

| | Impact from Synapse NH Cost-Effectiveness Review | Reference | Granite State Test | Total Resource Cost Test | Total Portfolio | B1 - Home Energy Assistance | A1 - Energy Star Homes | A2 - Home Performance with Energy Star | A3 - Energy Star Products | A4 - Home Energy Reports | C1 - Large Business Energy Solutions | C2 - Small Business Energy Solutions | C6c - C&I Education |
|---------------------------------|--|--|--------------------|--------------------------|-----------------|-----------------------------|------------------------|--|---------------------------|--------------------------|--------------------------------------|--------------------------------------|---------------------|
| 24 | Participant costs | 1. Att E1 Cost Eff tab | | ✓ | \$ 5,884,139 | \$ - | \$ 471,445 | \$ 304,989 | \$ 874,686 | \$ - | \$ 2,526,844 | \$ 1,706,174 | \$ - |
| 25 | Participant non-energy benefits | 2. Att E1 Ben tab | | ✓ | \$ 2,459,077 | \$ - | \$ 169,679 | \$ 545,694 | \$ 339,485 | \$ 30,627 | \$ 900,215 | \$ 473,377 | \$ - |
| 26 | Environmental, NH fossil fuel proxy | 2. Att E1 Ben tab | ✓ | ✓ | \$ 2,648,424 | \$ 152,645 | \$ 192,296 | \$ 571,870 | \$ 292,600 | \$ 15,495 | \$ 894,384 | \$ 529,134 | \$ - |
| Granite State Test | | | | | | | | | | | | | |
| 27 | Costs | Utility System Costs (lines 1-4); Income eligible (participant costs) (line 22) | ✓ | | \$ 7,918,253 | \$ 1,649,014 | \$ 561,010 | \$ 1,279,870 | \$ 835,696 | \$ 218,276 | \$ 1,803,524 | \$ 1,548,647 | \$ 22,215 |
| 28 | Benefits | Utility System Benefits (lines 6-19); Non-Utility System Impacts (excluding Participant costs and Participant non-energy benefits) (lines 20-21, 23, 26) | ✓ | | \$ 21,122,592 | \$ 1,529,839 | \$ 1,323,491 | \$ 4,212,739 | \$ 2,555,830 | \$ 219,676 | \$ 6,895,816 | \$ 4,385,201 | \$ - |
| 29 | BC Ratio | Line 28 / Line 27 | ✓ | | 2.67 | 0.93 | 2.36 | 3.29 | 3.06 | 1.01 | 3.82 | 2.83 | - |
| Total Resource Cost Test | | | | | | | | | | | | | |
| 30 | Costs | Utility System Costs (lines 1-4); Income eligible (participant costs) (line 22); Participant Costs (line 24) | | ✓ | \$ 13,802,391 | \$ 1,649,014 | \$ 1,032,455 | \$ 1,584,859 | \$ 1,710,382 | \$ 218,276 | \$ 4,330,369 | \$ 3,254,821 | \$ 22,215 |
| 31 | Benefits | Utility System Benefits (lines 6-11, 13-15, 17, 19 ²); Non-Utility System Impacts (lines 20-21, 23, 25-26) | | ✓ | \$ 23,581,669 | \$ 1,529,839 | \$ 1,493,170 | \$ 4,758,433 | \$ 2,895,314 | \$ 250,303 | \$ 7,796,030 | \$ 4,858,578 | \$ - |
| 32 | BC Ratio | Line 31 / Line 30 | | ✓ | 1.71 | 0.93 | 1.45 | 3.00 | 1.69 | 1.15 | 1.80 | 1.49 | - |

1. Program Performance Incentives estimated based on share of total budget

2. Reliability was included in the Synapse recommendation for the Granite State Test components, but is not included per stakeholder concerns

3. The NH Utilities apply free-ridership and spillover to gross savings to account for market transformation, and while these factors were not applied in the pre-2021 total resource cost test, they will be going forward to comply with the NH TRM

| Utility Discount Rates - 2021 | | | | | | | |
|-------------------------------|---|----------------------------|-------------|----------------|---|---|-----------------------------------|
| # | Category | Value | | | Details | | |
| 1 | Employee Benefit Plans – Pension, SERP, non-SERP, PBOP, etc. | | | | | | |
| | Pension | 2.93% | | | The discount rate was chosen by the plan sponsor using the Ryan ALM Above Median Yield Curve, under which the plan's projected benefit payments are matched against a series of spot rates derived from a market basket of high quality fixed income securities. | | |
| | OPEB | 2.94% | | | The discount rate was chosen by the plan sponsor using the Ryan ALM Above Median Yield Curve, under which the plan's projected benefit payments are matched against a series of spot rates derived from a market basket of high quality fixed income securities. | | |
| 2 | Leases | 3.17% | | | The rate is different for each lease since we use the discount rate associated with the specific lease term. The rate shown is for a 3-year lease term. Lease discount rates are based on BBB Utility Curve, which is the current credit quality of Liberty Utilities. Generally Accepted Accounting Principles (GAAP) on lease account provides the following guidance - "the discount rate used should reflect a borrowing cost over a term equivalent to the lease term. In many cases, this may take the form of selecting or developing a rate curve based upon the credit quality of the entity". | | |
| 3 | AFUDC - Effective annual rates with semi-annual compounding | | | | | | |
| | Debt | 2.16% | | | Docket # DG 20-105, Order #26,505 | | |
| | Equity | 4.92% | | | Docket # DG 20-105, Order #26,505 | | |
| 4 | ROE/WACC | | | | | | |
| | WACC EN | Rate of Return Calculation | Portion | After-Tax Cost | Weighted Rate | Pre-Tax WACC | Docket # DG 20-105, Order #26,505 |
| | | Equity | 52.0% | 9.30% | 4.84% | 6.64% | |
| | | Debt | 48.0% | 4.42% | 2.12% | 2.12% | |
| | | | 100.0% | | 6.96% | 9.36% | |
| | WACC GSE | Rate of Return Calculation | Portion | After-Tax Cost | Weighted Rate | Pre-Tax WACC | Docket # DE 19-064, Order #26,376 |
| | | Equity | 52.0% | 9.10% | 4.737% | 6.49% | |
| | | Debt | 48.0% | 5.97% | 2.87% | 2.87% | |
| | | | 100.0% | | 7.60% | 9.36% | |
| 5 | Carried interest charge | | | | | | |
| | | | | | | See response to #6. | |
| | | | | | | The Energy Efficiency real discount rate is calculated in accordance with the methodology outlined in the Avoided Energy Supply Components 2021 study (AESC 2021). The calculation is Real Discount Rate = [(1 + Nominal Discount Rate)/(1 + Inflation Rate)] – 1. AESC 2021 uses a Real Discount Rate of 0.81% based on default calculated values of 2.82% for the Nominal Discount Rate and 2.00% for the Inflation Rate. AESC 2021 also provides tools for users to insert their own input assumptions for these rates to calculate avoided costs. Following precedent established in previously approved filings, the Utilities use Nominal Discount Rates and Inflation Rates that are updated for the year in which measures will be installed, and were updated as of June 2021 for program years 2022 and 2023. The effect of using these rates resulted in a Real Discount Rate of 1.19%, a lower risk rate than the AESC 2021 default of 0.81%. | |
| | | | | | | These are very low risk investments that are customer owned and operated and due to the nature of the investments, and confirmed by routine study of baselines and savings, are very reliable in terms of producing the expected reduction. | |
| 6 | EE Discount Rate | 2021 | 2022 | 2023 | | | |
| | Nominal Discount Rate | 3.25% | 3.25% | 3.25% | Updated October 18, 2021. Based on the June 2021 Prime Rate in accordance with the Final Energy Efficiency Group Report, dated July 6, 1999 in DR 96-150. Retrieved from http://www.moneycafe.com/personal-finance/prime-rate/ | | |
| | Inflation | 1.81% | 2.03% | 2.03% | Updated October 18, 2021. Based on the inflation rate from Q1 2020 to Q1 2021. Retrieved from https://fred.stlouisfed.org/data/GDPDEF.txt | | |
| | Real Discount Rate | 1.41% | 1.19% | 1.19% | Calculated: Real Discount Rate = [(1 + Nominal Discount Rate)/(1 + Inflation Rate)] – 1 | | |

| Plan & Actual Energy Savings - 2021 | | | | | | | | | | | | |
|--|--------------------|--------------|------------------------|--------------|-------------------------|---------|---------------------------|---------|------------------|-----------|--------------------|-------------|
| Program / Sector | Program Costs (\$) | | Rebate / Services (\$) | | Net Annual Energy (MWh) | | Net Lifetime Energy (MWh) | | Net Annual MMBtu | | Net Lifetime MMBtu | |
| | Actual | Planned | Actual | Planned | Actual | Planned | Actual | Planned | Actual | Planned | Actual | Planned |
| A - Residential | \$ 2,894,852 | \$ 3,156,011 | \$ 2,611,901 | \$ 2,564,259 | 112.5 | 178.2 | 1,324.7 | 1,114.3 | 59,265.4 | 53,745.1 | 814,431.7 | 810,316.7 |
| A1 - Energy Star Homes | \$ 561,010 | \$ 874,689 | \$ 474,678 | \$ 710,685 | - | - | - | - | 5,330.6 | 12,724.4 | 132,521.3 | 318,110.5 |
| A2 - Home Performance with Energy Star | \$ 1,279,870 | \$ 1,029,960 | \$ 1,187,733 | \$ 836,842 | 83.5 | 159.3 | 834.1 | 796.4 | 17,784.2 | 13,010.3 | 407,503.5 | 234,603.7 |
| A3 - Energy Star Products | \$ 835,696 | \$ 964,367 | \$ 752,615 | \$ 783,548 | 29.0 | 18.9 | 490.5 | 318.0 | 15,489.8 | 14,841.3 | 253,746.2 | 244,433.4 |
| A4 - Home Energy Reports | \$ 218,276 | \$ 286,995 | \$ 196,874 | \$ 233,183 | - | - | - | - | 20,660.7 | 13,169.1 | 20,660.7 | 13,169.1 |
| B - Low-Income | \$ 1,649,014 | \$ 1,482,845 | \$ 1,479,298 | \$ 1,204,812 | 120.9 | - | 2,824.2 | - | 5,895.7 | 6,381.0 | 115,358.4 | 127,362.7 |
| B1 - Home Energy Assistance | \$ 1,649,014 | \$ 1,482,845 | \$ 1,479,298 | \$ 1,204,812 | 120.9 | - | 2,824.2 | - | 5,895.7 | 6,381.0 | 115,358.4 | 127,362.7 |
| C - Commercial & Industrial | \$ 3,374,386 | \$ 4,083,759 | \$ 2,892,397 | \$ 3,318,054 | (37.8) | 2.5 | (753.3) | 45.4 | 76,181.2 | 86,059.9 | 1,193,516.5 | 1,179,120.4 |
| C1 - Large Business Energy Solutions | \$ 1,803,524 | \$ 2,190,676 | \$ 1,549,622 | \$ 1,779,924 | (27.6) | - | (552.6) | - | 51,816.5 | 61,934.9 | 769,234.8 | 774,804.3 |
| C2 - Small Business Energy Solutions | \$ 1,548,647 | \$ 1,805,139 | \$ 1,331,792 | \$ 1,466,675 | (10.2) | 2.5 | (200.7) | 45.4 | 24,364.7 | 24,124.9 | 424,281.8 | 404,316.1 |
| C6c - C&I Education | \$ 22,215 | \$ 87,944 | \$ 10,982 | \$ 71,455 | - | - | - | - | - | - | - | - |
| Grand Total | \$ 7,918,253 | \$ 8,722,615 | \$ 6,983,596 | \$ 7,087,125 | 195.7 | 180.7 | 3,395.6 | 1,159.7 | 141,342.2 | 146,185.9 | 2,123,306.6 | 2,116,799.8 |

| Portfolio Planned Versus Actual Performance - 2021 | | | | | | | | | | | | |
|--|---------------|--------------|---------------|-----------|--------------------|--------------------|------------|------------|------------|--------------------------------------|----------------------|--|
| Portfolio | Goal | Threshold | Actual | % of Plan | Design Coefficient | Actual Coefficient | 125% of | | | Actual Coefficient w/ 100% Threshold | PI w/ 100% Threshold | Source |
| | | | | | | | Planned PI | Planned PI | Actual PI | | | |
| 1 Lifetime MMBtu Savings | 2,116,800 | 1,587,600 | 2,123,276 | 100% | 2.475% | 2.483% | \$ 215,885 | \$ 269,856 | \$ 196,576 | 2.483% | \$ 196,576 | Program Cost Effectiveness (Page 1 of 3) |
| 2 Annual MMBtu Savings | 146,186 | 109,640 | 141,311 | 97% | 1.100% | 1.063% | \$ 95,949 | \$ 119,936 | \$ 84,196 | 0.000% | \$ - | Program Cost Effectiveness (Page 1 of 3) |
| 3 Total Resource Benefits | \$ 17,964,374 | | 18,474,168 | 103% | | | | | | | | Present Value Benefits (Page 2 of 3) |
| 4 Total Utility Costs ¹ | \$ 8,722,615 | | 7,918,253 | 91% | | | | | | | | Program Cost Effectiveness (Page 1 of 3) |
| 5 Net Benefits | \$ 9,241,759 | \$ 6,931,319 | \$ 10,555,915 | 114% | 1.925% | 2.199% | \$ 167,910 | \$ 209,888 | \$ 174,101 | 2.199% | \$ 174,101 | Line 5 minus line 6 |
| 6 Total | | | | | 5.500% | 5.745% | \$ 479,744 | \$ 599,680 | \$ 454,874 | 4.681% | \$ 370,677 | Sum of Rows 1, 2 & 5 |

| | Granite State Test | | Source |
|-------------------------|--------------------|---------------|--------------------------------------|
| | Goal | Actual | |
| 7 Total Benefits | \$ 21,846,243 | \$ 21,122,592 | Present Value Benefits (Page 2 of 3) |
| 8 Performance Incentive | \$ 479,744 | \$ 454,874 | Row 6 |
| 9 Total Utility Costs | \$ 8,722,615 | \$ 7,918,253 | Row 4 |
| 10 Portfolio GST BCR | 2.37 | 2.52 | Row 7 Divided by Rows 8+9 |

Costs, Benefits, and PI Expressed in 2021 Dollars.

¹ Note that in order to avoid a circular reference in the calculation of performance incentive, "Total Utility Costs" does not include the value of PI.

| Contractor/Consultant Expenses by State & Country - 2021 | | | |
|---|-------------------------|-----------------------|--------------------------------|
| Country | State / Province | Total Expenses | Customer Rebate Portion |
| US | AZ | \$ 1,484 | \$ - |
| US | CA | \$ 442,280 | \$ 91,946 |
| US | CO | \$ 29,360 | \$ - |
| US | CT | \$ 14,403 | \$ - |
| US | IL | \$ 10,440 | \$ - |
| US | MA | \$ 1,442,371 | \$ 1,324,195 |
| US | NH | \$ 3,311,789 | \$ 2,769,199 |
| US | NJ | \$ 644 | \$ - |
| US | NY | \$ 38,819 | \$ - |
| US | OH | \$ 38,490 | \$ - |
| US | RI | \$ 393,714 | \$ 118,486 |
| US | TX | \$ 129,245 | \$ - |
| US | VA | \$ 16,863 | \$ - |
| CA | Ontario | \$ 2,591 | \$ - |
| Total | | \$ 5,872,492 | \$ 4,303,825 |

Notes:

Liberty (Electric) has provided the information as requested but notes that the data provided in and of itself does not accurately reflect the full impact of the programs at large. Some caveats include:

- The business address of a given contractor or vendor is not necessarily reflective of the location of the individual(s) who work with the NHSaves brand. For example, there are vendors with corporate addresses located outside of New Hampshire which have employees the Utilities contract and work with within New Hampshire.
- There are contractors who the Utilities work with who hire subcontractors from other entities to obtain materials and supplies or install and fulfill projects for customers.
- Contractor and vendor payments are not reflective of the full economic impact of the projects performed.
- Additional Federal dollars were invested into the income-eligible projects completed.

| Contractor/Consultants by State & Country - 2021 | | | | | |
|--|-----------------------------------|-------------|---------|----------|---------|
| Vendor | Street | City | State | Zip Code | Country |
| AMERICAN PLANT MAINTENANCE, LLC | 10-B Commerce Way | Woburn | MA | 01801 | US |
| ANB SYSTEMS INC | 4771 Sweetwater Blvd., Ste. 151 | Sugarland | TX | 77479 | US |
| APEX ANALYTICS LLC | 1717 Blubell Avenue | Boulder | CO | 80302 | US |
| ASSOCIATION OF ENERGY SERVICES PROFESSIONALS | 15215 S. 48th Street, Ste. 170 | Phoenix | AZ | 85044 | US |
| AW ROSE CONSTRUCTION LLC | 1662 Elm Street, Suite 100 | Manchester | NH | 03101 | US |
| BELKNAP MERRIMAC CAP AGENCY | 2 Industrial Park Drive | Concord | NH | 03301 | US |
| BENCHMARK GRAPHICS | 175 E Bare Hill Road | Harvard | MA | 01451 | US |
| BEOTE CONSTRUCTION LLC | 134 Turkey Hill Road | Merrimack | NH | 03054 | US |
| CLEARRESULT CONSULTING INC. | 50 Washington Street | Westborough | MA | 01581 | US |
| COHEN VENTURES INC. DBA ENERGY SOLUTIONS | 449 15th St #400 | Oakland | CA | 94612 | US |
| COMCAST CABLE COM MGMT LLC DBA EFFECTV | PO Box 415949 | Boston | MA | 02241 | US |
| COMMUNITY DEVELOPMENT FINANCE AUTHORITY | 14 Dixon Avenue, Ste. 102 | Concord | NH | 03301 | US |
| DMI - DEMAND MANAGEMENT INSTITUTE | 300 Chestnut Street, Suite 150 | Needham | MA | 02492 | US |
| DODGE DATA AND ANALYTICS LLC | 300 American Metro Blvd #185 | Hamilton | NJ | 08619 | US |
| E SOURCE COMPANIES LLC | 1745 38th Street | Boulder | CO | 80301 | US |
| EISENBERG, VITAL, & RYZE LLC | 155 Dow Street, Suite 300 | Manchester | NH | 03031 | US |
| ENERGY CODE ADVISORS, LLC | 24 Joppa Hill Road | Bedford | NH | 03110 | US |
| ENERGY FEDERATION INC | 40 Washington Street, Ste 2000 | Westborough | MA | 01752 | US |
| ENERGYX SOLUTIONS INC | 212 King St. W, Ste. 600 | Toronto | Ontario | 60021 | CA |
| EVERSOURCE | 780 N Commercial Street | Manchester | NH | 03101 | US |
| GDS ASSOCIATES | 1155 Elm Street, Suite 702 | Manchester | NH | 03101 | US |
| HORIZON-RESIDENTIAL ENERGY SERVICES NH, LLC | 75 South Main Street | Concord | NH | 03301 | US |
| ICF RESOURCES LLC | 9300 Lee Hwy Service Rd | Fairfax | VA | 22031 | US |
| JESSICA L. FORREST | 18 Kensington Road | Concord | NH | 03301 | US |
| KEMA INC. | 5202 Payshere Circle | Chicago | IL | 60674 | US |
| LAKES REGION COMMUNITY COLLEGE | 379 Belmont Road | Laconia | NH | 03246 | US |
| MANCHESTER RADIO GROUP WZID | 500 Commercial Street | Manchester | NH | 03101 | US |
| NEW HAMPSHIRE BUSINESSES FOR SOCIAL RESPONSIBILITY (NHBSR) | 24 Crown Hill Road | Atkinson | NH | 03811 | US |
| NEW HAMPSHIRE MANUFACTURING EXTENSION PARTNERSHIP (NHMEP) | 172 Pembroke Road | Concord | NH | 03301 | US |
| NEW HAMPSHIRE PUBLIC RADIO | PO Box 9645 - Dept UW | Manchester | NH | 03108 | US |
| NEW HAMPSHIRE SUSTAINABLE ENERGY ASSOCIATION DBA CLEAN ENERGY NH | 14 Dixon Avenue, Ste 202 | Concord | NH | 03301 | US |
| NEWELL AND CRATHERN LLC | 34 Staniels Road | Loudon | NH | 03307 | US |
| NH CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS (AIANH) | 310 Marlboro Street, #2 | Keene | NH | 03431 | US |
| NH DEPARTMENT OF ENERGY | 21 South Fruit Street, Ste. 10 | Concord | NH | 03301 | US |
| NH SCHOOL ADMINISTRATORS ASSOCIATION | 46 Donovan St, Bow Brook Pl Ste 3 | Concord | NH | 03301 | US |
| NMR GROUP INC | 50-2 Howard Street | Somerville | MA | 02144 | US |
| ORACLE AMERICA INC. | 500 Oracle Pkwy | Redwood | CA | 94065 | US |
| PERFORMANCE SYSTEMS DEVELOPMENT | 124 Brindley Street | Ithaca | NY | 14850 | US |
| PLYMOUTH AREA RENEWABLE ENERGY INITIATIVE | 79 Highland Street | Plymouth | NH | 03264 | US |
| PRISM ENERGY SERVICES | 1150 Hancock St #400 | Quincy | MA | 02169 | US |
| QUESTLINE, INC. | 2025 Riverside Drive | Columbus | OH | 43221 | US |
| RESILIENT BUILDINGS GROUP, INC. | 46 S Main Street, Suite 7 | Concord | NH | 03301 | US |
| RISE ENGINEERING | 1341 Elmwood Avenue | Cranston | RI | 02910 | US |
| RIVER ENERGY ASSOCIATES | 271 Albany Street | Fall River | MA | 02720 | US |
| ROB WERNER | 82 Hooksett Turnpike | Concord | NH | 03301 | US |
| SOUTHERN NEW HAMPSHIRE SERVICE INC | 40 Pine Street | Manchester | NH | 03103 | US |
| SPECTRUM MARKETING COMPANIES | 95 Eddy Road, Ste. 101 | Manchester | NH | 03102 | US |
| SYNAPSE ENERGY ECONOMICS, INC | 485 Massachusetts Avenue | Cambridge | MA | 02139 | US |
| TRC ENVIRONMENTAL CORPORATION | 21 Griffin Road North | Windsor | CT | 06095 | US |
| TURN CYCLE SOLUTIONS | 36 E Otterson Street | Nashua | NH | 03061 | US |

| Projects by Municipality - 2021 | | | | |
|--|--------------------------------------|-------------------------------------|--------------------|--------------------------|
| City / Town | Number of Ratepayers per City / Town | Number of Participants ¹ | Spend (\$) | Spend (\$) per Ratepayer |
| ALLENSTOWN | 401 | 114 | \$7,643 | \$19.06 |
| AMHERST | 654 | 174 | \$8,809 | \$13.47 |
| AUBURN | 37 | 1 | \$8 | \$0.22 |
| BEDFORD | 2,239 | 422 | \$53,518 | \$23.90 |
| BELMONT | 90 | 8 | \$1,228 | \$13.65 |
| BERLIN | 15 | 0 | \$0 | \$0.00 |
| BOSCAWEN | 339 | 80 | \$1,520 | \$4.48 |
| BOW | 836 | 326 | \$40,795 | \$48.80 |
| CANTERBURY | 40 | 11 | \$88 | \$2.21 |
| CONCORD | 11,592 | 3730 | \$698,584 | \$60.26 |
| DERRY | 631 | 109 | \$132,471 | \$209.94 |
| FRANKLIN | 1,128 | 311 | \$75,624 | \$67.04 |
| GILFORD | 122 | 2 | \$8 | \$0.07 |
| GOFFSTOWN | 759 | 639 | \$23,276 | \$30.67 |
| HOLLIS | 30 | 16 | \$313 | \$10.42 |
| HOOKSETT | 2,647 | 812 | \$69,687 | \$26.33 |
| HUDSON | 5,584 | 2141 | \$161,457 | \$28.91 |
| KEENE | 1,220 | 26 | \$118,940 | \$97.49 |
| LACONIA | 2,368 | 666 | \$114,249 | \$48.25 |
| LITCHFIELD | 214 | 61 | \$22,879 | \$106.91 |
| LONDONDERRY | 2,051 | 491 | \$237,578 | \$115.84 |
| LOUDON | 190 | 56 | \$1,952 | \$10.27 |
| MANCHESTER | 28,321 | 7183 | \$1,357,085 | \$47.92 |
| MERRIMACK | 4,523 | 1942 | \$1,020,351 | \$225.59 |
| MILFORD | 1,249 | 399 | \$87,734 | \$70.24 |
| N/A ² | - | 3 | \$300 | \$0.00 |
| NASHUA | 29,122 | 11378 | \$1,184,291 | \$40.67 |
| NORTHFIELD | 270 | 68 | \$7,454 | \$27.61 |
| PELHAM | 50 | 2 | \$200 | \$4.00 |
| PEMBROKE | 1,122 | 257 | \$101,911 | \$90.83 |
| SANBORNTON | 50 | 4 | \$32 | \$0.64 |
| TILTON | 790 | 158 | \$26,897 | \$34.05 |
| WINNESQUAM | 9 | 2 | \$16 | \$1.79 |
| Grand Total | 98,693 | 31,592 | \$5,556,900 | \$56.30 |

¹Participant counts include Home Energy Report recipients

²Participant count reflects non-identifiable thermostats

| Projects by Subsidy Level - 2021 | | | |
|---|---------------------------------------|---------------------------|------------------------|
| Subsidy (%) | Number of Projects¹ | Total Project Cost | Total Incentive |
| 100% | 25,682 | \$ 1,891,629 | \$ 1,891,629 |
| 80% - 99% | 742 | \$ 524,338 | \$ 456,920 |
| 60% - 79% | 993 | \$ 1,792,794 | \$ 1,288,371 |
| 40% - 59% | 1,023 | \$ 2,220,157 | \$ 1,079,097 |
| 20% - 39% | 1,959 | \$ 1,567,110 | \$ 480,552 |
| 1% - 19% | 1,196 | \$ 3,593,968 | \$ 351,457 |
| Total | 31,595 | \$ 11,589,996 | \$ 5,548,025 |

¹Number of projects include Home Energy Report recipients

| NPV of EE Measures/Services Provided at No Cost | | | | | |
|---|-----------|--------------------|--------------------|--------------------|---|
| Program | Subsidy % | Total Participants | Total Project Cost | Total Incentive | Analysis for 100% Incentive |
| 2021 Home Energy Assistance - Gas | 100% | 271 | \$1,389,893 | \$1,389,893 | HEA projects are done at no cost to the customer. |
| 2021 Home Performance with Energy Star - Gas | 100% | 186 | \$125,118 | \$125,118 | The projects at 100% subsidy are 'baseload' or Visual Audit projects where non-weatherization measure such as LED light bulbs, Wi-Fi thermostats, faucet aerators, and low-flow showerheads are directly installed at no cost to the customer. |
| 2021 Home Energy Reports - Gas | 100% | 24,483 | \$196,874 | \$196,874 | Customers receive personalized, energy analysis reports at no cost |
| 2021 Large Commercial - Gas | 100% | 327 | \$36,480 | \$36,480 | The projects at 100% subsidy are Steam Trap repairs and Pipe Insulation installed at no cost to the customer as part of a promotion. |
| 2021 Small Commercial - Gas | 100% | 415 | \$143,264 | \$143,264 | The projects at 100% subsidy include Direct Installed (DI) measures such as low flow faucet aerators and showerheads, programmable thermostats, and kitchen spray valves. In a few cases, commercially metered low income multi-family buildings were provided with replacement on failure heating systems. |
| Grand Total | | 25,682 | \$1,891,629 | \$1,891,629 | |

| Plan or Actual | Year | Utility | Sector | Program | Evaluation | Internal Administration | Internal Implementation | Marketing | Rebates-Services | External Administration | Performance Incentive | Total |
|----------------|------|---------------|-----------------------------|--|------------------|-------------------------|-------------------------|------------------|------------------|-------------------------|-----------------------|--------------------|
| Actual | 2020 | Liberty - Gas | C - Commercial & Industrial | C1 - Large Business Energy Solutions | \$72,647 | \$7,919 | \$8,001 | \$130,106 | \$74,907 | \$1,326,076 | \$0 | \$1,619,656 |
| Actual | 2020 | Liberty - Gas | C - Commercial & Industrial | C2 - Small Business Energy Solutions | \$56,281 | \$5,113 | \$8,818 | \$111,690 | \$62,019 | \$1,844,251 | \$0 | \$2,088,171 |
| Actual | 2020 | Liberty - Gas | C - Commercial & Industrial | C6c - C&I Education | \$3,216 | \$318 | \$1,604 | \$6,959 | \$2,647 | \$11,299 | \$0 | \$26,042 |
| Actual | 2020 | Liberty - Gas | D - Portfolio | Performance Incentive - Portfolio | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$440,944 | \$440,944 |
| Actual | 2020 | Liberty - Gas | Total Portfolio | | \$296,929 | \$30,029 | \$50,898 | \$480,688 | \$279,154 | \$7,376,817 | \$440,944 | \$8,955,459 |
| Plan | 2020 | Liberty - Gas | B - Low-Income | B1 - Home Energy Assistance | \$83,822 | \$3,353 | \$50,293 | \$117,351 | \$83,822 | \$1,337,800 | \$0 | \$1,676,441 |
| Plan | 2020 | Liberty - Gas | A - Residential | A1 - Energy Star Homes | \$43,734 | \$1,749 | \$23,004 | \$43,734 | \$26,241 | \$736,226 | \$0 | \$874,689 |
| Plan | 2020 | Liberty - Gas | A - Residential | A2 - Home Performance with Energy Star | \$46,658 | \$1,866 | \$25,475 | \$46,658 | \$46,658 | \$765,846 | \$0 | \$933,162 |
| Plan | 2020 | Liberty - Gas | A - Residential | A3 - Energy Star Products | \$43,378 | \$1,735 | \$24,379 | \$43,378 | \$26,027 | \$728,671 | \$0 | \$867,569 |
| Plan | 2020 | Liberty - Gas | A - Residential | A4 - Residential Behavior | \$14,350 | \$0 | \$4,305 | \$5,740 | \$0 | \$262,600 | \$0 | \$286,995 |
| Plan | 2020 | Liberty - Gas | C - Commercial & Industrial | C1 - Large Business Energy Solutions | \$109,534 | \$4,381 | \$54,767 | \$109,534 | \$65,720 | \$1,846,740 | \$0 | \$2,190,676 |
| Plan | 2020 | Liberty - Gas | C - Commercial & Industrial | C2 - Small Business Energy Solutions | \$90,257 | \$3,610 | \$45,128 | \$90,257 | \$54,154 | \$1,521,732 | \$0 | \$1,805,139 |
| Plan | 2020 | Liberty - Gas | C - Commercial & Industrial | C6c - C&I Education | \$4,397 | \$176 | \$2,638 | \$6,156 | \$2,638 | \$71,938 | \$0 | \$87,944 |
| Plan | 2020 | Liberty - Gas | D - Portfolio | Performance Incentive - Portfolio | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$479,744 | \$479,744 |
| Plan | 2020 | Liberty - Gas | Total Portfolio | | \$436,131 | \$16,871 | \$229,990 | \$462,809 | \$305,261 | \$7,271,553 | \$479,744 | \$9,202,359 |
| Actual | 2021 | Liberty - Gas | B - Low-Income | B1 - Home Energy Assistance | \$33,889 | \$845 | \$12,247 | \$98,872 | \$23,862 | \$1,479,298 | \$0 | \$1,649,014 |
| Actual | 2021 | Liberty - Gas | A - Residential | A1 - Energy Star Homes | \$17,682 | \$441 | \$12,271 | \$43,421 | \$12,517 | \$474,678 | \$0 | \$561,010 |
| Actual | 2021 | Liberty - Gas | A - Residential | A2 - Home Performance with Energy Star | \$18,864 | \$471 | \$7,357 | \$46,143 | \$19,302 | \$1,187,733 | \$0 | \$1,279,870 |
| Actual | 2021 | Liberty - Gas | A - Residential | A3 - Energy Star Products | \$17,538 | \$438 | \$11,525 | \$41,166 | \$12,415 | \$752,615 | \$0 | \$835,696 |
| Actual | 2021 | Liberty - Gas | A - Residential | A4 - Residential Behavior | \$5,330 | \$103 | \$1,990 | \$13,979 | \$0 | \$196,874 | \$0 | \$218,276 |
| Actual | 2021 | Liberty - Gas | C - Commercial & Industrial | C1 - Large Business Energy Solutions | \$44,964 | \$1,105 | \$14,139 | \$130,607 | \$63,087 | \$1,549,622 | \$0 | \$1,803,524 |
| Actual | 2021 | Liberty - Gas | C - Commercial & Industrial | C2 - Small Business Energy Solutions | \$39,890 | \$732 | \$27,209 | \$92,025 | \$56,998 | \$1,331,792 | \$0 | \$1,548,647 |
| Actual | 2021 | Liberty - Gas | C - Commercial & Industrial | C6c - C&I Education | \$1,778 | \$44 | \$2,531 | \$4,497 | \$2,384 | \$10,982 | \$0 | \$22,215 |
| Actual | 2021 | Liberty - Gas | D - Portfolio | Performance Incentive - Portfolio | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$454,900 | \$454,900 |
| Actual | 2021 | Liberty - Gas | Total Portfolio | | \$179,934 | \$4,179 | \$89,269 | \$470,710 | \$190,565 | \$6,983,596 | \$454,900 | \$8,373,153 |
| Plan | 2021 | Liberty - Gas | B - Low-Income | B1 - Home Energy Assistance | \$74,142 | \$2,966 | \$40,778 | \$86,005 | \$74,142 | \$1,204,812 | \$0 | \$1,482,845 |
| Plan | 2021 | Liberty - Gas | A - Residential | A1 - Energy Star Homes | \$43,734 | \$1,749 | \$24,054 | \$50,732 | \$43,734 | \$710,685 | \$0 | \$874,689 |
| Plan | 2021 | Liberty - Gas | A - Residential | A2 - Home Performance with Energy Star | \$51,498 | \$2,060 | \$28,324 | \$59,738 | \$51,498 | \$836,842 | \$0 | \$1,029,960 |
| Plan | 2021 | Liberty - Gas | A - Residential | A3 - Energy Star Products | \$48,218 | \$1,929 | \$26,520 | \$55,933 | \$48,218 | \$783,548 | \$0 | \$964,367 |
| Plan | 2021 | Liberty - Gas | A - Residential | A4 - Residential Behavior | \$14,350 | \$574 | \$7,892 | \$16,646 | \$14,350 | \$233,183 | \$0 | \$286,995 |
| Plan | 2021 | Liberty - Gas | C - Commercial & Industrial | C1 - Large Business Energy Solutions | \$109,534 | \$4,381 | \$60,244 | \$127,059 | \$109,534 | \$1,779,924 | \$0 | \$2,190,676 |
| Plan | 2021 | Liberty - Gas | C - Commercial & Industrial | C2 - Small Business Energy Solutions | \$90,257 | \$3,610 | \$49,641 | \$104,698 | \$90,257 | \$1,466,675 | \$0 | \$1,805,139 |
| Plan | 2021 | Liberty - Gas | C - Commercial & Industrial | C6c - C&I Education | \$4,397 | \$176 | \$2,418 | \$5,101 | \$4,397 | \$71,455 | \$0 | \$87,944 |
| Plan | 2021 | Liberty - Gas | D - Portfolio | Performance Incentive - Portfolio | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$479,744 | \$479,744 |
| Plan | 2021 | Liberty - Gas | Total Portfolio | | \$436,131 | \$17,445 | \$239,872 | \$505,912 | \$436,131 | \$7,087,125 | \$479,744 | \$9,202,359 |

Note: Liberty (Gas) did not expend any program dollars on "Subsidiaries", as the Company does not have any subsidiaries.

Liberty (Gas)
NHPUC Docket No. IR 22-042
2021 Program Year Compliance Filing
Order No. 26,621, Report 6

| Program Funding by Category | | | | |
|------------------------------------|-------------|----------------------|-------------------|--------------------|
| Plan or Actual | Year | Utility | Category | Amount |
| Plan | 2016 | Liberty - Gas | LDAC | \$5,925,057 |
| Plan | 2016 | Liberty - Gas | Carryforward | \$146,503 |
| Plan | 2016 | Liberty - Gas | Total | \$6,071,560 |
| Actual | 2016 | Liberty - Gas | LDAC | \$5,466,915 |
| Actual | 2016 | Liberty - Gas | Interest | \$47,884 |
| Actual | 2016 | Liberty - Gas | Total | \$5,514,799 |
| Plan | 2017 | Liberty - Gas | LDAC | \$5,436,100 |
| Plan | 2017 | Liberty - Gas | Carryforward | \$802,875 |
| Plan | 2017 | Liberty - Gas | Total | \$6,238,975 |
| Actual | 2017 | Liberty - Gas | LDAC | \$4,858,396 |
| Actual | 2017 | Liberty - Gas | Interest | \$35,412 |
| Actual | 2017 | Liberty - Gas | Total | \$4,893,808 |
| Plan | 2018 | Liberty - Gas | LDAC | \$7,554,407 |
| Plan | 2018 | Liberty - Gas | Carryforward | \$0 |
| Plan | 2018 | Liberty - Gas | Total | \$7,554,407 |
| Actual | 2018 | Liberty - Gas | LDAC | \$6,880,078 |
| Actual | 2018 | Liberty - Gas | Interest | \$98,511 |
| Actual | 2018 | Liberty - Gas | Total | \$6,978,589 |
| Plan | 2019 | Liberty - Gas | LDAC | \$6,558,495 |
| Plan | 2019 | Liberty - Gas | Carryforward | \$1,573,333 |
| Plan | 2019 | Liberty - Gas | Allocation to OBF | \$875,000 |
| Plan | 2019 | Liberty - Gas | Total | \$9,006,828 |
| Actual | 2019 | Liberty - Gas | LDAC | \$6,634,306 |
| Actual | 2019 | Liberty - Gas | Interest | \$53,169 |
| Actual | 2019 | Liberty - Gas | Total | \$6,687,475 |
| Plan | 2020 | Liberty - Gas | LDAC | \$9,461,864 |
| Plan | 2020 | Liberty - Gas | Carryforward | (\$259,505) |
| Plan | 2020 | Liberty - Gas | Total | \$9,202,359 |
| Actual | 2020 | Liberty - Gas | LDAC | \$8,360,443 |
| Actual | 2020 | Liberty - Gas | Interest | \$6,381 |
| Actual | 2020 | Liberty - Gas | Total | \$8,366,824 |
| Plan | 2021 | Liberty - Gas | LDAC | \$9,202,359 |
| Plan | 2021 | Liberty - Gas | Carryforward | \$0 |
| Plan | 2021 | Liberty - Gas | Total | \$9,202,359 |
| Actual | 2021 | Liberty - Gas | LDAC | \$9,426,501 |
| Actual | 2021 | Liberty - Gas | Interest | \$40,771 |
| Actual | 2021 | Liberty - Gas | Total | \$9,467,272 |

| HEA Projects, By Incentive Level - 2021 | | |
|--|--------------------------------|---------------------------------|
| Rebate Range | Owner Occupied Dwelling | Renter Occupied Dwelling |
| \$0-\$9K | 7 | 210 |
| \$9K-\$12K | 6 | 4 |
| \$12K-\$15K | 5 | 0 |
| \$15K+ | 9 | 16 |

Notes

(1) The Company has not historically required internal tracking of renter vs. owner-occupied projects, and therefore cannot guarantee the accuracy of this field.

(2) It is assumed by the Utilities that 100% of the benefits from these projects flow to the occupant of the home.

| HEA Projects, Incentive Above \$15,000 - 2021 | | | | | |
|---|---------------|---------------|--------------|----------------------------|--|
| Project | Sq Ft | Dwelling Type | Owner/Renter | Heating System Replacement | Details |
| 1 | 6,300 | Multi-family | Renter | N | Air sealing, insulation, ventilation and window replacements; 15 dwelling units |
| 2 | 2,169 | Single family | Renter | Y | Comprehensive wxn, plus ventilation, safety measures and furnace replacement; Mobile home |
| 3 | 300 | Multi-family | Renter | Y | Comprehensive wxn, storage removal measures to make space, plumbing repair, ventilation, and new boiler for heat and DHW; 3 dwelling units |
| 4 | 800 | Single family | Renter | Y | Comprehensive wxn, Furnace replace, DHW tank replace, Lead safe measures |
| 5 | 1,124 | Single family | Owner | N | Comprehensive wxn, clean ,tune and repair heating, basement wall ext. wall insulation. Ventilation. |
| 6 | 1,483 | Multi-family | Renter | Y | Comprehensive wxn, ventilation, new heat distribution, substantial boiler repair, new DHW tank; 3 dwelling units |
| 7 | 1,196 | Multi-family | Renter | Y | Comprehensive wxn, plus ventilation, safety measures and furnace replacement. |
| 8 | 1,714 | Single family | Owner | Y | Comprehensive wxn, ventilation, new boiler, ventilation, lead safe work |
| 9 | 1,384 | Multi-family | Renter | Y | Comprehensive wxn, all new ductwork, furnace repair, ventilation, new boiler, ventilation, lead safe work; 12 dwelling units |
| 10 | 1,836 | Single family | Owner | N | Comprehensive wxn, attic insulation, basement wall ext. wall insulation. Ventilation. |
| 11 | 800 | Multi-family | Renter | Y | Comprehensive wxn, Furnace replace, DHW tankless replace, Lead safe measures; 4 dwelling units |
| 12 | 1,248 | Single family | Renter | N | Comprehensive wxn of this Mobile Home unit, new entry door, Furnace clean, DHW tankless replace, ventilation, |
| 13 | not available | Multi-family | Renter | Y | Air sealing and basement insulation, ventilation, New boiler; 3 dwelling units |
| 14 | 1,360 | Single family | Owner | Y | Comprehensive wxn, attic insulation, basement wall, ext. wall insulation, boiler replacement, safety, Ventilation. |
| 15 | 1,272 | Multi-family | Renter | Y | Comprehensive wxn, storage removal measures to make space, plumbing repair, ventilation, and new boiler for heat and DHW; 3 dwelling units |
| 16 | 1,320 | Multi-family | Renter | Y | Comprehensive wxn, ventilation, and new boiler for heat and DHW; 3 dwelling units |
| 17 | 1,320 | Multi-family | Renter | Y | Comprehensive wxn, ventilation, and new boiler for heat and DHW; 3 dwelling units |
| 18 | 3,448 | Multi-family | Renter | Y | Air sealing plus ventilation, new heating system and DHW replacements.; Non Profit Organization (Mission) Assisting the Homeless providing food, shelter and counseling. The lower level of the building is a finished heated space and is the location of the shower & boiler rooms plus sleeping quarters. |
| 19 | 1,123 | Single family | Owner | N | Comprehensive wxn, attic insulation, basement wall, ext. wall insulation. Ventilation. |
| 20 | 3,448 | Multi-family | Renter | Y | Air sealing plus ventilation, new heating system and DHW replacements; Non Profit Organization (Mission) Assisting the Homeless providing food, shelter and counseling. The lower level of the building is a finished heated space and is the location of the shower & boiler rooms plus sleeping quarters. |
| 21 | 3,448 | Multi-family | Renter | Y | Air sealing plus ventilation, new heating system and DHW replacements; Non Profit Organization (Mission) Assisting the Homeless providing food, shelter and counseling. The lower level of the building is a finished heated space and is the location of the shower & boiler rooms plus sleeping quarters. |
| 22 | 3,448 | Multi-family | Renter | Y | Air sealing plus ventilation, new heating system and DHW replacements; Non Profit Organization (Mission) Assisting the Homeless providing food, shelter and counseling. The lower level of the building is a finished heated space and is the location of the shower & boiler rooms plus sleeping quarters. |
| 23 | 896 | Multi-family | Renter | Y | Comprehensive wxn of this Mobile Home unit, new entry door, Furnace replace, ventilation, safety |
| 24 | 1,860 | Multi-family | Renter | N | Comprehensive wxn, ventilation, safety, 2 dwelling units |
| 25 | 2,000 | Single family | Owner | Y | Comprehensive wxn, furnace replace, attic insulation, basement wall, Ventilation. Safety. |