Docketed Correspondence Docket 10-10-09

Filer Information

Official Filer(s) Name: Janet R. Palmer Filing Firm's Name: Northeast Utilities

Company Name(If different than Filing Firm): Yankee Gas

Date Filed: 12/01/2010 12:17:46 PM

Individual (If any): Yankee Gas

Type: Other

Brief Description: 2011-2015 YGS Forecast of Demand and Supply Filings

Date: 12/01/2010

Attached Correspondence:
- Table of Contents & Index of Exhibits.doc
- Cover Forecast of Natural Gas Demand and Supply.doc
- Cover Porceast of Natural Gas Definited and Suppry, doc
- Exhibit NGAmkt update0510.pdf - Exhibit NGAmkt update0510.rtf
- Section I Final.doc - Section II Final.doc - SectIII EconTbls&Pits for dist.xls
- Sectili Tbis&Pits for dist.xls - Section III Final.doc - Text10 Sectili Final.doc
- Exhibit IV-1.1 to IV-1.4 Contracts.xls - Exhibit IV-2 Historic Peaking.xls
- Exhibit IV-3 TopTen Sendout 2001-2010.xls - Exhibit IV-4 Schematic Diagram.xls
- Exhibit IV-5 Peak Day Forecast.xls - Exhibit IV-6 Supply Disposition Normal.xls
- Exhibit IV-7 Supply Disposition Designxls
- Exhibit IV-8 Incremental vs Rolled in Price,xls - Section IV Final.doc

Comment:

December 1, 2010

Ms. Kimberley J. Santopietro Executive Secretary Department of Public Utility Control 10 Franklin Square New Britain, CT 06051

Re.

Docket No. 10-10-09 - DPUC Review of Connecticut Gas Utilities Forecasts of

Demand and Supply 2011-2015

Dear Ms. Santopietro:

On October 1, 2010 in Docket No. 10-10-04, Yankee Gas Services Company ("Yankee Gas" or the "Company") filed with the Department of Public Utility Control (Department) its 2011-2015 five-year forecast of loads and resources as required by Section 16-32f of the General Statutes of the State of Connecticut. In the cover letter, the Company requested they be allowed by the Department to will file their complete updated forecast with supporting material no later than 90 days after a Final Decision is issued in Docket No. 08-10-02.

On October 8, 2010, the Department notified the Company that it had reviewed the company's Report and finds that it does not fully comply with the specific reporting provisions contained in subsection (a) of Conn. Gen. Stat. § 16-32f. The Department, in that communication, notified Yankee to fully comply with the requirements of Conn. Gen. Stat. § 16-32f and file its complete updated forecast with supporting material by December 1, 2010.

Yankee Gas submits herewith the new forecast and supporting materials. The forecast report and supporting material will be available to the public during normal business hours at the Company's offices, located at 107 Selden St., Berlin, Ct. 06037, or by requesting a copy by contacting Ms. Tyra Peluso at (860) 665-2674. Copies of this report and supporting materials are also being furnished to the municipal, state and regional officials and agencies as required by CGS 16-32f.

Sincerely,

Janet R. Palmer Manager, State Policy - CT NUSCO - As Agent for Yankee Gas Services Company

Attachment

cc: Municipal Chief Executive Officers, Yankee Gas Service Area

Regional Planning Agencies

Attorney General

President Pro Tempore of the Senate Speaker of the House of Representatives Committee on Energy and Public Utilities

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SECTION III -- DEMAND

Section III presents the overall demand forecast, including the results of the class-specific firm and nonfirm forecasts, as well as information concerning the assumptions and methodologies used to generate these forecasts. The section is comprised of the following subsections, which detail the various components of the total demand forecast. Detailed model information is contained in the Appendix at the end of this section.

Section III.A. - Reference Case Forecast Results

Section III.B. -- Major Forecast Inputs

Section III.C. -- Modeling Approach and Development

Appendix - Econometric and SAE Model Output and Statistics

B. MAJOR FORECAST INPUTS

The demand forecasting process utilizes a set of projected economic/demographic assumptions as one of the primary driving forces behind the volume projections. The economic consulting firm of Moody's Analytics provides the basic economic/demographic forecasts for the State of Connecticut, consistent with its national forecast. These forecasts provide the assumptions used in the Company's econometric models to produce both the customer and use per customer forecasts. The economic forecast used was produced in July, 2010.

Another major input to the forecast models is energy prices. The Company uses Energy Ventures Analysis, Inc. ("EVA") forecasts of retail and wholesale energy prices in its forecasting process. EVA uses the Moody's Analytics U.S. outlook to drive its forecasts, providing further consistency in the forecasting process. Highlights of the Moody's Analytics and EVA forecasts for the U.S. and Connecticut as well as corresponding economic and price data used in Yankee Gas' sales models are presented on the following pages and in Exhibits III-3 through III-7.

As mentioned above, the models are adjusted for known or expected out-of-model impacts. The first impact examined was the potential for large customer changes. In the normal course of business, firms are continually leaving or entering the market. To be considered, the size of the change for any customer, or the size of the change across a particular class of the Company's customers, would have to be significant; e.g., the addition to commercial load from the 2002 Mohegan Sun expansion. For this forecast, the migration from interruptible to firm load represented a significant event precipitated by the decoupling of the historical oil to gas relationship. This migration represents a shift in load from interruptible to firm of approximately 1.1 Bcf. It is expected this phenomenon will quickly run its course, largely complete by 2011. Other changes noted were relatively small and tended to be offsetting. They were considered to be within the normal trend of the forecast models and, as such, embedded in the "noise" of the data.

Two other explicit adjustments were made to the model results. The first was for Company-sponsored conservation and load management impacts. The C&LM savings used in this forecast are consistent with those discussed in detail in Section II [check this]. For this forecast, the traditional low-income residential programs have been expanded by making them available to a wider spectrum of the residential customer class. Also, there has been a significant ramp-up in efforts to develop C&LM programs for the commercial and industrial sectors. The savings associated with these programs are included in the forecast.

The second adjustment was for the impact of distributed generation. This is a group of customers who intend to use natural gas to generate electricity for their own needs and to supply any excess power to the electric distribution system. The methodology for modeling the adoption of DG has progressed from its infancy a few years ago, but still has little historical data on the

Public Service Company of New Hampshire Docket No. DE 11-250

Data Request TC-03 Dated: 08/24/2012 Q-TC-006

Page 1 of 2

Witness:

Terrance J. Large

Request from:

TransCanada

Question:

Reference the September 2, 2008 report by PSNH to the Commission in DE 08-103, page 15, Section IV.D, please provide the heat rate factor that PSNH applied and provide any and all documentation in PSNH 's possession or the possession of any of its agents related to the analysis described in this section. Please explain when and why this analysis was done.

Response:

The heat rate factor applied was 7.62 MMBtu/MWh. This is a 2008-2011 average implied heat rate calculated from NYMEX gas prices. The attached exhibit provides the supporting detail for the 7.62 number. This analysis was done in the summer of 2008 to support the update filing to the NHPUC.

			;	avy implied Htirt중		7.62				
	APB	APB		NYMEX	NE Gas Basis	NE Gas (NYMEX	NE Gas	Implied Ht	Power	
	Peak	Offpk	24 hr	Hub Gas		plus basis)	(EVA)	Rate	Price	1
Cat 08	129.74	101.15	114.38	12.91	1.71	14.62	8.37	7.82	114.38	apb
Cal 09	117,75	92.25	104.24	11.72	2.18	:::13.90	8.81	7.60	104.24	apb
Cal 10	107.00	83.63	94.61	10.60	1.92	12.51	8.82	7.56	94.61	apb
Cal 11	103.63	81.25	91.77	10.28	1,80	12.08	9.04	7.60	91.77	apb
Cal 12				10.34	1.70	12.03	9,53	,	91.78	nymex
Cal 13				10,55	· 1.73	12.28	8.97	1	68.98	eva
Cal 14				10.77	1.77	12.54	9.24	i	49970(37)	eva
Cal 15				10.99	1.81	12.80	9,60	- 1	(E-72 43)	eva
Cal 16				11.22	1.84	13,07	9.78	l:	74 52	eva
Cal 17			•	11.46	. 1.88	13,34	10.06	Į,	76.67	eva
Dal 18				11,70	1.92	13.63	10.35	Į.	78,87	ova
Cal 19				11.96	1,97	13.93	10,65	l,	29.81/14	eva es
Cal 20				12.22	2.01	14.22	10.95	Į.	88 47	eva es
lominal do	llars									

Used TZ6 Basis swap from NYMEX Jun 11th for 2008- 2012 basis
Used EVA (Feb 2008 brecast) for 2013 - 2018 delivered gas
Used EVA growth rate to derive 2019 - 2020 delivered gas (Boston citygate)