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The Northeast Utilities System

Gerald M. Eaton Senior Counsel

E-Mail: eatongm@psnh.com

April 21, 2008

Debra A. Howland Executive Director and Secretary State of New Hampshire Public Utilities Commission 21 South Fruit Street, Suite 10 Concord, NH 03301-2429

Re: Interim Change in the Default Energy Service Rate - Docket No. DE 07-096

Dear Ms. Howland:

Enclosed please find an original and six copies of the testimony and attachments of Robert A. Baumann containing a recalculation and supporting documentation for a Default Energy Service rate applicable to PSNH's customers who take service under Default Energy Service Rate D on and after July 1, 2008. PSNH currently calculates that there will be an increase in the rate from the current 8.82 cents per kilowatt-hour to 9.25 cents per kilowatt-hour. As is customary, PSNH will file updated projections of costs and actual experience through April; therefore, the rate PSNH ultimately requests may differ from the current calculation.

PSNH requests that the Commission reopen this proceeding and schedule a hearing so that a final determination of a rate may be made by June 24, 2008. PSNH plans to make the transition from the current Customer Billing System to the new C2 System on July 1, 2008. It would be preferable to have a week in which to test the new rate on the new billing system. PSNH has discussed this matter with Staff and the Office of Consumer Advocate, and a hearing date of June 11, 2008 was reserved for this matter on the Commission's schedule.

Concurrently with this filing, PSNH is requesting the Commission to reopen the Stranded Cost Recovery Charge (SCRC) proceeding to enable PSNH to request a change in the SCRC on July 1, 2008. Copies have been provided to the persons on the attached service list pursuant to Puc§203.02 and Puc §203.11.

Sincerely,

Gerald M. Eaton Senior Counsel

Gerald M. Tatos

Enclosures cc: Service List

ORIGINAL

N.H.P.U.C. Case No. 07-096

Exhibit No. 9

Witness Panel 1

DO NOT REMOVE FROM FILE

Service List Docket DE 07-096

Ms. Debra A. Howland Executive Director & Secretary State of New Hampshire Public Utilities Commission 21 S. Fruit Street, Suite 10 Concord, NH 03301-2429

Ms. Mary Coleman Assistant Director - Electric Utilities State of New Hampshire Public Utilities Commission 21 S. Fruit Street, Suite 10 Concord, NH 03301-2429

Ms. Amanda Noonan Consumer Affairs Director State of New Hampshire Public Utilities Commission 21 S. Fruit Street, Suite 10 Concord, NH 03301-2429

Mr. Wynn E. Arnold Senior Assistant Attorney General NH Department of Justice Civil Bureau 33 Capitol Street Concord, NH 03301

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Mr. Michael Giaimo Vice President Business & Industry Association 122 North Main Street Concord, NH 03301

Ms. K'LaRae Nolin Admin Support Public Service of New Hampshire 780 N. Commercial Street Manchester, NH 03105-0330

Atty. David J. Shulock Brown, Olson & Gould 2 Delta Drive, Suite 301 Concord, NH 03301-7426 * * Librarian State of New Hampshire Public Utilities Commission 21 S. Fruit Street, Suite 10 Concord, NH 03301-2429

Mr. Thomas C. Frantz Director - Electric Utilities State of New Hampshire Public Utilities Commission 21 S. Fruit Street, Suite 10 Concord, NH 03301-2429

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Atty. Donald J. Pfundstein Gallagher Callahan & Gartrell 214 North Main St. PO Box 1415 Concord, NH 03302-1415 Ms. Suzanne Amidon Staff Attorney State of New Hampshire Public Utilities Commission 21 S. Fruit Street, Suite 10 Concord, NH 03301-2429

Mr. Steve Mullen Utility Analyst III State of New Hampshire Public Utilities Commission 21 S. Fruit Street, Suite 10 Concord, NH 03301-2429

Mr. Kenneth E. Traum Office of Consumer Advocate 21 S. Fruit Street, Suite 18 Concord, NH 03301-2429

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THE STATE OF NEW HAMPSHIRE

BEFORE THE NEW HAMPSHIRE PUBLIC UTILITIES COMMISSION

PREPARED TESTIMONY OF ROBERT A. BAUMANN

DEFAULT ENERGY SERVICE RATE MID-TERM ADJUSTMENT

Docket No. DE 07-096

| 1 | Q. | Please state your name, business address and position. |
|----|----|--|
| 2 | A. | My name is Robert A. Baumann. My business address is 107 Selden Street, Berlin, Connecticut. |
| 3 | | I am Director, Revenue Regulation & Load Resources for Northeast Utilities Service Company |
| 4 | | (NUSCO). NUSCO provides centralized services to the Northeast Utilities (NU) operating |
| 5 | | subsidiaries, including Public Service Company of New Hampshire (PSNH), The Connecticut |
| 6 | | Light and Power Company, Yankee Gas Services Company, Western Massachusetts Electric |
| 7 | | Company and Holyoke Water Power Company. |
| | | |
| 8 | Q. | Have you previously testified before the Commission? |
| 9 | A. | Yes. I have testified on numerous occasions before the Commission. |
| | | |
| 10 | Q. | What is the purpose of your testimony? |
| 11 | A. | The purpose of my testimony is to provide a detailed overview of PSNH's request for a mid-term |
| 12 | | adjustment to increase the current Default Energy Service (ES) rate effective on July 1, 2008. |

- 1 Q. Please provide the historic and current ES rates.
- 2 A. The table below outlines ES rates in effect from May 1, 2001 to the present for residential, small
- 3 commercial and industrial customers (Group 1) and large commercial and industrial customers
- 4 (Group 2).

Date of Service

| May 2001 - January 2003 | (a) | 4.40 cents per kWh |
|------------------------------|-----|--------------------|
| February 2003 - January 2004 | (b) | 4.60 / 4.67 |
| February 2004 - July 2004 | | 5.36 |
| August 2004 - January 2005 | | 5.79 |
| February 2005 - July 2005 | | 6.49 |
| August 2005 - January 2006 | | 7.24 |
| February 2006 – June 2006 | | 9.13 |
| July 2006 - December 2006 | | 8.18 |
| January 2007 – June 2007 | | 8.59 |
| July 2007 - December 2007 | | 7.83 |
| January 2008 | | 8.82 |
| | | |

- 5 (a) Set by statute for all retail customers.
- 6 (b) Small C&I and residential set by statute (4.60 cents). Large C&I set on forecasted costs (4.67 cents)
- 8 Initially, Energy Service rates were set by statute. Beginning in February 2003, the Energy
- 9 Service rate for large commercial and industrial customers (Group 2) was based on PSNH's
- forecast of "actual, prudent and reasonable costs" (4.67 cents). Beginning in February 2004, the
- 11 Energy Service rate for all retail customers was based on a forecast of PSNH's "actual, prudent
- 12 and reasonable costs."

13 Q. What is PSNH requesting in this proceeding?

- 14 A. In this proceeding, PSNH is requesting that the Commission approve a mid-term adjustment to
- the ES rate for all customers effective July 1, 2008. This rate adjustment would increase the

| 1 | | current ES rate of 8.82 cents per kWh to 9.25 cents per kWh, based on actual results through |
|----|----|--|
| 2 | | March 2008 and the most current forecast of PSNH's costs of providing such power for the |
| 3 | | remainder of 2008. The detailed calculations supporting the proposed ES rate can be found in |
| 4 | | Attachments RAB-1 and RAB-2 to this testimony. |
| | | |
| 5 | Q. | Please provide an overview of how the Energy Service cost recovery mechanism works. |
| 6 | A. | PSNH recovers the cost of supplying energy to customers who choose to receive energy from |
| 7 | | PSNH though the ES rate. The ES rate is forecasted, and then reconciled once actual costs are |
| 8 | | known. ES reconciliation amounts beginning in February 2006 are deferred and applied to future |
| 9 | | ES rate recoveries per the Commission's order and findings in Docket No. DE 05-164, Order No. |
| 10 | | 24,579, dated January 20, 2006. |
| | | |
| 11 | Q. | Describe what has transpired during the ES period beginning January 1, 2008? |
| 12 | A. | The current ES rate of 8.82 cents per kWh became effective on January 1, 2008 for the twelve |
| 13 | | month period, January - December 2008. Since that time, there have been significant increases in |
| 14 | | current market prices for several cost components from the level used in forecasting the current |
| 15 | | ES rate. These significant increases have occurred in the commodity cost of coal, coal |
| 16 | | transportation, market purchases and the cost of oil. Without a rate change, the total projected |
| 17 | | under-recovery for the 2008 ES year is now \$17.3 million. Our proposed ES rate of 9.25 |
| 18 | | cents/kWh reflects the recovery of this projected under recovery by year end. |
| | | |
| | | |
| 19 | Q. | When will PSNH provide further information on these significant cost increases? |

market prices for the remainder of the year, and including actual April 2008 results. At that time

21

1 we will provide further detail to support this requested rate change. That detail will be filed in a 2 Technical Statement. 3 Q. Are the costs that PSNH has included in this ES rate filing consistent with past ES filings? 4 A. Yes. ES costs contain the revenue requirements associated with generation assets, generation 5 entitlements and purchased power obligations. In addition, ES costs include the fuel costs associated with PSNH's generation as well as costs and revenues from market purchases and 6 7 sales of electricity and ISO-NE expenses and revenues. The generation revenue requirements 8 include non-fuel costs of generation, including non-fuel operation and maintenance costs, 9 allocated administrative and general costs, depreciation, property taxes, payroll taxes, and a return 10 on the net fossil/hydro investment. In addition, ES costs reflect the ES portion of uncollectible 11 expense consistent with the Settlement Agreement in PSNH's Delivery Service Rate Proceeding, 12 Docket No. DE 06-028. 13 Q. How are PSNH's mandated purchased power obligations (IPPs) valued in calculating the 14 **Energy Service rate?** 15 PSNH includes the IPP generation as a source of power to meet PSNH's load requirements, and A. 16 that power is valued based on projected market costs (energy and capacity). The over-market 17 portion of purchases from the IPPs are considered to be a stranded cost and recovered as a Part 2 18 cost through the Stranded Cost Recovery Charge. This treatment is consistent with the 19 Restructuring Settlement and the Commission's Order in Docket No. DE 02-166. As market 20 prices increase, the ES costs increase and there is a corresponding decrease to the SCRC rate for 21 the same time period. To properly match the recovery of IPP costs, PSNH will also 22 simultaneously file for a change in the SCRC rate effective July 1, 2008.

| 1 | Q. | Does the Commission need to make a determination at this time of the prudence of the costs |
|----|-----|---|
| 2 | | incurred since January 1, 2008? |
| 3 | A. | No. Those issues will be addressed in the Energy Service Charge reconciliation which has |
| 4 | | traditionally been filed in early May following the calendar year when those costs were incurred |
| 5 | | and collected. |
| 6 | Q. | Does PSNH propose to implement the new Energy Service rates on a bills-rendered basis? |
| 7 | A. | Yes. PSNH proposes implementation of the new ES rates for all customers taking such service |
| 8 | 7 % | on a bills-rendered basis. In the rate case settlement agreement (Docket No. DE 06-028), the |
| 9 | | parties agreed that all delivery service rate changes would be implemented on a bills-rendered |
| 10 | • | basis. The final delivery service rate change provided for by the settlement will occur on July 1, |
| 11 | | 2008, when PSNH will implement a delivery service rate change to remove recoupment. in |
| 12 | | accordance with the settlement, this change will be implemented on a bills-rendered basis. It is |
| 13 | | not possible for PSNH to implement changes to some rate components on a bills-rendered basis |
| 14 | | and changes to other rate components on a service-rendered basis. Therefore, PSNH is proposing |
| 15 | | to implement the new ES rate on a bills-rendered basis, consistent with the manner in which the |
| 16 | | delivery rate change will be implemented. |
| 17 | Q. | Does PSNH require Commission approval of this rate by a specific date? |
| 18 | A. | Yes, PSNH requests final approval of the proposed ES rate by June 24, 2008, in order to |
| 19 | | implement the new rate for bills rendered as of July 1, 2008. This timing would provide PSNH |
| 20 | | additional time for testing of the rate change which will take place concurrent with the switchover |
| 21 | | of the current Customer Service Billing System (CS) to the new system (C2) in the first week of |

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Testimony of Robert A. Baumann Docket No. DE 07-096 April 21, 2008 Page 6 of 6

- July 2008. Therefore, PSNH requests that the Commission commence a proceeding so that the
- 2 procedural schedule can be set to review this filing and approve the revised ES rate in a timely
- 3 manner.
- 4 Q. Does this conclude your testimony?
- 5 A. Yes, it does.

| 2 3 4 | LIC SERVICE CO 008 ENERGY SER (Dol | | | |
|--|--|-----------|--------------------------|--|
| 5 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 Summary of Forecasted Energy Service | | | | |
| 11 Cost For January 2008 Through December 2008 | TO | TAL COST | Reference | |
| 12 | | | | |
| 13 Fossil energy costs | \$ | 161,204 | Attachment RAB-2, page 2 | |
| 14 F/H O&M, Depreciation & Taxes | | 136,992 | Attachment RAB-2, page 2 | |
| 15 Return on rate base | | 39,630 | Attachment RAB-2, page 2 | |
| 16 Ancillary, ISO-NE, Uplift, RPS & Capacity Costs | | 45,279 | Attachment RAB-2, page 2 | |
| 17 Vermont Yankee | | 6,863 | Attachment RAB-2, page 2 | |
| 18 IPP costs (1) | | 44,137 | Attachment RAB-2, page 2 | |
| 19 Purchases and Sales | | 298,084 | Attachment RAB-2, page 2 | |
| 20 Return on ES Deferral | | (23) | Attachment RAB-2, page 2 | |
| 21 ES Uncollectible Expense | | 1,566 | Attachment RAB-2, page 2 | |
| 22 2007 Actual ES Underrecovery | | (17,560) | Attachment RAB-2, page 3 | |
| | | | | |
| 23 Total Updated Energy Service Cost | \$ | 716,172 | Attachment RAB-2, page 2 | |
| 24 Total Updated Revenue at 8.59 cents per kwh | | 698,833 | Attachment RAB-2, page 2 | |
| 25 Energy Service Under/(Over) Recovery | \$ | 17,339 | | |
| 26 Forecasted Retail MWH Sales - July - December 2008 | | 4,066,771 | Attachment RAB-2, page 2 | |
| , | | , | | |
| 27 Increase in Energy Service Rate - cents per kwh (L25/ | 26) \$ | 0.43 | | |
| 28 Energy Service rate as approved in DE 06-096 - cents | per kwh\$ | 8.82 | | |
| 29 Updated Energy Service rate effective 7/1/08 - cents po | er kwh \$ | 9.25 | | |

30 (1) The IPP costs represent the forecasted Market Value of IPP generation.

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE 2008 ENERGY SERVICE RATE CALCULATION (Dollars in 000's)

| 1 | |
|---|--|
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |

| 7 | | | | | | | | | | | | |
|--|----|----------|----|----------|---------------|----|-------------|----|-------------|-------------|---------|-----------|
| 8 | | January | | February | March | | April | | May | | June | |
| 9 | | 2008 | | 2008 | 2008 | | 2008 | | 2008 | | 2008 | |
| 10 Energy Service Cost | | Actual | | Actual | Actual | F | Re-estimate | | Re-estimate | Re-estimate | | Referenc |
| 11 | | | | | | | | | | | | |
| 12 Fossil Energy Costs | \$ | 16,636 | \$ | 13,653 | \$ 13,937 | \$ | 5,029 | \$ | 6,023 | \$ | 14,325 | RAB-2, P3 |
| 13 F/H O&M, Depreciation & Taxes | | 8,945 | | 8,942 | 9,904 | | 18,718 | | 13,386 | | 9,443 | RAB-2, P5 |
| 14 Return on Rate Base | | 2,990 | | 3,003 | 2,978 | | 3,128 | | 3,287 | | 3,378 | RAB-2, P6 |
| 15 Ancillary, ISO-NE, Uplift, RPS & Capacity Costs | | 3,736 | | 3,516 | 4,188 | | 3,062 | | 2,844 | | 3,858 | RAB-2, P3 |
| 16 Vermont Yankee | | 655 | | 605 | 567 | | 607 | | 627 | | 607 | RAB-2, P3 |
| 17 IPP Costs | | 5,798 | | 5,352 | 4,959 | | 3,794 | | 3,647 | | 2,988 | RAB-2, P4 |
| 18 Purchases and Sales | | 17,828 | | 17,464 | 18,708 | | 33,552 | | 29,576 | | 20,659 | RAB-2, P3 |
| 19 Return on ES Deferral | | (74) | | (69) | (75) | | (83) | | (42) | | (24) | |
| 20 ES Uncollectible Expense | | - | | - | - | | 174 | | 174 | | 174 | |
| 21 2007 Actual ES Over-recovery | _ | (17,560) | | - | - | | | | - | | - | |
| 22 | | | | | | | | | | | | |
| 23 Total Energy Service Cost Re-estimate | \$ | 38,954 | \$ | 52,467 | \$ 55,167 | \$ | 67,981 | \$ | 59,522 | \$ | 55,408 | |
| 24 | | | | | | | | | | | | |
| 25 Total Energy Service Revenue @ 8.82 | \$ | 61,543 | \$ | 56,104 | \$ 57,537 | \$ | 56,560 | \$ | 53,122 | \$ | 55,277 | |
| 26 | | | | | | | | | | | | |
| 27 ES Under/(Over) Recovery | \$ | (22,589) | \$ | (3,637) | \$ (2,370) | \$ | 11,421 | \$ | 6,399 | \$ | 131 | |
| 28 | | | | | | | | | | | | |
| 29 Retail MWH Sales | | 697,877 | | 636,122 | 652,440 | | 641,272 | | 602,293 | | 626,721 | |
| 30 | | | | | | | | | | | | |
| 31 Energy Service Cost - cents per kwh | | 5.58 | | 8.25 | 8.46 | | 10.60 | | 9.88 | | 8.84 | |

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE 2008 ENERGY SERVICE RATE CALCULATION (Dollars in 000's)

| 0 | | | | | | | | | | | | | | |
|--|----|-----------|----|------------|----|------------|----|------------|----|------------|----|------------|---------------|-----------|
| 7 | | | | | | | | | | | | | | |
| 8 | | July | | August | S | eptember | | October | ٨ | lovember | | ecember | | |
| 9 | | 2008 | | 2008 | | 2008 | | 2008 | | 2008 | | 2008 | | |
| 10 Energy Service Cost | Re | -estimate | Re | e-estimate | R | e-estimate | R | e-estimate | R | e-estimate | R | e-estimate | Total | Reference |
| 11 | | | | | | | | | | | | | | |
| 12 Fossil Energy Costs | \$ | 19,739 | \$ | 17,952 | \$ | 12,291 | \$ | 11,992 | \$ | 14,524 | \$ | 15,100 | \$ | RAB-2, P3 |
| 13 F/H O&M, Depreciation & Taxes | | 10,523 | | 9,836 | | 13,948 | | 14,293 | | 9,252 | | 9,802 | | RAB-2, P5 |
| 14 Return on Rate Base | | 3,431 | | 3,459 | | 3,487 | | 3,492 | | 3,495 | | 3,501 | 39,630 | RAB-2, P6 |
| 15 Ancillary, ISO-NE, Uplift, RPS & Capacity Costs | | 3,839 | | 3,656 | | 3,461 | | 3,965 | | 4,469 | | 4,685 | | RAB-2, P3 |
| 16 Vermont Yankee | | 627 | | 627 | | 607 | | 344 | | 364 | | 627 | | RAB-2, P3 |
| 17 IPP Costs | | 2,701 | | 2,492 | | 2,249 | | 2,812 | | 3,326 | | 4,018 | | RAB-2, P4 |
| 18 Purchases and Sales | | 26,201 | | 30,272 | | 28,836 | | 28,984 | | 21,525 | | 24,479 | 298,084 | RAB-2, P3 |
| 19 Return on ES Deferral | | (11) | | 12 | | 42 | | 81 | | 105 | | 115 | (23) |) |
| 20 ES Uncollectible Expense | | 174 | | 174 | | 174 | | 174 | | 174 | | 174 | 1,566 | |
| 21 2007 Actual ES Over-recovery | | - | | | | - | | - | | | | | (17,560) | <u>)</u> |
| 22 | | | | | | | | | | | | | | |
| 23 Total Energy Service Cost | \$ | 67,224 | \$ | 68,480 | \$ | 65,095 | \$ | 66,137 | \$ | 57,235 | \$ | 62,501 | \$ 716,172 | |
| 24 | | | | | | | | | | | | | | |
| 25 Total Energy Service Revenue @ 8.82 | \$ | 63,189 | \$ | 63,920 | \$ | 57,504 | \$ | 56,984 | \$ | 56,606 | \$ | 60,487 | 698,833 | |
| 26 | | | | | | | | | | | | | | |
| 27 ES Under/(Over) Recovery | \$ | 4,036 | \$ | 4,561 | \$ | 7,591 | \$ | 9,154 | \$ | 629 | \$ | 2,014 | 17,339 | |
| 28 | | | | | | | | | | | | | | |
| 29 Forecasted Retail MWH Sales | | 716,428 | | 724,714 | | 651,976 | | 646,075 | | 641,787 | | 685,791 | 7,923,496 | |
| 30 | | | | | | | | | | | | | | |
| 31 Energy Service Cost - cents per kwh | | 9.38 | | 9.45 | | 9.98 | | 10.24 | | 8.92 | | 9.11 | 9.04 | |
| • | | | | | | | | | | | | | | |

PUBLIC SERVICE RATE COMPANY OF NEW HAMPSHIRE 2008 ENERGY SERVICE RATE CALCULATION

PSNH Generation (GWh) and Expense (\$000) IPP's Priced at Market Rate

| 1 | | | | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Dec-08 | Total |
|----------|--------------------------------------|--------------------------|----|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------------------|
| 2 3 | | Energy | | 39.032 | 37.121 | 28.043 | 20.382 | 18.664 | 16.544 | 23.186 | 31.518 | 30.355 | 244.845 |
| 4 | Coal; | Energy | | 121.822 | 121,176 | 321.389 | 340.894 | 327.280 | 271.526 | 267.065 | 326.022 | 339.890 | 2,437.064 |
| 5 | | Energy Expense | \$ | 4,866 | 5,471 | 13,791 | 14,613 | 14,053 | 11,757 | 11,607 | 13,990 | 14,548 | 104,696 |
| 6 | | | | | | | | | | | | | |
| 7 | Wood: | Energy | | 10.571 | 30.132 | 29.160 | 30.132 | 30.132 | 29.160 | -21.020 | 29.160 | 30.132 | 239.599 |
| 8 | | Energy Expense | \$ | 527 | 1,501 | 1,453 | 1,501 | 1,501 | 1,453 | 1,047 | 1,453 | 1,501 | 11,939 |
| 9 | | Revenue Credit | | 1334) | (949) | (919) | (949) | (949) | (919) | (662) | (919) | (949) | (7,579) |
| 10 | Nuclear: | E | | 14.64 | 15,128 | | 45 400 | 15,128 | | | | 15.128 | 121,512 |
| 12 | | Energy Energy Expense | s | 607 | 627 | 14.64 607 | 15.126 627 | 15.128 627 | 14.64 607 | 8.296 344 | 8.784 364 | 15.128 | 5,037 |
| 13 | | chergy expense | • | 607 | 627 | 607 | 627 | 627 | 607 | 344 | 304 | 627 | 5,037 |
| 14 | | Energy | | 0.000 | 0.000 | 0.000 | 46,281 | 33.943 | 0.000 | 0.000 | 0.000 | 0.000 | 80.224 |
| 15 | | Energy Expense | 5 | 0.000 | | - | 4,574 | 3,347 | 0.000 | 0.000 | 0.000 | 0.000 | 7,921 |
| 16 | | | | | | | ., | 0,044 | | | | | ., |
| | IPP's: | Energy | | 51,160 | 41,113 | 32,225 | 26.384 | 24.238 | 24.137 | 28.431 | 34.672 | 39.067 | 301.427 |
| 18 | | Energy Expense | \$ | 3,564 | 3,412 | 2,841 | 2,554 | 2,345 | 2,102 | 2,523 | 3,037 | 3,729 | 26,107 |
| 19 | | ICAP | 2 | 230 | 235 | 147 | 147 | 147 | 147 | 289 | 289 | 289 | 1,920 |
| 20 | | | | | | | | | | | | | |
| 21 | | Energy | | 61.346 | 33.909 | 48.589 | 78.221 | 73.728 | 79.082 | 99.668 | 53.281 | 70.124 | 597.948 |
| 22 23 | | Expense | \$ | 4,808 | 2,749 | 4,264 | 7,889 | 7,693 | 7,333 | 9,402 | 5,006 | 7,115 | 56,279 |
| 24 | | Energy | | 323,488 | 316.277 | 180,704 | 169.877 | 167.477 | 197.504 | 153.877 | 143.904 | 152.277 | 1,805.385 |
| 25 | | Expense | s | 24,825 | 23,490 | 15,166 | 14,967 | 14,709 | 16,197 | 12,813 | 11,913 | 12,651 | 146,731 |
| 26 | | Cxperiou | • | 24,023 | 25,480 | 13,100 | 14,507 | 14,703 | 10,107 | 12,013 | 11,513 | 12,031 | 140,731 |
| 27 | | Energy | | 60.948 | 44.934 | 35.221 | 45,941 | 85.309 | 66.071 | 83,795 | 53,701 | 51,060 | 526,980 |
| 28 | • | Expense | 5 | 4,030 | 3,402 | 2,996 | 4,370 | 8,400 | 5,783 | 6,769 | 4,630 | 4,765 | 45,145 |
| 29 | | • | | | | | | | | | , | | |
| 30 | Surplus Energy Sales | Energy | | (1.825) | (0.897) | (25,171) | (13.335) | (7.209) | (7.097) | 0.000 | (0.302) | (0.669) | (56.305) |
| 31 | | (Credit) | \$ | (111) | (65) | (1,787) | (1,025) | (530) | (477) | 0 | (24) | (52) | (4,071) |
| 32 | | | | | | | | | | | | | |
| 33 34 | Congestion and Loss Adjustment | | \$ | (554) | (498) | 103 | 15 | (176) | (301) | (374) | 28 | (8) | (1,766) |
| | Total Energy GWH | | | | | | 750 005 | 700.000 | | | | 707.004 | |
| | | | s | 681,382 42,428 | 638.893 39,374 | 664.800 38,682 | 759.905 49,284 | 768.690 51,167 | 691.567 43.683 | 685.338 43,758 | 680.740 39.767 | 727.364 44.216 | 6,298.679 392,359 |
| 37 | Total Energy Expense | | • | 42,420 | 39,374 | 30,002 | 49,284 | 31,167 | 43,003 | 43,758 | 39,767 | 44,210 | 392,359 |
| | Other Expense & Capacity | | | | | | | | | | | | |
| | ISO-NE, Uplift, Reserve & Regulation | n. | \$ | 1,225 | 877 | 1,311 | 1,379 | 1,388 | 1,317 | 1,275 | 1,272 | 1,314 | 11,358 |
| 40 | | | • | ., | • | ., | .,010 | .,000 | .,011 | .,2.70 | .,2.2 | .,014 | ,000 |
| 41 | | | \$ | (142) | (142) | (142) | (142) | (142) | (142) | (142) | | | (994) |
| 42 | | | | | | , | | | | | | | |
| | Capacity (sold)/bought MW-mo | | | 830 | 855 | 690 | 690 | 690 | 690 | 855 | 845 | 901 | 7,045 |
| 44 | Capacity (sold)/bought Cost (\$000) | | \$ | 2,533 | 2,607 | 2,587 | 2,587 | 2,587 | 2,587 | 3,206 | 3,169 | 3,379 | 25,241 |
| | | | | | | | | | | | | | |

Page 4

1 Forecasted PSNH IPP Market Value

| 2 | | | | | | | | |
|----|-----------|---------|-----------|----------|------------|---------|---------|--------|
| 3 | | | IPP at | | | | | |
| 4 | | IPP | Mkt Value | Capacity | ICAP Value | ICAP | Total | Total |
| 5 | Month | GWh | (\$000) | MW | \$/kw-mo | (\$000) | (\$000) | \$/MWh |
| 6 | May | 41.113 | 3,412 | 77.1 | 3.05 | 235.0 | 3,647 | 88.71 |
| 7 | June | 32.225 | 2,841 | 39.1 | 3.75 | 147.0 | 2,988 | 92.72 |
| 8 | July | 26.384 | 2,554 | 39.1 | 3.75 | 147.0 | 2,701 | 102.37 |
| 9 | August | 24.238 | 2,345 | 39.1 | 3.75 | 147.0 | 2,492 | 102.81 |
| 10 | September | 24.137 | 2,102 | 39.1 | 3.75 | 147.0 | 2,249 | 93.18 |
| 11 | October | 28.431 | 2,523 | 77.1 | 3.75 | 289.0 | 2,812 | 98.91 |
| 12 | November | 34.672 | 3,037 | 77.1 | 3.75 | 289.0 | 3,326 | 95.93 |
| 13 | December | 39.067 | 3,729 | 77.1 | 3.75 | 289.0 | 4,018 | 102.85 |
| 14 | Total | 250.267 | 22,543 | | | 1,690 | 24,233 | 96.83 |
| | | | | | | | | |

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE 2008 ENERGY SERVICE RATE CALCULATION Fossil / Hydro O&M, Depreciation & Taxes Detail (Dollars in 000's)

| 1 | |
|---|--|
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| | |

| • | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------|-----------|--------|--------|--------|-------|----------|--------|----|------------------|----|------------------|----|------------------|----|------------------|----|-----------|------|----------|----------|----------|----|----------|----|---------|--|
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | January | | bruary | March | | | April | | May | | June | | July | | August | | September | | October | November | | D | ecember | | | |
| 10 | | 2008 2008 | | 2008 | 2008 | | 2008 | 2008 | | 2008 Estimate | | 2008 Estimate | | 2008 Estimate | | 2008 Estimate | | 2008 | 2008 | | 2007 | | | Total | | | |
| 11 Fossil / Hydro O&M, Depr. & Taxes | Actual | | Actual | | Actual | | Estimate | | Е | | | | | | | | | Estimate | | Estimate | | Estimate | | Estimate | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 F/H Operation & Maintenance Cost | \$ | 6,444 | \$ | 6,527 | \$ | 7,388 | \$ | 16,175 | \$ | 10,841 | \$ | 7,064 | \$ | 7,850 | \$ | 7,220 | \$ | 11,213 | \$ | 11,675 | \$ | 6,642 | \$ | 7,043 | \$ | 106,082 | |
| 14 F/H Depreciation Cost | | 1,648 | | 1,657 | | 1,658 | | 1,770 | | 1,785 | | 1,786 | | 1,815 | | 1,828 | | 1,840 | | 1,846 | | 1,850 | | 1,855 | | 21,338 | |
| 15 F/H Property Taxes | | 612 | | 617 | | 663 | | 668 | | 668 | | 668 | | 668 | | 668 | | 668 | | 668 | | 668 | | 668 | | 7,904 | |
| 16 F/H Payroll Taxes | | 240 | | 141 | | 91 | | 105 | | 92 | | 102 | | 190 | | 120 | | 102 | | 104 | | 92 | | 109 | | 1,489 | |
| 17 Amort. of Asset Retirement Obligation | | - | | - | | 104 | | | | - | | 123 | | | | | | 125 | | - | | - | | 127 | | 479 | |
| 18 2008 SO2 Auction Proceeds | | - | | | | | | | | | | (300) | | | | | | | | | | | | - | | (300) | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 Total F/H O&M, Depr. and Taxes | \$ | 8,945 | \$ | 8,942 | \$ | 9,904 | \$ | 18,718 | \$ | 13,386 | \$ | 9,443 | \$ | 10,523 | \$ | 9,836 | \$ | 13,948 | \$ | 14,293 | \$ | 9,252 | \$ | 9,802 | \$ | 136,992 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE 2008 ENERGY SERVICE RATE CALCULATION FOSSIL/HYDRO RETURN ON RATE BASE (Dollars in 000's)

| 6 | | | | | | | | | | | | | | | |
|----|---|---------|-------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|----------|----------|-----------|
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | January | , , | February | March | lingA | May | June | July | August | September | October | November | December | |
| 10 | | 2008 | | 2008 | 2008 | 2008 | 2008 | 2008 | 2008 | 2008 | 2008 | 2008 | 2008 | 2007 | Total |
| 11 | Return on Rate Base | Actual | | Actual | Actual | Estimate | Estimate | Estimate | Estimate | Estimate | Estimate | Estimate | Estimate | Estimate | |
| 12 | | | | | | | | | _ | | | | | | |
| 13 | | | | | | | | | | | | | | | |
| 14 | Rate base | | | | | | | | | | | | | | |
| 15 | Net Plant | 238,14 | 48 | 238,148 | 238,148 | 246,445 | 253,844 | 266,994 | 266,747 | 273,591 | 272,548 | 274,528 | 275,114 | 274,802 | |
| 16 | | | | | | | | | | | | | | | |
| 17 | Working Capital Allow. (45 days of O&M) | 14,0 | 14 | 14,014 | 14,014 | 13,079 | 13,079 | 13,079 | 13,079 | 13,079 | 13,079 | 13,079 | 13,079 | 13,079 | |
| 18 | Fossil Fuel Inventory | 43,0 | 37 | 43,067 | 43,067 | 54,270 | 54,270 | 54,270 | 54,270 | 54,270 | 54,270 | 54,270 | 54,270 | 54,270 | |
| 19 | Mat'ls and Supplies | 42,42 | 26 | 42,426 | 42,426 | 40,210 | 40,358 | 40,267 | 40,031 | 39,758 | 39,449 | 38,875 | 39,109 | 42,986 | |
| 20 | Prepaid Property Taxes | 2,00 | 88 | 2,068 | 2,068 | 2,028 | 2,028 | 2,028 | 2,028 | 2,028 | 2,028 | 2,028 | 2,028 | 2,028 | |
| 21 | Deferred Taxes | (14,09 | 97) | (14.097) | (14,097) | (3,952) | (3,689) | (4.858) | (4,821) | (4,819) | (4,070) | (3,726) | (5,689) | (6,767) | |
| 22 | Other Regulatory Obligations | (1,85 | 56) | (1,856) | (1.697) | (1,697) | (1,697) | (1,697) | (1.697) | (1,697) | (1,697) | (1,697) | (1,697) | (1,697) | |
| 23 | Total Rate Base (L15 thru L22) | 323,77 | 70 | 323,770 | 323,929 | 350,382 | 358,192 | 370,082 | 369,636 | 376,210 | 375,606 | 377,357 | 376,214 | 378,701 | |
| 24 | | | | | | | | | | | | | | | |
| 25 | Average Rate Base (prev + curr month) | 322,26 | 88 | 323,770 | 323,849 | 337,156 | 354.287 | 364,137 | 369,859 | 372,923 | 375,908 | 376,482 | 376,785 | 377,457 | |
| 26 | x Return | 0.9276 | 6% | 0.9276% | 0.9276% | 0.9276% | 0.9276% | 0.9276% | 0.9276% | 0.9276% | 0.9276% | 0.9276% | 0.9276% | 0.9276% | |
| 27 | Return (L25 x L26) | \$ 2,99 | 90 \$ | 3,003 | \$ 2,978 | \$ 3,128 | \$ 3,287 | \$ 3,378 | \$ 3,431 | \$ 3,459 | \$ 3,487 | \$ 3,492 | \$ 3,495 | \$ 3,501 | \$ 39,630 |
| | | | | | | | | | | | | | | | |