

BEFORE THE
STATE OF NEW YORK
PUBLIC SERVICE COMMISSION

In the Matter of
Central Hudson Gas & Electric Corporation
Cases 08-E-0887 & 08-G-0888

November 2008

Prepared Exhibits of:
Electric Infrastructure Panel

Jerry Ancona
Power Transmission Planner IV

John J. Quackenbush III
Utility Engineer 1

Karl F. Roenick
Utility Engineer 2

Kenneth Schultz
Utility Engineer 3

Office of Electric, Gas and
Water
State of New York
Department of Public Service
Three Empire State Plaza
Albany, New York 12223-1350

State of New York
Department of Public Service
300 Erie Boulevard West
Building DG-09
Syracuse, New York 13202

Exhibit__(EIP-1)

**Transmission Sag Mitigation
Unit Costs**

Retensioning Spans

Open Access Road	\$	11,000
Re-tensioning	\$	20,000
Total	\$	31,000

Structures

One-Pole Structure	\$	22,000
Two-Pole Structure	\$	29,000
Three-Pole Structure	\$	35,000
Lattice Tower	\$	54,000

DPS Q 440 Attachment A

SCHEDULE:

* Projected in service date is 6/2010.

DESIGN NARRATIVE:

Two 20 MVA Transformers are on order. The 115kV Breaker has been delivered. The contract of sale for the substation site has been signed. A down payment of \$15,000 has been paid to Vassar College. A subdivision application has been filed with the Town of Poughkeepsie Planning Department. The Planning Board declared themselves lead agency at their September 20th Planning Board meeting. The soil borings have been completed and Daniel G. Loucks, PE has prepared the Soil Subsurface Report. The Site Plan was completed and submitted to Vassar College for review as per the contract of sale. The Site Plan was submitted to the Town of Poughkeepsie for submission to the Planning Board. Several questions were raised by the Planning Board staff, which needed to be addressed before it could be placed on the Planning Board Agenda. One of the questions concerning the location of wetlands on the substation site has resulted in the relocation of the substation footprint. This in turn has required nearly a total revision of the Site Plan Package. The revised Site Plan Package is in final draft. The revised Site Plan Package is being reviewed by our lawyer and Vassar College. Jennifer Van Tuyl of Cuddy & Feder LLP has been retained as counsel as of 2/11/08. Hartgen Archeological has performed a Phase 1A/1B Archeological Investigation. Nothing of concern was found. A final report has been completed and has been submitted to New York State Office of Parks, Recreation and Historic Preservation (OPRHP). Hush Acoustics is under contract to perform a Noise Study. A plan was developed to measure ambient noise levels at five locations, two locations are located within the residential area across Spackenkill Rd from the substation site. Each location was monitored for a 24 hour period on a frequency-specific basis. Monitoring was completed on August 12th. The Noise Study is expected on September 15th for review. Ecological Solutions has completed the Endangered and Threaten Species Survey and the report is available. The only issue is one large Locust Tree, which is considered habitat for the endangered Indiana Bat, located within the construction area. All three studies were recommended by Van Tuyl to be included in the filed Full Environmental Assessment Form. It was recommended that the wetland delineation be redone by the same firm that performed the delineation on the adjacent Assembly of God site. Aspen Environmental was contacted and submitted a proposal, however insurance issues stopped the Contract process. Ecological Solutions, however, was able to perform the wetland delineation during the Endangered and Threaten Species Survey. Spectra Engineering has located the new delineation on the survey map. The Technical Specification for the Power Control Center is in final draft. The decision has been made to use Fiber Optic Cable for protection communication rather than carrier. The reduction in the anticipated 2008 Installation Expenditures and the revisions to the Key Deliverables are the result of delays in the Town Approval Schedule and a delay in the delivery of the two power transformers. Town Approval is not expected until May-June 2009 at the earliest. The plan is to submit a revised Subdivision Application and Site Plan by September 22nd for the Planning Board October 16th meeting.

PROTECTION NARRATIVE:

DPS Q 440 Attachment A

- Relay equipment specified.
- Control equipment specified (HMI & PLC); needs to be tested / ordered.
- Pro-Works PLC software must be purchased (also see Galeville).
- No Progress Since Last Report.
- Device settings to be issued in the first Quarter 2009.

CONSTRUCTION STATUS:

- Construction has not begun.

CRITICAL ITEMS:

- The approval process with the Town of Poughkeepsie is moving forward much slower than planned. This has made a direct impact on the schedule. This delay will extend the in service date to at least 6/2010.
- Due to the delay in the delivery of the two power transformers to 2009, the total expenditures for 2008 were reduced by \$514,686 (final payment to transformer vendor) and labor costs to take delivery of the transformers and dress them out for storage.

Dennis Van Wagenen – Project Engineer

Central Hudson Gas & Electric Corporation
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Response to Staff Information Request No. 483

From: Roenick
Requested of: Haering
Date of Request: 9/30/2008

Roenick: For Central Hudson Witness Haering

483) Witness Haering's testimony on page 9 states:

"The majority of the [Distribution Improvements] expenditures relate to the day-to-day capital requirements for distribution facilities. However, \$22,295,000 has been included for infrastructure improvement programs."

a. Please describe more fully the meaning of this number (\$22,295,000) and identify where this is found in the Company's filing.

Response:

Projects totaling \$22,295,000 are associated with infrastructure improvement programs including the following:

Description	Amount
14.4kV Cable Rejuvenation Program	\$ 6,500,000
14.4kV UG Infrastructure	\$ 2,070,000
Cutout Replacement Program	\$ 4,000,000
Distribution Pole Replacement Program	\$ 3,725,000
Distribution Automation - ALT Program	\$ 2,000,000
Recloser Replacement Program	\$ 2,275,000
10X Reliability Program	\$ 1,125,000
CEMesh	\$ 150,000
Secondary Network Upgrade Program	\$ 450,000
Total	\$22,295,000

The \$22,295,000 is the total cost in 2008 dollars. The amount built into the 2009-2013 Capital Forecast includes inflation. Annual spending, including the impact of inflation, for these projects is provided in the response to IR 482.

For additional information on these Programs, please see pages 10 and 11 of the Testimony, as well as the previously provided "2009-2013 Corporate Capital Forecast for Rate Case" dated May 16, 2008, Tab 7, Titled "14.4 kV Cable Replacement Program," Tab 8, Titled "Porcelain Cutout Replacement Program," Tab 9, Titled "Distribution Pole Replacement Program," Tab 10, Titled

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“Distribution Automation – ALT Installation Program,” and Tab 11, Titled “Distribution Automation – Recloser Changeout Program.” This information is contained on a CD overnighted to Michael Summa and John Favreau on August 12, 2008.

Date of Response: 10/6/2008
Response by: Paul Haering

Exhibit__(EIP-4)

Distribution Infrastructure Improvement Programs and Company's Estimated Costs

Description	Estimated Program Cost 2009 - 2013	Rate Year Estimate
14.4kV Cable Rejuvenation Program	\$6,500,000	\$1,295,000
14.4kV UG Infrastructure Program	\$2,070,000	\$1,046,000
Cutout Replacement Program	\$4,000,000	\$1,236,000
Distribution Pole Replacement Program	\$3,725,000	\$1,243,000
Distribution Automation - ALT Program	\$2,000,000	\$618,000
Recloser Replacement Program	\$2,275,000	\$703,000
10X Reliability Program	\$1,125,000	\$258,000
CEMesh	\$150,000	\$116,000
Secondary Network Upgrade Program	<u>\$450,000</u>	<u>\$103,000</u>
Total	\$22,295,000	\$6,618,000