

FEDERAL ENERGY REGULATORY COMMISSION  
WASHINGTON, D.C. 20426

OFFICE OF ENERGY PROJECTS

**In Reply Refer To:**  
OEP/DG2E/Gas 1  
Dominion Transmission, Inc.  
Storage Factory Project  
Docket No. PF07-12-000

March 4, 2008  
Matt Bley  
Manager, Gas Transmission Certificates  
Dominion Transmission, Inc.  
120 Tredegar Street.  
Richmond, VA 23219

**RE: Engineering Information Request**

Dear Mr. Bley:

We are continuing review of the scoping comments received on Dominion Transmission Inc.'s (Dominion) Storage Factory Project. As part of this review, our engineering staff has identified certain questions in regard to Dominion's planned Marker Road location for the Middletown Compressor Station. Please provide the following information as soon as it is available:

- On page 11 of the transcript of the February 6, 2008 public hearing held in Middletown, Maryland ("February 2008 Transcript"), Mr. Scott Canterbury, Manager, Engineering Projects for Dominion stated the Middletown Compressor Station is located as far south on Dominion's PL1 line where the "compression ratio for boosting the pressure could be optimized, while being located north of the critical delivery points." Provide the data sets used for the hydraulic studies conducted by Dominion to support its proposed transmission facilities for its Storage Factory Project. Provide a discussion of the system operational benefits and flexibility that the proposed transmission facilities would provide to Dominion and its project shippers.
- Provide the data sets used for the hydraulic studies conducted by Dominion to support its alternative design that would require up to of 40 miles of pipeline loop in order to provide the adequate delivery pressures during peak demand, as discussed by Mr. Canterbury on page 11, Lines 21 -25 of the February 2008 Transcript.

- On pages 32 and 40 of the February 2008 Transcript, two residents participating in the Public Scoping Meeting suggested that Dominion examine alternative site locations for the proposed Marker Road location for the Middletown Compressor Station. Provide an alternative analysis for each of the following distances from the currently proposed site, both upstream and downstream, on Dominion's PL1 Line: (i) 3 miles; (ii) 5 miles; and (iii) 10 miles. Provide the data sets used for the hydraulic studies conducted by Dominion to support each of the alternative designs.
- Provide an alternative analysis, which utilizes a combination of pipeline loop on the PL1 Line in conjunction with a new compressor station, in order to determine the maximum distance, both upstream and downstream, that the proposed new compressor station may be sited while still providing the same quality of service in Dominion's November 16, 2007 filing. Dominion should examine pipeline loop length in five-mile increments, starting at five miles and ending at forty miles. Discuss the viability of these pipeline loop and compressor station alternatives and compare the operational flexibility of these alternatives versus the planned Middletown Compressor Station. As part of its response, Dominion should provide the additional pipeline facilities and/or modifications accompanied by estimated facility costs. Also, provide the data sets used for the hydraulic studies conducted by Dominion to support its alternative designs.

When filing documents and maps, be sure to prepare separate volumes, as outlined on the Commission's web site at <http://www.ferc.gov/help/filing-guide/file-ceii/ceii-guidelines.asp>. Please note that the Commission's Order 702, effective December 14, 2007, modified the regulations pertaining to the filing of Critical Energy Infrastructure Information (CEII). Among other changes, the Non-Internet Public category has been eliminated. Any CEII material should be filed as non-public and labeled "**Contains Critical Energy Infrastructure Information – Do Not Release**" (18 CFR 388.112). Cultural resources material containing location, character, or ownership information should be marked "**Contains Privileged Information - Do Not Release**" and should be filed separately from the remaining information, which should be marked "**Public**."

If you have any questions, please call David Hanobic at (202) 502-8312. Thank you for your cooperation.

Sincerely,

David Hanobic  
Environmental Project Manager

cc: Public File, Docket No. PF07-12-000

Document Content(s)

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