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Website:
www.puc.nh.gov

February 23, 2017

NHPUC 23FEB17PM1:00

Re: DG 16-827, Non-Governmental Customers of Concord Steam Fund Petition
Energy Saving Calculation Worksheet and Instructions

To the Parties:

Attached is an Energy Saving Calculation Worksheet and Instructions prepared by Staff as directed by the Commission secretarial letter issued earlier today.

Please contact me if you have any questions regarding the instructions and calculation.

Sincerely,

/s/ Stephen P. Frink

Stephen P. Frink
Assistant Director, Gas & Water Division

cc: Service List (Electronically)
Docket File

Means Test for Concord Steam Customer Converting to Natural Gas

Using 2015 Concord Steam bills determine the annual aggregate Mlb usage by meter size.

Calculate the annual energy cost for Concord Steam service by multiplying aggregate Mlb usage by the current Concord Steam combined usage and COE rates.¹

Calculate the annual energy cost for Liberty Utilities service by multiplying aggregate Mlb usage by the current steam equivalent rate for a Liberty.²

Calculate the annual aggregate energy savings by meter size.

Calculate the total energy savings for all buildings/meters.

Divide actual or estimated conversion cost by total annual savings to determine the simple payback.

Illustration of Means Test Calculation

Energy Savings Calculator - Steam to Gas						
Meter Size	2015 Usage (Mlbs)	Usage & COE Rate	Annual Cost	Equivalent Gas Rate	Annual Cost	Annual Savings
Small	150	\$69.26	\$10,389.00	\$14.88	\$2,232.00	\$8,157.00
Medium	500	\$68.10	\$34,050.00	\$14.88	\$7,440.00	\$26,610.00
Large	2,000	\$64.61		\$14.88		\$0.00
Total Annual Energy Savings						\$34,767
Conversion Cost						\$400,000
Simple Payback in Years						11.5
Energy Savings Over Ten Years						\$347,670
Costs Eligible for Proposal (Conversion cost less 10 years of savings)						\$52,330

¹ Concord Steam rates combined usage and COE rates effective December 1, 2016. Does not include meter charges.

² Most, if not all, non-governmental customers are expected to be in the Liberty G-41 customer class. The Current Liberty rate of \$1.1205 per therm was calculated using the weighted average all in rate (customer charge, delivery and supply rates and current surcharges) for the months of Nov 2016 through Apr 2017 as provided in Schedule 8 of the Liberty 2016-2017 winter COG filing (Docket DG 16-814) and updated for monthly COG rate changes. The Equivalent steam rate was calculated using the Fuel Conversion Calculator on the PUC website - <http://www.puc.nh.gov/Gas-Steam/naturalgasvsalternatives.htm>.

SERVICE LIST - EMAIL ADDRESSES - DOCKET RELATED

Pursuant to N.H. Admin Rule Puc 203.11 (a) (1): Serve an electronic copy on each person identified on the service list.

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FILING INSTRUCTIONS:

- a) Pursuant to N.H. Admin Rule Puc 203.02 (a), with the exception of Discovery, file 7 copies, as well as an electronic copy, of all documents including cover letter with:**

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- b) Serve an electronic copy with each person identified on the Commission's service list and with the Office of Consumer Advocate.**

- c) Serve a written copy on each person on the service list not able to receive electronic mail.**