

ORIGINAL	
N.H.P.U.C. Case No.	DE 10-261
Exhibit No.	PSNH-17
Witness	PANEL 9
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**Public Service Company of New Hampshire
Least Cost Integrated Resource Plan**

Docket No. DE 10-261

Staff Responses to First Set of PSNH Data Requests to Staff

Date Received: August 15, 2011

Date of Response: August 29, 2011

Request: PSNH 1-24

Witness: George McCluskey

REQUEST:

Referencing page 20, lines 18-21, regarding Staff or Jacobs proposed higher RFO/gas and 2FO/gas price ratios (on an MMBtu basis):

- a. Please provide an explanation of the theory, data analysis, and assumptions that support Staff and Jacobs' proposed ratios for the 2011 to 2020 period.
- b. Please explain whether the proposed ratios represented a sensitivity test or Staff or Jacobs' expected price view.
- c. Please provide a copy of all studies performed by Staff or Jacobs since January 1, 2010 that project or discuss future oil product and natural gas prices.

RESPONSE:

- a. There is no theory involved here. The assumptions for the higher ratios are based on personal expectations. As noted in the Jacobs Consultancy report, these ratios are at the conservative end of our range based on current expectations for the 2011 to 2020 period. We believe that a conservative view is appropriate for this type of single point – versus stochastic - analysis.
- b. The proposed RFO/gas and 2FO/gas ratios were not offered to test model sensitivity. Rather they reflected Jacobs' expected view of the change in those price ratios over time.
- c. The studies performed by Jacobs for this period that Mr. Arnold is aware of are part of commercially confidential reports prepared for clients.