

Schedule 5
2016 Capital Budget Excluding AFUDC
Transmission
Total Company - All Utilities

Northern States Power - MN
(\$000's)

Parent Proj Full Desc	Total
11972848 - Souris 115 kV Capacitor Bank L	786
11975330 - Line 5527 Tap Line	438
11975342 - Renner Substation	627
11975755 - NERC 754 Protection Sys MNSub	60
11978977 - DCP - Salem TR Sub	64
11979382 - Xfmr Spare Security NSPM	19
11987041 - Souris 115 kV Capacitor Bank C	47
12016668 - Bluff Creek Sub Comm	72
12046364 - Minot Load Serving Line Permit	(847)
12051340 - NSM0953 Galloping Mitigate SPK	12
12068864 - NSPM0799 UG Reloc Redwing Brid	2,895
12076098 - Rogers Lake - Repl breakers 5P	108
12076295 - SD Frame Relay Comm	133
12076296 - ND Frame Relay Comm	65
12076297 - MN Frame Relay Comm	3,195
12076306 - NSPM Physical Security	2,947
12076425 - NSPM CIP 5 Fieldon Comm	2
12076426 - NSPM CIP 5 Quarry Comm	2
12076427 - NSPM CIP 5 RoseauComm	2
12076433 - Medford Jct 69kV Sw,Line	4
12076437 - 0756 - In/Out to Fiesta CityL	707
12076438 - Fiesta City 69kV Sub SWSUB	492
12076440 - Baytown115kV BKR Sub	138
12076442 - 0801 BYT 115kV In/Out Line	68
12076648 - NSPM Electro Mag Pulse (EMP)	50
12076650 - NSPM GIC Monitoring Device	500
12076652 - NSPM Geo Mag Dist (GMD)	100
12077194 - Magic City Land	25
12172606 - 0776 Reterm LAR Line	21
12172607 - 0814/0894 Rebuild Line	920
12172608 - 0850 Rebuild Ward - MGCLine	24
12172609 - 0850 Rebuild Ward - MGCROW	30
12172610 - 0860 Rebuild Ward-MGCLine	24
12172611 - 0860 Rebuild Ward-MGCROW	30
12172612 - 0894 Rebuild Line	890
12172613 - Bailey Road New 345kV Sub	3,230
12172615 - Chaska In-and-Out	1,200
12172617 - Gleason Lake Cap Bank Sub	725
12172619 - Line 0975 345kV RRK-AFT Line	640

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12172620 - Maple River 115kV MPC IA	150
12172626 - New 230kV Line ROW	30
12172627 - New 230kV Ward - MCH	2,039
12172633 - Ward County 230 kV	306
12172634 - Ward County Sub 230 kV Land	529
12172675 - Lincoln Cty Reverse Pwr Relay	225
12172690 - New 115kV Ward to Ward BECLine	9
12172691 - PRA Bkr 1/2-MPC Fossum IA	426
12172712 - Park Substation Removal	155
12172713 - Prairie Island-Inst STA AUXGen	395
12172714 - QRY-New 115kV Line TermSub	1,714
12172715 - Quarry-West St Cloud 2nd Ckt	12
12172719 - Southtown Area capacity Sub	2,209
12172720 - Southtown Line Upgrades	1,510
12172722 - 0735 Re-term Line	12
12172743 - Tyrone Tap	375
12172747 - Waconia Substation TAM Sub	12
12173757 - Dean Lake Substation	4,825
Grand Total	156,989

Schedule 5A
2016 Capital Budget Excluding AFUDC
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Northern States Power - MN
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Utility Desc	Parent Proj Full Desc	Total
Electric	10615153 - IA Tariff Fund NSP	3,799
	11232908 - Tran Line MN Tax Rebate, Line	(3,000)
	11353413 - Pomerleau Lake Sub	60
	11410668 - CAPX Hampton-N.Rochester 345kV	13,734
	11410677 - CAPX Hampton-N.Rochester 345kV	180
	11488848 - CApX Brookings Helena-Lk Mario	1,392
	11488853 - CapX Brookings Lk Marion-Hampt	1,048
	11489961 - First Lake Sub	15
	11489991 - Barnes Grove-Instl 69kV 3 way	5
	11490329 - ND T-Line ELR 2016, Line	100
	11490350 - NSPM T-Line ELR 2016 Line	500
	11490388 - SD T-Line ELR 2016,Line	100
	11490449 - ND 2016 Reloc B Line	50
	11490522 - NSPM 2016 Reloc B Line	1,500
	11490537 - SD 2016 Reloc B Line	50
	11491534 - Prairie 3rd 230/115 kv transfo	1,960
	11491586 - Apache Switch 5M179 to 2000ASu	12
	11491731 - ND 2016 S&E B Line	100
	11491741 - NSPM 2016 S&E B Line	1,500
	11491772 - SD 2016 S&E B Line	100
	11491929 - ND 2016 S&E Sub	120
	11491934 - NSPM 2016 S&E Sub	610
	11491983 - SD 2016 S&E Sub	120
	11492310 - 2016 Civil Dept Tool B Line	250
	11492315 - 2016 Survey Group Tool B Line	25
	11492319 - 2016 Tool Blanket MN Line	40
	11492330 - NSP COM Tool 2016 Sub	595
	11492684 - Fleet New Units 2016 El Trans	5,510
	11492708 - MN 2016 Unserviceable Breaker	545
	11592427 - Line 0883 to First Lake Sub Li	25
	11600720 - Scott County 115kV Sub	132
	11600760 - Westgate 115kV Sub Termination	150
	11618931 - 0956 Lyon Cty to Cedar Mountai	756
	11618937 - 0958 Cedar Mountain to Helena	329
	11642585 - Line 0717 GRI to CAR Rbld Line	30
	11642703 - Maple River-Red River 2nd 115k	683
	11643331 - Red River-Maple River Sub	1,347
	11643334 - Maple River-Red River ROW	4,658
	11643335 - Maple River-Red River Line	3,281
	11643337 - Line 0839 MPR-CAS Circuit Relo	18
Electric	11644905 - MN 2016 Unserviceable Relay Su	500
	11683797 - BSSB-345kV Line Non-ShareROW	390

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Utility Desc	Parent Proj Full Desc	Total
	11683802 - BSSB-Brooking Non Shared Sub	2,845
	11683806 - BSSB-345kV Non Shared Line	36,581
	11722007 - 0730 Morrell to W Sioux Falls	570
	11722008 - 5559 Falls to W Sious FallsLin	911
	11749574 - Cliff Sub Relay Replacement Su	30
	11776427 - 760 - Red Wing to Wabasha Lin	300
	11776886 - Coon Creek - Replace Bkrs 5M11	795
	11782743 - Tools 2016 Training Center NSP	16
	11787157 - NSP Ops Engineering Tools 2016	60
	11787206 - NSPM COM Tools 2016 (BU 8640)	60
	11806206 - Line 0794 69kV DGC-WSU line	2,472
	11808313 - Arden Hills 115kV Relay Sub	10
	11808324 - Termainl 115kv Relay Sub	26
	11808707 - GIST-IV Computer Software, NSP	90
	11808750 - MnTACT 2016 Sub	500
	11808789 - Twin Cities Fault Current Sub	15,000
	11926606 - Ramsey Cty-TCAAP New Sub Land	83
	11940405 - King-Rpl Breaker 8P2 Sub	455
	11944488 - #0739 69kV Zumbrota-Dodge CtrN	625
	11944489 - 0712 69KVZumbrota-Cannon Falls	3,000
	11951789 - Bluff Creek 115kV Expansion Su	3,075
	11956007 - 5569 Westgate-Bluff Crk 115kV	166
	11956012 - 5516Bluff Crk-Chanhasen 115kVS	279
	11956019 - 5570Bluff Crk-Scott Cty 115kV	165
	11956037 - 0740 Exce-Scott Cty-BLC 69kV	311
	11956040 - 5516 Westgate-Bluff Crk 115kV	183
	11960511 - NSPM Training Center Equipment	35
	11962232 - Rosemount TR2 Sub	48
	11962379 - Eastwood 115kV BKR Sub	1,844
	11962385 - Medford Junction Rpl Switch St	192
	11962422 - Victoria Distribution Sub	635
	11962442 - Chestnut Pressure Control Unit	750
	11962684 - King Relaying - OPK Comm	10
	11971483 - 5th St Pressure Control UnitLi	700
	11972841 - Souris 115 kV Capacitor BankSu	4,661
	11972845 - Souris 115 kV Capacitor BankLi	810
	11972848 - Souris 115 kV Capacitor Bank L	786
	11975330 - Line 5527 Tap Line	438
	11975342 - Renner Substation	627
	11975755 - NERC 754 Protection Sys MNSub	60
	11978977 - DCP - Salem TR Sub	64
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Electric

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	12172743 - Tyrone Tap	375
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10378892 - NSP Trans Line Tool Blanket	50
10615153 - IA Tariff Fund NSP	3,715
10941941 - Civil Dept Tool Blanket	30
11232908 - Tran Line MN Tax Rebate, Line	(3,000)
11347980 - Hollydale 115kV Conversion Su	40
11353296 - Pomerleau Lake Land	695
11353413 - Pomerleau Lake Sub	258
11488848 - CApX Brookings Helena-Lk Mario	(451)
11488853 - CapX Brookings Lk Marion-Hampt	(113)
11489991 - Barnes Grove-Instl 69kV 3 way	260
11618931 - 0956 Lyon Cty to Cedar Mountai	(422)
11642585 - Line 0717 GRI to CAR Rbld Line	90
11642703 - Maple River-Red River 2nd 115k	787
11643331 - Red River-Maple River Sub	980
11643334 - Maple River-Red River ROW	224
11643335 - Maple River-Red River Line	2,476
11643337 - Line 0839 MPR-CAS Circuit Relo	921
11643540 - SD T-Line ELR 2017 Line	100
11643543 - ND T-Line ELR 2017 Line	100
11643544 - NSPM T-Line ELR 2017 Line	800
11643557 - SD 2017 S&E B Line	100
11643561 - ND 2017 S&E B Line	100
11643564 - NSPM 2017 S&E B Line	1,400
11643571 - SD 2017 Reloc B Line	50
11643577 - ND 2017 Reloc B Line	50
11643580 - NSPM 2017 Reloc B Line	1,500
11644284 - MN 2017 S&E Sub	720
11644287 - ND 2017 S&E Sub	65
11644290 - SD 2017 S&E Sub	65
11644292 - MN 2017 Unserviceable Brkr Rep	575
11644788 - 2017 Civil Dept Tool B Line	250
11644789 - 2017 Tool Blanket MN Line	34
11644792 - 2017 survey Group Tool B Line	25
11644800 - Fifth St. Relaying - MST-BB Su	30
11644803 - King Relaying - OPK - DD Sub	30
11644851 - Terminal Relaying - GPH - BB S	40
11644858 - Afton Relaying - OPK - DD Sub	40
11644879 - St Cloud-Rpl Breakers 5N31 5N3	380
11644882 - Gopher Relaying - MSTTER-BBSub	40