

New York State Electric & Gas Corporation

Five-year Capital Investment Plan: Notable Major Electric Projects

[\$000]

	2009	2010	2011	2012	2013
Electric Projects with Total Capital > \$2 million					
TDIRP	18,000	18,000	18,000	15,000	15,000
Bulk Power System Protection Upgrades	20,634	20,634	20,634		
Dysinger Sub and 345 KV to Stolle Rd		1,000	4,000	20,000	36,000
Ithaca Transmission Project	34,363	16,448			
Auburn 345/115 kV Sub and 115kV Line to State St		1,000	6,000	25,000	18,000
Corning Valley Upgrade	12,086	26,296	10,000		
Bulk Power System Transmission Upgrades	5,518	15,664	2,367		
Bulk Power System Security	7,076	7,288	7,507		
Bulk Power Spares/Replacements		3,000	6,000	6,000	
Wood Street 3rd 345/115 kV Transformer		1,000	12,000		
New 115 kV Transmission Line Valkin (NMPC) - Klinekill		6,463	2,000		
Line #807 Conversion to 115 KV Operation	2,846	2,380			
Watercure Rd Sub Transformer Replacement	4,833				
Yawger Rd New Substation	3,828				
Coddington 115/34.5 kV 30/40/50 MVA Transformer #2 LTC			352	3,166	
Eelpot Transformer Addition		500	3,000		
South Perry Second Transformer	480	2,870			
Meyer Transformer Addition		480	2,870		
Colliers 115/46 kV Transformers #1 and #2 LTC Capability		485	2,709		
Belleayre Substation Bank Addition and Line Rebuild		1,894	500		
Davis Road 115/34.5 kV Transformer #2 and #3 LTC Capability		290	1,967		
Enterprise GIS System	2,053	1,597			
Subtotal	\$111,717	\$127,289	\$99,906	\$69,166	\$69,000

New York State Electric & Gas Corporation
Five-year Electric Capital Requirements Plan

Exhibit _ (NYSEGCRO-2)

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CAPITAL EXPENDITURES

(Thousands of Dollars)

	2009	2010	2011	2012	2013
Electric Department:					
Production - Hydro	4,420	5,452	4,900	1,793	1,788
Transmission Lines	28,330	43,223	29,048	20,566	44,500
Substations	75,773	82,419	70,358	43,600	27,500
Distribution Lines	19,382	20,890	17,558	18,685	18,470
Distribution Transformers	14,152	14,860	15,603	16,383	17,202
Service Installations	2,080	2,184	2,293	2,408	2,528
Meters - Purchases & Installations	2,200	2,310	2,426	2,547	2,674
Distribution Lines - Underground	1,946	2,043	2,145	2,253	2,365
Storm Damage	640	672	706	741	778
Street Lighting	832	874	917	963	1,011
Distribution Capacitors	224	235	247	259	272
Highway Relocations	3,833	4,025	4,226	4,437	4,659
General Plant	0	0	0	0	0
Total Electric	153,812	179,186	150,426	114,635	123,748
General Department:					
Facilities	1,551	1,629	1,710	1,796	1,886
General Equipment	8,471	1,988	2,088	2,192	2,302
Information Technology - Local	2,916	5,104	1,582	834	3,289
Transportation Equipment	15,222	11,709	10,538	11,065	11,618
General Plant	0	0	0	0	0
Total General	28,160	20,430	15,918	15,887	19,095
Total Capital	\$181,972	\$199,616	\$166,344	\$130,522	\$142,843

	Incremental Stray Voltage Costs		
	NYSEG		
Standby Time			
2008 Units	45		
Avg. Cost per Unit	\$ 96		
2008 Cost		\$ 4,309	
Est. 2009 Units	247		
Est. 2009 Cost		\$ 23,650	
Est. Inc. Standby Time			\$ 19,342
Mobile Testing			
Est. Mobile Testing Cost	\$ 250,000		
		\$ 250,000	
Est. Total Mobile Testing Cost			\$ 250,000
QA/QC			
QA Personnel Rate	\$ 50		
Est. QA Personnel Manhours	4160		
Est. QA Personnel Cost		\$ 208,000	
Est. QA Travel & Expenses		\$ 20,000	
Est. Inc. QA/QC Cost			\$ 228,000
Additional Contractor Coord.			
Est. Hourly Rate	\$ 60		
Est. Add'l Manhours	8320		
Est. Repair Cost		\$ 499,200	
Est. Inc. Repair Activity			\$ 499,200
Increased Response Activity			
Est. Hourly Rate	\$ 129		
Est. Add'l Manhours	606		
Est. Repair Cost		\$ 77,883	
Est. Inc. Repair Activity			\$ 77,883
Temporary Repair Tracking			
IT Administrator Rate	\$ 80		
Est. IT Admin. Manhours	2080		
Est. IT Admin Cost		\$ 166,400	
General Admin. Rate	\$ 25		
Est. General Admin. Manhours	4160		
Est. General Admin. Cost		\$ 104,000	
Est. Inc. Temp. Rep. Tracking			\$ 270,400
TOTAL ESTIMATED INC. COST			\$ 1,344,825

Estimate Group		Year 1 Capital	Year 2 Capital	Year 3 Capital
BAL	Resource & Demand Balancing	\$ -	\$ -	\$ -
CIP	Critical Infrastructure Protection	\$ 7,076,152.29	\$ 7,288,436.86	\$ 7,507,089.97
COM	Communications	\$ -	\$ -	\$ -
EOP	Emergency Preparedness and Operations	\$ -	\$ -	\$ -
FAC	Facilities Design, Connection and Maintenance	\$ -	\$ -	\$ -
INT	Interchange Scheduling and Coordination	\$ -	\$ -	\$ -
IRO	Interconnection Reliability Operations and Coordination	\$ -	\$ -	\$ -
MOD	Modeling, Data and Analysis	\$ -	\$ -	\$ -
NUC	Nuclear	\$ -	\$ -	\$ -
PER	Personnel Performance, Training and Qualifications	\$ -	\$ -	\$ -
PRC	Protection and Control	\$ 20,633,773	\$ 20,633,773	\$ 20,633,773
TOP	Transmission Operations			
TPL	Transmission Planning	\$ 5,517,667	\$ 15,663,667	\$ 2,366,667
VAR	Voltage and Reactive	\$ -	\$ -	\$ -
Total, Capital		\$ 33,227,592	\$ 43,585,877	\$ 30,507,530
Three-year total		\$ 107,320,999		

ERO Estimate Summary for NYSEG Rate Case
O&M Summary

Exhibit _ (NYSEGCRO-5)
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Estimate Group		Year 1 O&M	Year 2 O&M	Year 3 O&M
BAL	Resource & Demand Balancing	\$ -	\$ -	\$ -
CIP	Critical Infrastructure Protection	\$ 1,909,344	\$ 2,441,886	\$ 2,865,960
COM	Communications	\$ -	\$ -	\$ -
EOP	Emergency Preparedness and Operations	\$ 416,000	428,480	441,334
FAC	Facilities Design, Connection and Maintenance	\$ 4,278,500	\$ 4,406,855	\$ 4,537,061
INT	Interchange Scheduling and Coordination	\$ -	\$ -	\$ -
IRO	Interconnection Reliability Operations and Coordination	\$ -	\$ -	\$ -
MOD	Modeling, Data and Analysis	\$ -	\$ -	\$ -
NUC	Nuclear	\$ -	\$ -	\$ -
PER	Personnel Performance, Training and Qualifications	\$ 516,000	\$ 448,480	\$ 461,334
PRC	Protection and Control	\$ 345,000	\$ 335,000	\$ 325,000
TOP	Transmission Operations	\$ 208,000	\$ 214,240	\$ 220,667
VAR	Transmission Planning	\$ -	\$ -	\$ -
Voltage and Reactive				
Total, O&M		\$ 7,672,844	\$ 8,274,941	\$ 8,851,357
Three-Year total		\$ 24,799,142		

Case 07-M-0906

Identification of Potential Capital Projects

December 8, 2008

Project Description	Reliability Improvement	Coop/Muni	Substation/s	NYSEG Line	Primary / Backup Feed	Capital / O&M	Est. Cost
Axtel Road to Terry Road Line Relocation - relocate existing 3 phase line to road side. 10,000 feet 3 phase 34.5kv, 3,000 feet 3 phase 7.2kv,1500kv step,3 phase recloser	Reduce the number of outages and reduce the response time	DCEC	Jefferson Road	Axtell 511	Primary	Capital	\$600,000
Taylor Road to Delaware County CoOp Sub - relocate existing line 3 phase line to road side and rebuild/reconductor single phase line to 3 phase operation. 4,000 feet 3 phase 34.5kv,4,500 feet rebuild/reconductor single phase to three phase.	Reduce the number of outages and reduce the response time	DCEC	Jefferson Road	Axtell 511	Primary	Capital	\$280,000
Relocate 9,000 feet of 34.5 kv line on Churchill Mtn. and install sectionalizer.	Reduce the number of outages experienced by the Jefferson Road sub caused by incidents past the feed from the 34.5 kv line.	DCEC	Jefferson Road	Axtell 511	Primary	Capital	\$300,000
Trim the 3 phase portion of the 34.5 kv 511 CKT	Avoid tree related outages	DCEC	Jefferson Road	Axtell 511	Primary	O&M	\$50,000
Off cycle trim from NYSEG Downsville 12KV to Cat Hollow point of delivery	Avoid tree related outages	DCEC	Cat Hollow	Dsville 12kv	Primary	O&M	\$15,000
Relocate a portion of Line 2238 out along route 10. 6500 foot relocation would require obtainment of easements along the route. DCEC to secure easements.	Avoid tree related outages and improve accessibility	DCEC	Delaware county landfill	Delhi 211	Primary	Capital	\$250,000
Investigate source of recloser operations	Avoid equipment related outages	DCEC	Delaware county landfill	Delhi 211	Primary	Capital	\$15,000
Add Motor Ops to 80766 and 80759 switches located outside OEC New Berlin Sub.	Allow for faster restoration on line faults between NYSEG Berlin and N. Berlin Subs.	OEC	N. Berlin	807	Primary	Capital	\$250,000
Rebuild 5.36 miles of 46KV line between NYSEG South New Berlin and New Berlin Subs. The existing stuctures and #4 Cu wire are 1924 vintage.	Replace aged infrastructure prone to failure during weather events.	OEC	N. Berlin	807	Primary	Capital	\$1,075,000
Circuit Trim 806 Transmission line - 2009	Avoid tree related outages	O/M	Oriskany Falls	806	Primary	O&M	\$45,000
Circuit Trim 500 Transmission line - 2009	Avoid tree related outages	SREC	Conewango, Milestrip	500	Backup	O&M	\$30,000
Circuit Trim 501 Transmission line - 2009	Avoid tree related outages	SREC	Conewango, Milestrip	501	Primary	O&M	\$15,000
Re-establish & Purchase Tree clearing Rights on 536 Line	Reduce in-service failures	SREC	Conner Hill	536	Primary	Capital	\$250,000
Add Strobing Fault Indicators	Enhance reliability	SREC	Conner Hill	536	Primary	Capital	\$15,000
Replace 10" insulators (flushed Over)	Reduce in-service equipment failures	SREC	Conner Hill	534	Backup	Capital	\$25,000
Circuit Trim 534 Transmission line - 2009	Avoid tree related outages	SREC	Conner Hill	534	Primary	O&M	\$15,000
Widen ROW on Bath-Campbell to 100 ft	Reduce tree related interruptions	SREC	Curtis	532	Primary	Capital	\$50,000
Condition rebuild Science Park to Pollyo - Replace replace conductor.	Reduce in-service equipment failures	SREC	Curtis	532	Primary	Capital	\$800,000
Circuit Trim 532 Transmission line - 2009	Avoid tree related outages	SREC	Curtis	532	Primary	O&M	\$22,500
Highway relocation Lindley to Lawrenceville. Phase 2	Reduce in-service equipment failures	SREC	Lindley - Sullivan	546	Backup	Capital	\$445,000
Mid-Cycle Trim - Vegetation Maintenance Lawrenceville Tap	Reduce tree related interruptions	SREC	Lindley - Sullivan	546	Backup	O&M	\$15,000

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Identification of Potential Capital Projects

December 8, 2008

Project Description	Reliability Improvement	Coop/Muni	Substation/s	NYSEG Line	Primary / Backup Feed	Capital / O&M	Est. Cost
Highway relocation Lindley to Lawrenceville. Phase 1	Reduce in-service equipment failures	SREC	Lindley - Sullivan	546	Backup	Capital	Completed 2008.
Replace 17 Xarms, Braces and Insulators from W. Erie to Welty Road.	Reduce in-service equipment failures	SREC	Lindley - Sullivan	546	Primary	O&M	Completed 11/08
Replace Xarms, Braces and Insulators from S. Addision to Woodhull.	Reduce in-service equipment failures	SREC	Lindley - Sullivan	546	Primary	O&M	Completed 2006
Replace Xarms, Braces and Insulators from Presho to S. Addision.	Reduce in-service equipment failures	SREC	Lindley - Sullivan	546	Primary	O&M	Completed 2006
Condition rebuild W.Erie to Lindley - Replace aged 4/0 wire and 1940 vintage poles	Reduce in-service equipment failures	SREC	Lindley,Sullivan	546	Primary	Capital	\$200,000
Replace 58 Heartwood arms and glass	Reduce in-service equipment failures	SREC	Marshall Warner	539	Primary	Capital	\$35,000
Add Strobing Fault Indicators	Enhance reliability	SREC	Marshall Warner	539	Primary	Capital	\$25,000
Replace Davitt Arms on 50 cca structures	Reduce in-service equipment failures	SREC	Marshall Warner	539	Primary	O&M	\$35,000
Move the normally open point from Frog Valley (switch #50126) to the Cold Springs side of Milestrip Tap (switch #50146).	Exposure to Conewango would now be 16.6 miles instead of 18.5 miles and exposure to Milestrip would now be 13.6 miles instead of 18.5 miles. Supply the Conewango load from the 501 line and the Milestrip load from the 500 line and thus, eliminate the potential to lose both of the CoOps for an interruption on either the 501 line. This option also helps to even out the miles of exposure to the CoOps.	SREC	Milestrip,Conewango	500,501	Primary	O&M	\$2,500
Install motor operators on switches #50136 and #50139 at Ellington Substation.	This will allow us to automatically restore the Ellington, Ellington Hardwood, Conewango Mills, and Conewango CoOp loads for outages on the 501 line north of Ellington.	SREC	Milestrip,Conewango	500,501	Primary	Capital	\$150,000
Circuit Trim 805 Transmission line - 2009	Avoid tree related outages	V. Sherburne	V. Sherburne	805	Primary	O&M	\$30,000

Please note: All estimates are for planning purposes for submittal in a future NYSEG electric rate case proceeding. Actual costs and results are subject to market, operating and other contingencies over which NYSEG has no control.

Sum of Est. Cost	
Capital / O&M	Total
Capital	\$ 4,765,000
O&M	\$ 275,000
Grand Total	\$ 5,040,000

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NYSEG Facilities used to serve the Cooperatives and Village of Sherburne

Revised 11/25/08

STEUBEN

Bath (Quarry) (1155 customers) (Elmira) - This delivery point is normally supplied from the radial 34.5 kV line #545 out of Bath Substation. The 545 line is 0.10 miles long and constructed of 477 ACSR conductor. There is no backup to the Bath delivery point for an outage of the 545 line.

Curtis (579 customers) (Elmira) - This delivery point is normally supplied from the 34.5 kV line #532 out of Bath Substation and the #561 line out of West Erie Substation. The 532 line is 13.71 miles long and constructed of 477 ACSR, 3/0 ACSR, and 4/0 ACSR conductors. The 561 line is 2.81 miles long and constructed of 477 ACSR conductor. Depending on the location of the outage, backup to the Curtis delivery point can be provided from Bath via the 532 line or from West Erie Substation via the 561 line.

Lindley (1 customer) (Elmira) - This delivery point is normally supplied from the 34.5 kV line #546 out of West Erie Substation. The 546 line is 13.11 miles long and constructed of 477 ACSR and 4/0 ACSR conductors. The normally open backup to the Lindley delivery point is from Bennett Substation in Hornell via the 539 line. The 539 line is 27.66 miles long and constructed of 477 ACSR, 336 ACSR, 1/0 ACSR, and 1 ACSR conductors.

Sullivan Road (622 customers) (Elmira) - This delivery point is normally supplied from the 34.5 kV line #546 out of West Erie Substation. The 546 line is 13.11 miles long and constructed of 477 ACSR and 4/0 ACSR conductors. The normally open backup to the Sullivan Road delivery point is from Bennett Substation in Hornell via the 539 line. The 539 line is 27.66 miles long and constructed of 477 ACSR, 336 ACSR, 1/0 ACSR, and 1 ACSR conductors.

Conner Hill (702 customers) (Hornell) – This delivery point is normally supplied from the 34.5 kV line #536 out of Bennett Substation and the #534 line out of Meyer Substation. The 536 line is 14.77 miles long and constructed of 477 ACSR and AAC, 4/0 ACSR and AAAC, 336 ACSR, and 2/0 CU conductors. The 534 line is 13.40 miles long and constructed of 3/0 ACSR conductor. Depending on the location of the outage, backup to the Conner Hill delivery point can be provided from either Bennett via the 536 line or from Meyer Substation via the 534 line.

Marshall Warriner (1006 customers) (Hornell) - This delivery point is normally supplied from the 34.5 kV line #539 out of Bennett Substation. The 539 line is 27.66 miles long and constructed of 477 ACSR, 336 ACSR, 1/0 ACSR, and 1 ACSR conductors. The normally open backup to the Marshall Warriner delivery point is from West Erie Substation in Elmira via the 546 line. The 546 line is 13.11 miles long and constructed of 477 ACSR and 4/0 ACSR conductors.

Conewango (224 customers) (Gowanda/Lancaster) - This delivery point is normally supplied from the 34.5 kV line #501 out of Cold Springs Substation. The 501 line is 19.40 miles long and constructed of 477 ACSR and AAC, 336 ACSR, and 1/0 ACSR conductors. The normally open backup to the Conewango delivery point is from Bagdad Substation (NMPC) via the 500 line. The 500 line is 12.98 miles long and constructed of 336 ACSR and 4/0 ACSR conductors.

Mile Strip (904 customers) (Gowanda/Lancaster) - This delivery point is normally supplied from the 34.5 kV line #501 out of Cold Springs Substation. The 501 line is 19.40 miles long and constructed of 477 ACSR and AAC, 336 ACSR, and 1/0 ACSR conductors. The normally open backup to the Mile Strip delivery point is from Bagdad Substation (NMPC) via the 500 line. The 500 line is 12.98 miles long and constructed of 336 ACSR and 4/0 ACSR conductors.

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DELAWARE

Andes (395 customers) (Oneonta) - This delivery point is normally supplied from the 115 kV line #917 out of Delhi Substation. The 917 line is 33.84 miles long and constructed of 477 ACSR conductor. The normally open backup to the Andes delivery point is from Delhi Substation via the 916 line. The 916 line is 58.80 miles long and constructed of 1033 ACSR and 477 ACSR conductors.

Cat Hollow (19 Customers) (Oneonta) - This delivery point is normally supplied from the 46 kV line #824 out of Delhi Substation. The 824 line is 16.26 miles long and constructed of 477 ACSR and 4/0 ACSR conductors. The normally open backup to the Cat Hollow delivery point is from Stilesville Substation via the 819 line. The 819 line is 21.92 miles long and constructed of 477 ACSR, 336 ACSR, 4/0 ACSR, and 1/0 ACSR conductors.

Delhi (Oneonta) (1677 customers)- This delivery point is normally supplied from the 46 kV line #824 out of Delhi Substation. The 824 line is 16.26 miles long and constructed of 477 ACSR and 4/0 ACSR conductors. The normally open backup to the Delhi delivery point is from Stilesville Substation via the 819 line. The 819 line is 21.92 miles long and constructed of 477 ACSR, 336 ACSR, 4/0 ACSR, and 1/0 ACSR conductors.

Dryden Brook (744 customers) (Oneonta) - This delivery point is normally supplied from the 46 kV line #819 out of Stilesville Substation. The 819 line is 21.92 miles long and constructed of 477 ACSR, 336 ACSR, 4/0 ACSR, and 1/0 ACSR conductors. The normally open backup to the Dryden Brook delivery point is from Delhi Substation via the 824 line. The 824 line is 16.26 miles long and constructed of 477 ACSR and 4/0 ACSR conductors.

Jefferson/Stamford (851 customers) (Oneonta) - This delivery point is normally supplied from the 115 kV line #916 out of Delhi Substation. The 916 line is 58.80 miles long and constructed of 1033 and 477 ACSR conductors. The normally open backup to the South Kortright delivery point is from Delhi Substation via the 917 line. The 917 line is 33.84 miles long and constructed of 477 ACSR conductor. The Stamford Co-op is served from the Axtell 511 34.5KV distribution circuit and is 4.85 miles from the Axtell Rd substation. The majority of the conductors are 336.5MCM AL, 336.5MCM ACSR and 4/0ACSR from the Axtell Road to the Electric Cooperative. The Axtell 511 feeder is served from the Axtell 115-34.5KV 15/20/25MVA bank which is in turn supplied from the 916 115KV transmission system.

South Kortright (1454 customers) (Oneonta) - This delivery point is normally supplied from the 115 kV line #916 out of Delhi Substation. The 916 line is 58.80 miles long and constructed of 1033 and 477 ACSR conductors. The normally open backup to the South Kortright delivery point is from Delhi Substation via the 917 line. The 917 line is 33.84 miles long and constructed of 477 ACSR conductor.

Delaware County Solid Waste Facility (Oneonta/Walton) - Fed from Delhi 211 12.5KV distribution. Facility about 11.2 miles from substation. Conductors mix of 477AL, 333.6AL, 4/0 (ASCR, AL, AAAC), and 1/0AAAC. Has tie into Delhi 210 12.5KV right outside substation.

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Revised 11/25/08

ONEIDA/MADISON

Eaton (576 customers) (Oneonta) - This delivery point is normally supplied from the radial 46 kV line #813 out of County Line Substation. The 813 line is 3.86 miles long and constructed of 4/0 AAAC conductor. There is no backup to the Eaton delivery point for an outage of the 813 line.

Oriskany Falls/Green Road (655 customers) (Oneonta) - This delivery point is normally supplied from the 46 kV line #806 out of Brothertown and County Line Substations. The 806 line is 27.67 miles long and constructed of 477 ACSR and 4/0 ACSR conductors. Depending on the location of the outage, backup to the Oriskany Falls/Green Road delivery point can be provided from either Brothertown or County Line Substations via the 806 line.

OTSEGO

Copes Corners (568 customers) (Oneonta) - This delivery point is normally supplied from the 46 kV line #801 which is supplied from the #820 line out of East Norwich Substation. The 801 line is 15.83 miles long and constructed of 477 ACSR conductor. The 820 line is 9.46 miles long and constructed of 477 ACSR, 4/0 ACSR, and 2/0 CU conductors. The normally open backup to the Copes Corners delivery point can come from either the 804 line out of Railroad Street Substation or the 803 line out of County Line Substation. The 804 line is 10.10 miles long and constructed of 477 ACSR and 2/0 CU conductors. The 803 line is 13.33 miles long and constructed of 477 ACSR conductors.

Edmeston (560 customers) (Oneonta) - This delivery point is normally supplied from the 46 kV line #807 from Bridgewater Substation which is supplied from the #812 line out of Brothertown and Richfield Springs Substations. The portion of the 807 line that normally supplies Edmeston is 10.52 miles long and constructed of 4/0 ACSR conductor. The 812 line is 29.02 miles long and constructed of 477 ACSR, 4/0 ACSR, 2/0 CU, and 2F CW conductors. For an outage of the 807 line that supplies Edmeston, the backup to the delivery point is from County Line Substation via the 803 line. The 803 line is 13.33 miles long and constructed of 477 ACSR conductors.

Index (919 customers) (Oneonta) - This delivery point is normally supplied from the 46 kV line #816 out of Richfield Springs and Colliers Substations. The 816 line is 34.48 miles long and constructed of 1280 ACAR, 1033 ACSR, 477 ACSR and 4/0 ACSR conductors. Depending on the location of the outage, backup to the Oaksville delivery point can be provided from either Richfield Springs or Colliers Substation via the 816 line.

Laurens (709 customers) (Oneonta) – This delivery point is normally supplied from the 46 kV lines #811 and #822 out of Colliers Norwich Substation and the #802 line out of Railroad Street Substation. The 811 line is 9.06 miles long and constructed of 477 ACSR, 4/0 ACSR, and 2/0 CU conductors. The 822 line is 12.90 miles long and constructed of 477 ACSR conductor. The 802 line is 22.08 miles long and constructed of 4/0 ACSR and 2/0 CU conductors. Depending on the location of the outage, backup to the Laurens delivery point can be provided from either Railroad Street via the 802 line or from Colliers via the 811 line or the 822 line.

New Berlin (417 customers) (Oneonta) - This delivery point is normally supplied from the 46 kV line #807 from Mount Upton Substation which is supplied from the 804 line out of Railroad Substation. The portion of the 807 line that normally supplies New Berlin is 14.30 miles long and constructed of 477 ACSR, 4/0 AAAC, and 4 CU

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conductors. The 804 line is 10.10 miles long and constructed of 477 ACSR and 2/0 CU conductors. The normally open backup to the New Berlin delivery point is from County Line Substation via the 803 line. The 803 line is 13.33 miles long and constructed of 477 ACSR conductors.

Oaksville (833 customers) (Oneonta) – This delivery point is normally supplied from the 46 kV line #816 out of Richfield Springs and Colliers Substations. The 816 line is 34.48 miles long and constructed of 1280 ACAR, 1033 ACSR, 477 ACSR and 4/0 ACSR conductors. Depending on the location of the outage, backup to the Oaksville delivery point can be provided from Richfield Springs or Colliers Substation via the 816 line.

Richfield Springs (460 customers) (Oneonta) - This delivery point is normally supplied from the 46 kV line #812 out of Brothertown and Richfield Springs Substations. The 812 line is 29.02 miles long and constructed of 477 ACSR, 4/0 ACSR, 2/0 CU, and 2F CW conductors. Depending on the location of the outage, backup to the Richfield Springs delivery point can be provided from either Brothertown or Richfield Springs via the 812 line.

Village of Sherburne (2000 customers) (Oneonta) –

This delivery point is normally supplied from the 46 kV line #805 out of East Norwich and County Line Substations. The 805 line is 20.90 miles long and constructed of 477 ACSR and 4/0 ACSR conductors. Depending on the location of the outage, backup to the Village of Sherburne delivery point can be provided from either East Norwich or County Line Substations via the 805 line.

Case 07-M-0906 – Change to NYSEG Emergency Restoration Manual

In order to facilitate effective restoration prioritization of Coop customers during storms and major outages, the following modification will be made to the NYSEG Emergency Restoration Manual. This change will be submitted as part of the annual NYSEG Emergency Restoration Manual update.

Please note change in italic and bold font.

Section 5.2.1 Customer Restoration Prioritization - After the tables which indicate First, Second and Third Priorities, the following language exists:

"It must be recognized that local situations may warrant changes in the above priorities and the appropriate Branch Directors/Section Chiefs may change restoration priorities to direct and overall logical and efficient service restoration process or to satisfy specific emergency situations. ***To be included in this prioritization philosophy is the consideration of outages affecting Electric Cooperative and Municipal Customers. This will be accomplished by considering Customer's affected independent of ownership, and inserting them into the prioritization tables above based on their character of service and quantities affected.***"

CAPITAL EXPENDITURES

(Thousands of Dollars)

	2009	2010	2011	2012	2013
Gas Department:					
Transmission Mains	0	0	0	0	0
Distribution Mains	6,536	9,690	9,981	10,280	10,589
Gas Services	7,454	7,678	7,908	8,146	8,390
Meters - Purchases & Installations	3,796	3,910	4,027	4,148	4,273
M&R / Gate Stations	1,737	3,182	3,277	3,376	3,477
Highway Relocations	2,637	2,637	2,716	2,798	2,882
General Plant	1,295	2,700	1,200	200	200
Total Gas	23,455	29,797	29,110	28,947	29,810
General Department:					
Facilities	489	513	539	566	594
General Equipment	2,669	627	658	691	725
Information Technology - Local	919	1,608	498	263	1,037
Transportation Equipment	4,278	3,291	2,962	3,110	3,265
General Plant	0	0	0	0	0
Total General	8,355	6,039	4,657	4,629	5,621
Total Capital	\$31,810	\$35,836	\$33,767	\$33,577	\$35,431