AVANGRID

Engineering and Delivery

July 28, 2016

GRTA Progress Report

Key Messages

Project Lead/Director: Angel Aparicio, Director - GRTA/RARP
Executive Oversight: Ellen Miller, VP- Engineering Services

GRTA Budget (current estimate): $144,850,000

Monthly Timeline with Key Milestones:

- ST 122 GIS installation finish by October 2016
- ST 122 above ground construction started in June 2016
- ST 80 above ground construction started in June 2016
- Circuit 623 under ground construction finished in July 2016
- Circuit 623 Power Cable Pulling started in July 2016
- Power Transformer T-6 delivered at ST 122 in July 2016

Key Assumptions:

- Start Testing & Commissioning ST 80 Bay 4, in July 2016

Key Project Developments:

- Outages Coordination with ECC/NYISO is challenging work progress. We have had difficulty keeping outages on the 345kV system due to system reliability concerns but several actions are being taken to mitigate the risk.

Major Contracts (> $1,000,000)

- ST 80 Civil Works: Awarded to Sertex
- ST122 Civil Works: Awarded to Ironwood
- ST 80 Above Ground: Awarded to Northline
- ST122 Above Ground: Awarded to O´Connell
- Transmission Lines Civil Works: RFP Prepared; Closing Engineering Review
- ST 80 345kV Power Cable: Awarded to ILJIN
- ST 122 Power Transformer: Awarded to Daewoo
- ST 80 and STA122 Steel Structure-Frames: Awarded to Valmont
- ST 122 115kV Power Cable: Awarded to Nexans
- Medium Voltage Power Cable Awarded to Okonite (750 MCM) and General Cable (500MCM)
- ST 122 Testing & Commissioning: Awarded to O´Connell
- Distribution, MV Circuits, Under Ground: Awarded to Power & Construction
- Distribution, MV Circuits, Power Cable Pulling: Awarded to O´Connell

Timing of Major Contracts / Construction Activities

• ST 80 Civil Works	Started:	October 2015	Finish:	October 2016
• ST 122 115kV GIS	Started:	May 2015	Finish:	October 2016
• ST 122 Civil Works (Bay 1)	Started:	January 2016	Finish:	February 2017
• ST 122 Civil Works (Bay 4 and 5)	Started:	January 2016	Finish:	October 2016
• Distribution MV Lines Civil Works	Started:	June 2016	Finish:	February 2017
• Distribution MV Lines Cable Pulling	Started:	June 2016	Finish:	February 2017
• ST 122 Above Ground	Started:	June 2016	Finish:	March 2017
• ST 80 Above Ground	Started:	June 2016	Finish:	January 2017
• ST 122 Testing & Commissioning	Started:	October 2016	Finish:	March 2017
• ST 80 Testing & Commissioning	Started:	November 2016	Finish:	February 2017

Schedule/Project Changes

Project in-service date & confidence level of projected dates:

The estimated in-service date is March 2017. Project close-out activities, such as preparation of record drawings and finalization of project documents, would occur after this date.

Updates to the schedule: ISD March 2017

Updates to the construction duration:

Some jobs have been delayed due to constructability issues and outages calendar

Project scope/cost changes: No change

Field changes to prior project plans: No change

Staffing

Project Manager:

Eric Burkhartzmeyer
Kenny Construction
Project Manager
1300 Scottsville Road, 2nd Floor
Rochester, NY 14624-5128
1-224-315-9725 (office)

Substation Construction Manager:

Jesus Ramos Santiago
Lead Engineer - Electric System Engineering
1300 Scottsville Road, 2nd Floor
Rochester, NY 14624-5128
1-585-724-8525 (office)

Head of Transmission Lines and MV:

Kremena Todorova
Manager – Programs & Projects
1300 Scottsville Road, 2nd Floor
Rochester, NY 14624-5128
1-585-724-8540 (office)

Project Controller:

Isidro Vazquez
Manager – Programs & Projects
1300 Scottsville Road, 2nd Floor
Rochester, NY 14624-5128
1-585-724-8550 (office)

Permits & Approvals

DEC Permits:

- Station 80: SPDES permit for SWPPP – Obtained Nov. 20, 2015
- Station 122: Wetland permit – Received Mar. 14, 2016

PSC Approvals:

- PSC authorization to expand Station 80 - Issued July 21, 2015

US ACE Permits:

- Station 80 - Issued Oct. 28, 2015, conditioned upon wetland mitigation
- Station 122 - Issued Jan. 22, 2016

Local Permits:

- Town of Perinton Site plan approval - Issued Nov. 20, 2015

Responsible Officer Statement

The GRTA Project Report dated July 28, 2016 is true and accurate based on my information and belief.

Ellen Miller
Vice President–Engineering Services