959	MN Mobile TR/Subs Reserve Capacity	\$76,368
	E103.011423	RCSII Replacement Project - NSPM	\$65,402
	E151.013595	SSI: Convert St Clair 4kV to 13.8kV	\$53,517
	E144.018871	PIP090 Interset Poles	\$38,101
	E141.017360	Chicago-Washington Relocation OH/UG Conv	\$11,075
	E103.009312	SSI: MN Infrastructure Investment	\$7,551
	E114.017864	MINNESOTA POLE INSPECTIONS	\$3,956
	E103.016671	Purchase reserve transformer 7 MVA 69- 12.5 KV	\$3,612
	E150.018675	Replace Afton TR2 with System Reserve	\$1,729
	E114.018276	MN - Line Asset Health WCF Blanket	\$1,638
	E142.011006	SSI: Install Waconia TR2	\$1,537
	E103.019429	Reserve TR 115/13.8 kV 70 MVA	\$1,445
	NA	Mpls-Oh Rebuilds	\$641
	NA	Replace 7 CM2 Network Protecto	\$395
	NA	Maple Grv-Oh Rebuilds	\$37
	E147.017834	Bass Lake Road OH-UG	(\$5,108)
	E141.017359	MPLS UG Network Vault Blanket	(\$39,839)
	E151.016697	STP UG Network Vault Blanket	(\$125,047)
	E142.001156	Mntka-UG Conversion/Rebuild	(\$259,758)
	E141.017924	Golden Valley Road OH to UG	(\$277,121)
	E154.017782	Convert load and remove Industrial sub for city	(\$1,469,055)
System Expansion or Upgrades for Capacity			
	E154.003375	Install 35KV transformer at Salida Crossing	\$3,747,739
	E114.018344	MN - Network Reinforcement Blanket	\$2,969,789
	E154.010161	Install 2nd transformer at Sauk River	\$2,363,307
	E141.010910	Install Wilson WIL TR4 & Feeders	\$1,705,650
	E154.015728	Reinforce St Cloud SCL TR2	\$1,405,981
	E114.018279	MN - UG Reinforce Blkt Tap/Back/Sec	\$1,194,816
	E147.011058	Plymouth-Area Power Grid Upgrades	\$1,043,598
	E144.014347	Add Dundas 072 Feeder	\$940,919
	E144.018970	Reinforce Medford Junction MDF TR1	\$935,737
	E103.018426	SUB MN Feeder Load Monitoring	\$852,208
	E150.012576	Install South Washington ERU Sub	\$744,278
	E114.018181	MN - OH Reinforce Blkt Tap/Back/Sec	\$552,846
	E114.018342	MN - New Business Network Blanket	\$434,013
	E150.011740	Add feeder WBP062	\$352,000
	E156.014539	Reinforce Tanners Lake TLK077	\$300,000
	E151.017618	Transfer WES062 load to WES063	\$200,000
	E156.017629	Reinforce RAM071 BCT	\$183,488
	E150.019059	T Reinforce Red Rock RRR TR2	\$175,000
	E150.010904	Install Rosemount RMT TR2 & Feeder	\$120,000
	E150.014325	Extend ALK064	\$62,242
	E154.014561	Remove and Retire Empire Park substation	\$60,000

IDP Category	Mitigation	Mitigation Name	2019 Expenditures
	E141.014694	U of M CHP Express Feeders	\$9,912
	E103.001735	MN-Sub Capacity Reinforcement	\$8,128
	E142.013447	Install new sub Lake Bavaria	\$5,177
	E150.019265	Upgrade Capacity CHE62/72 for 3M	\$1,480
	E142.011017	Reinforce GSL65 feeder ties	\$1,166
	E143.016728	Reinforce HYL feeder exits	\$723
	E141.016992	CABLE DUCT Millwright Bldg 321 5th	(\$183)
	NA	Mpls- New Ug Network	(\$226)
	E154.013633	SSI: Convert Hector 4kV to 13.8kV	(\$1,766)
	E141.001143	Mpls-UG Reinforcement	(\$2,026)
	E141.018733	Reinforce Daytons Vault 3	(\$12,935)
	E151.019521	United Hospital SG Replacement	(\$26,798)
	E142.016725	Reinforce GNL072 feeder capacity	(\$29,837)
	E147.016782	Extend IDA064 Feeder	(\$34,450)
	E114.013397	Substation Land - MN	(\$41,780)
	E156.002804	Inst BYT#2 28 MVA	(\$43,556)
	E154.018812	Atwater Replace ATW062 Breaker	(\$168,562)
	E143.018586	Health Partners ATO 8170 33RD AVE S	(\$544,608)
Projects related to Local (or other) Government-Requirements			
	E141.018906	8th Street Relocation Hennepin to Chicago	\$8,128,273
	E114.018271	MN - UG Reloc Tap/Backbone/Sec Blkt	\$7,384,515
	E114.018173	MN - OH Reloc Tap/Backbone/Sec Blkt	\$6,932,293
	E141.019412	Relocation Hennepin Ave Road Project	\$3,423,108
	E141.019192	Relocation MPLS SWLRT Road Project	\$1,145,076
	E142.019440	Hwy 101 Bridge Relocation	\$929,122
	E150.018807	Hwy 95 Reconstruction (Manning)	\$899,347
	E156.019826	Rice St & 694 Roundabout Recon	\$810,706
	E150.019563	Oakdale and Marie Trl Relocation	\$565,559
	E150.019641	County Road 8-Wentworth Ave	\$547,507
	E114.018273	MN - UG Service Conversion Blanket	\$535,333
	E114.018479	MN - Pole Transfer 3rd Party Blanket	\$507,573
	E144.019772	Madison Ave & Haefner Dr Relocation	\$417,912
	E150.019616	Dakota County Hwy 50 Relocation	\$330,022
	E154.018868	SCL 33rd South Improvements	\$289,921
	E141.019422	Relocation Hennepin Ave Road Project	\$134,999
	E150.019919	Wescott Relocation	\$74,000
	E141.019319	Relocation 4th Street Road Project	\$73,262
	E143.013574	Relocation EDINA SWLRT Road Project	\$57,369
	E141.019410	COMP Relocation MPLS SWLRT Road Project	\$52,645
	E143.019409	COMP Relocation EDINA SWLRT Road Project	\$46,112
	E151.018808	McKnight Ave OH Feeder Relocation	\$20,788
	E154.016854	2nd St N UG Relocation Project	\$19,656
	E142.018619	Co Rd 30 Road Move	\$19,085

IDP Category	Mitigation	Mitigation Name	2019 Expenditures
	E154.019018	Sartel Pinecone Road Elec Reloc	\$4,497
	E142.018982	VCR 1670 Stieger Lake Lane OH to UG	\$3,965
	NA	St Croix River Bridge	\$1,142
	E141.015301	Douglas Dr OH-UG Conversion	\$640
	E143.016745	Normandale Blvd - Relocate UG facil	\$299
	E103.011368	NSPM facility transfers from 3rd Party Owned Poles	(\$5,800)
	E142.018744	MTK-Woodhill Road-OH to UG	(\$15,343)
	E143.019345	Relocation Hwy 35 106th St to Cliff Rd	(\$164,900)
	E143.019229	Hopkins OH-UG 325 Blake Road N	(\$292,834)
	E143.017843	CSAH 53 OH to UG	(\$331,212)
	E141.017519	35W Relocation 40th to Franklin	(\$1,266,448)
Metering			
IDP Metering	E103.001040	MN-Electric Meter Blanket	\$6,705,021
New Customer Projects and New Revenue			
	E114.018268	MN - UG Extension Blanket	\$20,372,262
	E114.018269	MN - UG New Services Blanket	\$6,890,975
	E114.015600	MN LED Streetlight Program	\$3,566,878
	E114.018171	MN - OH Extension Blanket	\$2,902,571
	E114.018172	MN - OH New Services Blanket	\$690,152
	E114.018045	MN - OH New Street Light Blanket	\$399,026
	E114.018046	MN - UG New Street Light Blanket	\$129,222
	NA	Mpls-OH Extension	\$12,068
	E141.001138	Mpls-New OH Street Lights	\$11,913
	E142.019281	Woodland Cove JT Extension	\$5,727
	NA	Mpls-New UG Extension	\$5,722
	E147.019271	Takeda UG Extension and ATO	\$3,418
	E141.001135	Mpls-OH Services	\$2,506
	NA	Maple Grv- Elec Ug Extension	\$64
	E141.001139	Mpls-New UG Street Lights	(\$121)
	E141.001131	Mpls-New UG Extension	(\$1,182)
	NA	Southeast-Ug Services	(\$4,459)
	E141.001136	Mpls-New UG Services	(\$5,941)
	E114.018792	MN LED Post Top Conversion	(\$150,402)
Non-Investment			
	E144.015449	SE Solar Garden Extensions - E	\$4,875,487
	E154.016124	Extend facilities to serve NW	\$410,727
	E103.016481	MN-Solar Garden Sub Comm	\$166,670
	E142.015450	Solar Garden Ext - Shorewood	\$123,448
	E143.015445	Solar Garden Ext - Edina	\$33,886
	E144.016140	Aurora Solar Project SE	\$24,025
	E103.016168	Aurora Solar Sub Reinforcement	(\$6,830)
	E141.016062	Solar Garden Ext - MPLS	(\$47,699)
	E103.016480	MN-Solar Garden Sub Work	(\$301,772)
	E147.017018	Solar Garden Ext - Maple Grove	(\$373,096)

IDP Category	Mitigation	Mitigation Name	2019 Expenditures
	E103.016887	Solar Gardens Communications - CSG	(\$492,110)
	E156.015451	Solar Garden Ext - WBL	(\$1,341,847)
	E150.015447	Solar Garden Ext Newport - Ext	(\$1,619,282)
	E154.015448	Northwest Solar Gardens Ext	(\$1,995,134)
	E141.001140	Electric New Construction Contributions in Aid	(\$4,377,979)
Other			
	E103.001041	MN-New Bus Transformer	\$18,373,346
	NA	Fleet Purchases	\$5,847,873
	E103.002100	2002 Spec Cnstr - Sm Tool/Equipment Blanket for NSPM	\$872,092
	E103.002265	Capitalized Locating Costs-Elec UG MN	\$451,142
	NA	NSPM Week4 SES Accrual	\$412,000
	E103.018427	COMM MN Feeder Load Monitoring	\$392,308
	E103.001738	MN Subs tools & equip	\$233,309
	E153.001257	SD-Tools & Equip	\$76,707
	C115.006786	Logistics-NSPM Tools Blanket	\$73,590
	E145.013434	ND-Dist Sub Communication Equipment	\$73,077
	E103.011405	Install feeder load monitoring at selected subs	\$59,140
	E145.001206	ND-Electric Tools & Equip	\$48,678
	E103.010660	VAR System Project	\$35,047
	E144.013448	SSI: Add 2nd 23.9kV Transformer and feeder at Waterville	\$34,822
	E103.002099	NSPM Metering Sys-Tools & Equipment Blanket	\$34,822
	C103.002113	Tools & Equipment-Transportation Blanket	\$34,462
	E114.018047	MN - Communication Equipment Blanket	\$27,061
	E103.010365	NSPM General Equipment - Communications	\$3,340
	E145.019571	ND Office Furniture and Equipment	\$3,025
	E103.014467	Sub Fiber Communication Cutover	\$2,134
	NA	Frame Relay Replacement - SD	\$903
	E103.014464	Frame Relay Replacement - NSPM	\$15
	NA	NSPM- MN Comm Equip - Dist Lin	(\$18)
	NA	Scrap Sale Credit Com Gen NSP-	(\$31)
	NA	NSPM - SD Comm Equip - Dist Li	(\$2,915)
	NA	SD-Dist Fleet New Unit Purchase El Ops	(\$8,231)
	E141.003695	Scrap Sale Credits-MN	(\$135,336)
	E103.003619	MN-Dist Transportation Blanket Elec	(\$238,641)
System Expansion or Upgrades for Reliability and Power Quality			
	E114.018277	MN - URD Cable Replacement Blanket	\$15,372,251
	E114.018471	MN - Feeder Cable Repl Blanket	\$2,623,246
	E114.018180	MN - FPIP Blanket	\$1,205,062
	E114.018179	MN - REMS Blanket	\$404,205
	E144.020026	Porcelain Cutout Replacement	\$100,000
	E114.018343	MN - Network Renewal Blanket	\$55,430
	E103.003453	NSPM-Accelerated URD Cable Rep	(\$646)
Grid Modernization and Pilot Projects			
	E114.020058	MN Electric Vehicle Program	\$812,000

IDP Category	Mitigation	Mitigation Name	2019 Expenditures
	NA	AGIS	\$3,757,031
Grand Total			210,912,522

IDP Category	Mitigation	Mitigation Name	2020	2021	2022	2023	2024
Grid Modernization and Pilot Projects							
	NA	AGIS	\$10,350,543	\$41,211,082	\$131,903,272	\$140,519,221	\$61,990,821
	E114.020058	MN Electric Vehicle Program	\$9,528,000	\$8,082,000	\$9,815,000	\$11,862,000	\$14,759,000
Age-Related Replacements and Asset Renewal							
	E114.017857	MN Elec Mixed Work Adjustment	\$9,099,917	\$11,829,996	\$11,829,996	\$11,829,996	\$11,829,996
	E114.018176	MN - OH Rebuild Tap/Backbone/Sec Blkt	\$9,912,000	\$10,142,000	\$10,377,000	\$10,618,003	\$10,864,003
	E114.018178	MN - OH Services Renewal Blanket	\$103,000	\$105,003	\$107,000	\$109,000	\$112,000
	E114.018354	MN - OH Street Light Rebuild Blanket	\$822,000	\$844,000	\$865,000	\$888,000	\$888,000
	E114.018274	MN - UG Conversion/Rebuild Blanket	\$6,758,000	\$6,915,009	\$7,075,009	\$7,239,009	\$7,407,009
	E114.018275	MN - UG Services Renewal Blanket	\$2,903,009	\$2,970,002	\$3,039,009	\$3,110,002	\$3,182,000
	E114.018355	MN - UG Street Light Rebuild Blanket	\$788,000	\$809,002	\$830,000	\$852,000	\$852,000
	E141.017359	MPLS UG Network Vault Blanket	\$492,000	\$504,000	\$516,000	\$516,000	\$516,000
	E151.016697	STP UG Network Vault Blanket	\$244,000	\$250,004	\$256,000	\$256,000	\$256,000
	E103.001736	MN Failed Sub Equip Replacement	\$2,300,000	\$2,300,000	\$2,300,000	\$2,300,000	\$2,300,000
	E103.016837	MN Failed Sub TR Replacement	\$800,000	\$1,600,000	\$1,600,000	\$1,600,000	\$1,600,000
	E103.019429	Reserve TR 115/13.8 kV 70 MVA	\$552,000				
	E103.013577	Reserve TR 115/34.5 kV 70 MVA	\$800,000				
	E103.012618	Reserve TR 69/13.8 kV 28 MVA			\$550,000		
	E103.017653	ELR MN Sub Batteries	\$54,000	\$306,000	\$180,000	\$180,000	\$180,000
	E103.011890	ELR MN Sub Feeder Breakers	\$449,998	\$2,550,000	\$1,500,000	\$1,500,000	\$1,500,000
	E103.012606	ELR MN Sub Fences	\$75,008	\$425,008	\$250,000	\$250,000	\$250,000
	E103.012603	ELR MN Sub Regulators	\$60,000	\$340,000	\$200,000	\$200,000	\$200,000
	E103.012586	ELR MN Sub Relays	\$90,000	\$510,000	\$300,000	\$300,000	\$300,000
	E103.006458	ELR MN Sub Retirements	\$60,000	\$340,000	\$200,000	\$200,000	\$200,000
	E103.013521	ELR MN Sub RTUs	\$31,340	\$177,594	\$104,467	\$104,467	\$104,467
	E103.011891	ELR MN Sub Switches	\$30,000	\$170,000	\$100,000	\$100,000	\$100,000
	E103.012612	ELR MN Sub TRs			\$2,000,004	\$2,000,004	\$2,000,004
	E141.018795	ELR MPLS Network Protectors	\$250,004	\$750,004	\$1,000,000	\$1,000,000	\$1,000,000
	E141.001664	ELR MPLS Vault Tops		\$1,000,000	\$500,000	\$1,000,000	\$1,000,000
	E151.018796	ELR STP Network Protectors	\$250,004	\$750,004	\$1,000,000	\$1,000,000	\$1,000,000
	E151.013639	ELR STP Vault Tops	\$799,999	\$700,006	\$500,002	\$1,000,000	\$1,000,000
	E114.018129	MN - Pole Replacement Blanket	\$28,900,000	\$17,700,000	\$17,700,000	\$17,700,000	\$17,700,000
	E103.009150	SPCC NSPM Oil Spill Prevention	\$700,000				
	E144.013600	Convert Butterfield BTF 4kV			\$100,000	\$2,700,000	
	E144.013622	Convert Lafayette LAF 4kV				\$100,000	\$1,950,000
	E144.018411	Rebuild Clara City CLC221	\$800,001	\$599,999			
	E144.019617	Rebuild Sacred Heart SCH211	\$1,400,000				
	E144.017589	Rebuild Yellow Medicine YLM211 & YLM212	\$1,450,000	\$1,450,000	\$1,400,000		
	E141.017906	Replace Fifth Street FST Network RTU	\$200,000				
	E141.012673	Replace Fifth Street FST Switchgear	\$2,470,001				
	E150.018891	Replace Linde LND TR1	\$1,100,000				
	E154.019464	T Rebuild West St Cloud to Millwood	\$1,500,000	\$2,500,000	\$900,000		
	E114.018276	MN - Line Asset Health WCF Blanket	\$11,000,000	\$11,000,000	\$11,000,000	\$11,000,000	\$12,700,000
System Expansion or Upgrades for Capacity							
	E114.018342	MN - New Business Network Blanket	\$1,282,000	\$1,313,000	\$1,345,001	\$1,345,001	\$1,345,001
	E114.018181	MN - OH Reinforce Blkt Tap/Back/Sec	\$883,002	\$883,002	\$883,002	\$883,002	\$883,002
	E114.018279	MN - UG Reinforce Blkt Tap/Back/Sec	\$460,000	\$460,000	\$460,000	\$460,000	\$460,000
	E103.001735	MN-Sub Capacity Reinforcement	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
	E103.018426	SUB MN Feeder Load Monitoring	\$880,000	\$2,020,000	\$2,500,000	\$2,500,000	\$3,750,000
	E147.011058	Plymouth-Area Power Grid Upgrades	\$8,000,000	\$7,900,000			
	E150.019059	T Reinforce Red Rock RRR TR2	\$670,003				
	E150.019885	Install Jamaica JAM Area Sub	\$2,800,000				
	E144.018970	Reinforce Medford Junction MDF TR1	\$1,700,000				
	E147.019893	Install Switch Coon Creek CNC073	\$30,000				
	E144.007793	Reinforce Fair Park FAP TR1 & Fdr	\$1,300,000				
	E143.016730	Install Feeder Tie Wilson WIL081	\$300,000				
	E147.017741	Reinforce Osseo OSS062	\$200,000				
	E150.018967	Extend Red Rock RRR063	\$100,000				
	E144.017637	Load Transfer ESW062 to SMT061	\$100,000				
	E141.017739	Extend Main Street MST074	\$300,000				
	E143.016724	Reinforce Westgate WSG Feeders	\$550,000				
	E141.019911	Reinforce Medicine Lake MEL074	\$500,000				
	E141.019924	Install Hiawatha West HWW Feeder	\$1,200,000				

IDP Category	Mitigation	Mitigation Name	2020	2021	2022	2023	2024
	E141.019929	Install Midtown MDT Feeder		\$1,900,000			
	E141.019957	Extend Saint Louis Park SLP085	\$150,000				
	E147.015637	Install Feeder Tie Osseo OSS063	\$100,000				
	E150.019910	Load Transfer CGR062 to CGR071	\$950,000				
	E141.010910	Install Wilson WIL TR4 & Feeders	\$6,850,000	\$7,950,000			
	E143.019055	Reinforce Savage SAV063 & SAV067	\$1,100,004				
	E156.010177	Install Kohlman Lake KOL Feeder	\$1,000,000	\$600,000			
	E150.010914	Install Stockyards STY TR3 & Feeders		\$4,000,000	\$3,500,000		
	E156.015749	Install Baytown BYT Feeders		\$2,100,000	\$2,100,000		
	E154.016772	Install Fiesta City FIC Feeder		\$1,000,000			
	E141.019930	Install Feeder Tie SOU083 to MDT074		\$100,000			
	E141.019954	Reinforce Saint Louis Park SLP087		\$150,000			
	E141.019928	Extend Saint Louis Park SLP092		\$600,000			
	E154.018960	Reinforce Glenwood GLD Sub Equip		\$700,000			
	E144.002712	Install Goodview GVV Feeder		\$1,100,000			
	E150.015662	Install Chemolite CHE065 Feeder		\$1,440,000			
	E156.011061	Install Wyoming WYO Feeder		\$2,500,000			
	E143.016727	Install Feeder Tie EBL064		\$150,000			
	E147.019056	Reinforce Basset Creek BCR062		\$250,000			
	E141.019958	Reinforce Moore Lake MOL071		\$550,000			
	E151.012409	Install Western WES TR3 & Feeders		\$100,000	\$5,300,000		
	E144.013436	Reinforce Kasson KAN TR1 & Feeders			\$2,850,002		
	E147.012463	Install Feeder Tie Crooked Lake CRL033			\$1,250,000		
	E154.010157	Install Albany ALB TR		\$100,000	\$2,800,000		
	E141.019956	Reinforce Terminal TER073			\$1,100,000		
	E150.012576	Install South Washington ERU Sub	\$5,670,002				
	E144.018971	Reinforce Veseli VES TR1 & Feeder		\$100,000	\$2,650,004		
	E141.019955	Extend Terminal TER064				\$150,000	
	E144.010920	Reinforce Burnside BUR TR2			\$100,000	\$2,600,000	
	E143.019054	Reinforce Edina EDA062				\$500,000	
	E147.014465	Reinforce Brooklyn Park BRP062				\$200,000	
	E144.000793	Install Zumbrota ZUM TR & Feeder			\$100,000	\$2,950,002	
	E144.016592	Reinforce Sibley Park SIP Sub Equip				\$100,000	
	E143.017702	Install Viking VKG Feeder				\$2,500,000	
	E150.010904	Install Rosemount RMT TR2 & Feeder	\$4,400,008				
	E142.011721	Install Orono ORO TR2 & Feeder			\$100,000	\$4,000,000	
	E156.007927	Install Goose Lake GLK TR3 & Feeders				\$700,000	\$4,000,000
	E144.008708	Install Cannon Falls Trans CTF TR2 & Fdr				\$100,000	\$1,895,003
	E147.013379	Install West Coon Rapids WCR TR			\$99,996	\$1,979,996	
	E156.011752	Install Lindstrom LIN Feeder					\$650,008
	E143.019908	Install Hyland Lake HYL TR3 & Feeder				\$100,000	\$4,600,000
	E156.011764	Reinforce Tanners Lake TLK Sub Equip					\$200,000
	E156.015811	Reinforce Oakdale OAD073 & OAD075					\$275,004
	E151.018961	New MPK075-GPH061 Feeder Tie					\$250,002
	E144.013520	Install East Winona EWI TR2 & Feeder				\$100,000	\$3,100,000
	E153.010999	Install Louise LOU TR2 & Feeders			\$100,000	\$3,480,000	
	E141.009146	Install Hiawatha West HWW TR2	\$1,400,000				
	E154.015728	Reinforce St Cloud SCL TR2	\$1,400,002				
	E141.009145	Install Midtown MDT TR2				\$100,000	\$1,400,000
	E103.006881	Dist Subs Carryover-NSPM		\$1,500,000	\$3,999,996	\$5,100,000	\$9,999,996
	E114.018281	MN - Line Capacity WCF Blanket		\$500,000	\$1,000,000	\$3,000,000	\$4,999,992
Projects related to Local (or other) Government-Requirements							
	E114.018173	MN - OH Reloc Tap/Backbone/Sec Blkt	\$8,468,000	\$8,468,000	\$8,468,000	\$8,468,000	\$8,468,000
	E114.018271	MN - UG Reloc Tap/Backbone/Sec Blkt	\$5,408,000	\$5,408,000	\$5,408,000	\$5,408,000	\$5,408,000
	E114.018273	MN - UG Service Conversion Blanket	\$649,009	\$649,009	\$649,009	\$649,009	\$649,009
	E114.018479	MN - Pole Transfer 3rd Party Blanket	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
	E143.019409	COMP Relocation EDINA SWLRT Road Project	(\$457,997)	(\$582,993)	(\$462,998)		
	E141.019410	COMP Relocation MPLS SWLRT Road Project	(\$458,008)	(\$582,991)	(\$463,007)		
	E141.018907	Relocation 4th Street Road Project	\$249,999	\$300,001			
	E141.019319	Relocation 4th Street Road Project	\$3,577,000	\$3,795,000			
	E143.013574	Relocation EDINA SWLRT Road Project	\$908,002	\$908,002	\$259,998		
	E141.019412	Relocation Hennepin Ave Road Project (LINES)	\$3,033,000	\$2,983,000	\$1,061,000		
	E141.019422	Relocation Hennepin Ave Road Project (VAULTS)	\$615,000				

IDP Category	Mitigation	Mitigation Name	2020	2021	2022	2023	2024
	E143.019345	Relocation Hwy 35 106th St to Cliff Rd		(\$250,002)			
	E141.019192	Relocation MPLS SWLRT Road Project	\$908,000	\$908,000	\$260,000		
	E114.018175	MN - Mandate WCF Blanket	\$3,400,001	\$4,345,999	\$3,653,000	\$3,933,000	\$4,217,001
	E141.017929	MPLS Mandates WCF	\$2,075,006	\$2,597,000	\$9,142,000	\$10,000,000	\$10,000,000
Metering							
	E103.001040	MN-Electric Meter Blanket	\$5,484,000	\$4,290,000	\$3,454,000	\$2,338,000	\$2,338,000
New Customer Projects and New Revenue							
	E114.018171	MN - OH Extension Blanket	\$3,290,000	\$3,651,000	\$3,651,000	\$3,651,000	\$3,651,000
	E114.018172	MN - OH New Services Blanket	\$2,511,000	\$2,788,000	\$2,788,000	\$2,788,000	\$2,788,000
	E114.018045	MN - OH New Street Light Blanket	\$352,000	\$362,000	\$371,000	\$380,000	\$380,000
	E114.018268	MN - UG Extension Blanket	\$19,387,000	\$21,499,000	\$21,499,000	\$21,499,000	\$21,499,000
	E114.018269	MN - UG New Services Blanket	\$8,330,000	\$9,247,000	\$9,247,000	\$9,247,000	\$9,247,000
	E114.018046	MN - UG New Street Light Blanket	\$728,000	\$747,000	\$767,000	\$787,000	\$787,000
	E114.018792	MN LED Post Top Conversion	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000
Non-Investment							
	E141.001140	Electric New Construction Contributions in Aid	(\$3,733,000)	(\$3,702,000)	(\$3,813,000)	(\$3,813,000)	(\$3,813,000)
Other							
	E103.002100	2002 Spec Cnstr - Sm Tool/Equipment Blanket for NSPM	\$789,595	\$1,169,167	\$1,169,167	\$1,169,167	\$1,169,167
	E103.002265	Capitalized Locating Costs-Elec UG MN	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000
	C115.006786	Logistics-NSPM Tools Blanket	\$167,359	\$247,850	\$252,632	\$252,632	\$252,632
	E153.011934	Logistics-NSPM Tools Blanket - SD	\$3,482	\$4,353	\$4,353	\$4,353	\$4,353
	E103.001738	MN Subs tools & equip	\$233,309	\$501,441	\$501,441	\$501,441	\$501,441
	E103.001041	MN-New Bus Transformer	\$21,537,000	\$23,114,000	\$22,104,000	\$22,774,000	\$23,431,000
	E145.001206	ND-Electric Tools & Equip	\$53,105	\$70,518	\$70,518	\$70,518	\$70,518
	E103.002099	NSPM Metering Sys-Tools & Equipment Blanket	\$34,822	\$69,645	\$69,645	\$69,645	\$69,645
	E153.001257	SD-Tools & Equip	\$76,609	\$101,855	\$101,855	\$101,855	\$101,855
	C103.002113	Tools & Equipment-Transportation Blanket	\$30,284	\$90,055	\$90,055	\$90,055	\$90,055
	NA	Fleet Purchases	\$9,637,809	\$12,797,349	\$17,093,422	\$9,095,459	\$7,701,612
	E103.018427	COMM MN Feeder Load Monitoring	\$348,223	\$696,445	\$870,557	\$870,557	\$1,305,835
	E114.018553	AGIS - Planning and Forecasting Tool - MN	\$4,000,000				
	E150.012576	Install South Washington ERU Sub	\$87,056				
	E103.014467	Sub Fiber Communication Cutover	\$435,278	\$435,278	\$435,278		
	E144.019891	T Revenue Metering Mapleton	\$215,898				
	E144.019892	T Revenue Metering Minnesota Lake	\$205,451				
System Expansion or Upgrades for Reliability and Power Quality							
	E114.018471	MN - Feeder Cable Repl Blanket	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000
	E114.018180	MN - FPIP Blanket	\$600,000	\$1,400,000	\$1,500,000	\$1,500,000	\$1,500,000
	E114.018179	MN - REMS Blanket	\$510,000	\$1,190,000	\$850,000	\$850,000	\$850,000
	E114.018277	MN - URD Cable Replacement Blanket	\$15,400,000	\$26,100,000	\$22,000,000	\$22,000,000	\$22,000,000
	E114.019275	MN Incremental System Investment		\$80,999,901	\$88,000,000	\$87,999,933	\$87,999,944
Grand Total			\$277,487,137	\$392,612,596	\$480,287,683	\$484,566,325	\$415,216,373