

Witness: CL&P Panel
Request from: Connecticut Energy Advisory Board

Question:

What database or system representation did CL&P utilize in the load flow analysis upon which the Needs Analysis and the Options Analysis are based? Please describe that system representation, and its source. Also, please identify any facilities that were included in this representation but that were not in service as of 12/31/2005, including other components of the New England East-West Solution ("NEEWS").

Response:

The database utilized in the ISO-NE Needs Report and Options Report came from the ISO-NE library of base-case power-flow models of the electric system in New England. These base cases also include models of neighboring electric systems. The cases are compiled and maintained by ISO-NE in accordance with the annual FERC Form 715 filings made by transmission owners.

The base cases used in the Needs Report and Options Report include facilities that were not in service as of 12/31/2005 but were expected to be in-service at the time of the need for the NEEWS projects, which is as early as 2009. The major new transmission facilities in western Massachusetts and Connecticut that were included are the new and upgraded facilities associated with the Bethel - Norwalk Project, the Middletown - Norwalk Project, the Glenbrook Cables Project, the Long Island Replacement Cable Project and the Barbour Hill Substation Project. The Bethel-Norwalk Project and the Barbour Hill Substation Project are both complete and in service, and portions of the Middletown-Norwalk Project are in service. The Middletown-Norwalk Project, Glenbrook Cables Project and Long Island Cable Replacement Project are all nearing completion and have projected in-service dates either in late 2008 or early 2009.

The Needs Report modeling does not include the NEEWS projects. The Options Report modeling included the development of the NEEWS projects.