# Exhibit C – Bulletin 752

http://www.nationalgridus.com/electricalspecifications/

## Exhibit D – Scope of Work for Mathews Avenue Substation

Construct a new Geres Lock-Onondaga #12 tap line and reconnect GE-Geres Lock #8 tap line to Mathews Avenue substation. The tap lines will be built by National Grid and Village of Solvay. National Grid will remove existing #2 tap line previously connected to Mathews Avenue substation.

1.) Reconnect GE-Geres Lock #8 tap line to Mathews Avenue substation

Work by Village of Solvay:

a. Replace structure #454.5-1 – 3 Pole DEPO – with new laminated wood switch structure.
b. Install new one way load break switch at new structure 454.5-1
c. Install new conductor 795 ACSR Drake 26/7 from structure #454.5-1 to Mathews Avenue substation

Work by National Grid:

a. Reconnect GE-Geres Lock #8 tap line to structure 454.5-1 - new laminated wood switch structure.
b. Maintain structure 454.5 wood pole tap structure
c. Remove structure 454.5-1

2.) Construct new Geres Lock-Onondaga #12 Tap line to Mathews Avenue substation

Work by Solvay Village:

a. Install new structure #8-2 – single wood pole DE structure
b. Install new structure #8-1 – laminated wood switch structure.
c. Install new load break switch on structure #8-1
d. Install new 795 ACSR Drake 26/7 conductor (1500# initial tension NESC Heavy) & 3/8” EHS shield wire (1000# initial tension NESC Heavy) from structure #8-1 to Mathews Avenue substation

Work by National Grid:

a. Install new tap structure #8 – single wood pole davit arm suspension tap structure
b. Remove existing structure #8 – single wood pole line post suspension
c. Install new 795 ACSR Drake 26/7 conductor (1500# initial tension NESC Heavy) & 3/8” EHS shield wire (1000# initial tension NESC Heavy) from structure #8 to structure #8-1

3.) Remove existing #2 tap line to Mathews Avenue substation

Work by National Grid:

a. Remove conductor between structure #455 and Mathews Avenue substation.
b. Remove structures #455-1, #455-2, #455-3, #455-4, #455-4a

4.) Engineering review and compliance verification of Village owned substation modifications per ESB 752 requirements

Work by Solvay Village:

a. Submit all project documentation as required by National Grid, including but not limited to drawings, specifications, relay settings, test plans, etc.
b. Coordinate all functional and witness testing as required by National Grid.

Work by National Grid:

a. Review and acceptance of all submittals requested from the Village of Solvay
b. Coordinate all functional and witness testing as required by National Grid

## Exhibit E – Estimated Project Costs for Mathews Avenue Substation

Engineering and PM Labor including indirects = $128,450

Field Labor including indirects = $54,112

Materials = $47,224

Transportation= $11,203

Capital Overheads = $13,463

Contingency = $36,148

Administrative & General = $62,828

Total Estimated Project Costs = $353,428

This estimate includes a $100,000 prepayment collected under a Cost Reimbursement Agreement between the Parties dated November 22, 2011.

## Exhibit F – Project Milestone Schedule for Mathews Avenue Substation

| Task | Milestone | Date | Responsible Party |
|---|---|---|---|
| | | | |
| 1. | Engineering Review and Acceptance of Customer-Owned Facilities | April 2012 | National Grid |
| 2. | Construction of Solvay Interconnection Facilities | May 2012 | Solvay |
| 3. | Construction of National Grid Interconnection Facilities | June 2012 | National Grid |
| 4. | Field Verification of Customer-Owned Facilities | May/June 2012 | National Grid |
| 5. | As-Built Facilities Collected/Accepted | July 2012 | National Grid/Solvay |
| 6. | As-Built Facilities Completed | September 2012 | National Grid/Solvay |
| 7. | Project Closeout | November 2012 | National Grid |