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February 8, 2023

## **VIA ELECTRONIC FILING**

puc.FilingCenter@puc.oregon.gov

RE: Tariff Advice No. 23-01 Modifications to Schedule 78 - Residential Energy Conservation Program

Attention Filing Center:

Pursuant to OAR 860-030-0010, Idaho Power Company ("Idaho Power" or "Company") transmits for filing its Seventh Revised Sheet No. 78-4 to update the cost-effectiveness limits ("CELs") for residential conservation measures included in Schedule 78. As set forth in OAR 860-030-0010(5), Idaho Power requests the tariff to become effective 30 days after submission on March 10, 2023.

The update to the CEL conforms with the Public Utility Commission of Oregon ("OPUC" or "Commission") Staff ("Staff") recommendations as outlined in Staff Reports dated August 10, 2016<sup>1</sup> and July 26, 2018<sup>2</sup> that were approved by the Commission on August 16, 2016, and June 31, 2018, respectively. Accordingly, the Company's CEL computation contains Demand-Side Management ("DSM") Alternate Cost inputs from the 2021 Integrated Resource Plan ("IRP") that was acknowledged by the OPUC in Order No. 23-004, issued on January 13, 2023.<sup>3</sup> Included with Sheet No. 78-4 is Attachment 1 detailing the calculations of the updated CELs.

If you have any questions regarding this filing, please contact Regulatory Analyst Zack Thompson (208) 388-2982 or <u>zthompson@idahopower.com</u>.

Sincerely,

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Connie Aschenbrenner

CA:sg Attachment

<sup>&</sup>lt;sup>1</sup> Docket No. ADV 339/Advice No. 16-11 Staff Report.

<sup>&</sup>lt;sup>2</sup> Docket No. ADV 808/Advice No. 18-07 Staff Report.

<sup>&</sup>lt;sup>3</sup> In Docket No. ADV 1283/Advice No. 21-07, the Commission directed Idaho Power to file updates to its CEL computations within 30 days of an IRP acknowledgment.

P.U.C. ORE. NO. E-27

### SCHEDULE 78 <u>RESIDENTIAL ENERGY CONSERVATION</u> <u>PROGRAM</u> (Continued)

COST-EFFECTIVENESS GUIDELINE (Continued)

The following Energy Conservation Measures shall be deemed to have the following life cycles:

- 1. Attic, ceiling, wall and under-floor insulation: 30 years
- 2. Insulation of walls in heated basements: 30 years
- 3. Insulation of heating system supply and return air ducts: 30 years
- 4. Thermal doors: 30 years
- 5. Storm windows: 15 years
- 6. Replacement windows meeting the requirements of Chapter 53 of the Oregon Residential Energy Code: 25 years
- 7. Storm doors: 7 years

#### COST-EFFECTIVE COMPUTATIONS

Energy Conservation Measures having an expected life cycle of 7 years shall be considered Cost-Effective if the installed cost is less than \$0.24 per annual kWh saved. Energy Conservation Measures having an expected life cycle of 15 years, 25 years, and 30 years shall be considered Cost-Effective if the installed cost is less than \$0.42 per annual kWh saved, and \$0.59 per annual kWh saved, respectively.

#### FINANCING

The Company will provide financing for Energy Conservation Measures at the request of a dwelling owner who occupies the dwelling as a residential space heating Customer or rents the dwelling to a tenant who is a residential space heating Customer if the dwelling has an electrical space heating system, installed and operational, which is designed to heat the living space of the dwelling. The financing program shall give the eligible dwelling owner a choice between a cash payment or a loan. As a condition of eligibility for either a cash payment or a loan, an Energy Audit of the dwelling will be required in order to determine which Energy Conservation Measures are Cost-Effective.

The Company will offer to all qualifying owners a choice between the following levels of assistance:

#### COST EFFECTIVE MEASURES

- A loan by the Company not to exceed \$5,000, upon approved credit, to be used to pay for the Energy Conservation Measures over a period of time not to exceed 10 years. Minimum monthly payment will be \$15. Interest will be paid at a 6½ percent annual rate for the cost of those measures, or a portion of the cost thereof, which are in accordance with the Cost-Effectiveness criteria of this schedule; or
- 2. A cash payment to the dwelling owner for 25 percent of the Cost-Effective portion of the Energy Conservation Measures recommended, including installation (but not including the dwelling owner's own labor), not to exceed the cost of the measure, up to a maximum cash payment of \$1,000.

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| Inputs: | Nominal Discount Rate | 7.12%  |
|---------|-----------------------|--------|
| -       | Escalation Rate       | 2.30%  |
|         | Real Discount Rate    | 4.71%  |
|         | Avoided Losses        | 9.60%  |
|         | Conservation Credit   | 10.00% |

| Measure Life<br>(Years) | PV<br>Alternate Costs<br>Mid-Year Conv.<br>(\$/kWh) | Avoided<br>Losses<br>(\$/kWh) | 10%<br>Conservation<br>Credit<br>(\$/kWh) | Oregon<br>Cost-effective<br>Limit (CEL)<br>(\$/kWh) |
|-------------------------|---|-------------------------------|---|---|
| 7                       | 0.20  | 0.02                          | 0.02                                      | 0.24  |
| 15                      | 0.35  | 0.03                          | 0.04                                      | 0.42  |
| 25                      | 0.45  | 0.04                          | 0.05                                      | 0.55  |
| 30                      | 0.49  | 0.05                          | 0.05                                      | 0.59  |

Notes: Oregon acknowledged 2021 IRP December 6, 2022 Docket No. LC 78

CEL Alternate Cost Worksheet 2022 for OR CEL.xlsx 12/14/2022

| Inputs for CEL Calculation          |       |  |  |  |  |  |
|-------------------------------------|-------|--|--|--|--|--|
| Nominal Discount Rate 1             | 7.12% |  |  |  |  |  |
| Escalation Rate <sup>2</sup>        | 2.30% |  |  |  |  |  |
| How to Use: All inputs are in blue. |       |  |  |  |  |  |

Date Created: 12/14/2022 Modified by: Zack Thompson Department: Regulatory Affairs Last Modified: 12/14/2022

# Description: Provides the values used in the cost-effectiveness computations for Oregon residential conservation measures (Schedule 78) to reflect the Company's updated DSM Alternative Costs. 2021 IRP acknowledged in Oregon on December 6, 2022 in Docket No. LC 78.

|        |     | Peak                | Allocation of C            | apacity        |             | DSM Alternate costs by Pricing Period <sup>5</sup> Discounted DSM Alternate costs by Pricing Period <sup>5</sup> |                   |          |                    |                    | d DSM Alternate Costs Combined Capacity and Energy \$/kWh (mid-year<br>PV costs) |                |                |                | Cumulative Discounted DSM Alternate Costs Variable Alternative Energy \$/kWh and Fixed Plant Costs (NPV) |                |                |                |                |                |
|--------|-----|---------------------|----------------------------|----------------|-------------|--|-------------------|----------|--------------------|--------------------|--|----------------|----------------|----------------|--|----------------|----------------|----------------|----------------|----------------|
| Year # | Yea | r Summer On-        | Simple Cycle<br>Combustion | Summer On-     | Sumn        |  | Summer            | Summer   | Non-Summer         | Non-Summer         | Summer   | Summer         | Summer         | Non-Summer     | Non-Summer Off-  | Summer         | Summer         | Summer         | Non-Summer     | Non-Summer     |
|        |     | Peak                | Turbine                    | Peak \$        | On-Pe       | ak   | Mid-Peak          | Off-Peak | Mid-Peak           | Off-Peak           | On-Peak  | Mid-Peak       | Off-Peak       | Mid-Peak       | Peak   | On-Peak        | Mid-Peak       | Off-Peak       | Mid-Peak       | Off-Peak       |
|        |     | (SONP) <sup>3</sup> | (SCCT) <sup>4</sup>        | per Hour       | SON         | P  | SMP               | SOFP     | NSMP               | NSOFP              | SONP   | SMP            | SOFP           | NSMP           | NSOFP  | SONP           | SMP            | SOFP           | NSMP           | NSOFP          |
|        |     | Hours /             |                            | Electricity \$ |             |  |                   |          |                    |                    | Electricity \$   | Electricity \$ | Electricity \$ | Electricity \$ |  | Electricity \$ |
|        |     | Year                | \$/kW/year                 | /kW            | Electricity | \$ /kW Elec  | ctricity \$ /kW E |          | Electricity \$ /kW | Electricity \$ /kW | /kW  | /kW            | /kW            | /kW            | Electricity \$ /kW   | /kW            | /kW            | /kW            | /kW            | /kW            |
| 1      | 202 |                     | 131.6                      |                |             | \$0.032  | \$0.027           | \$0.023  | \$0.027            | \$0.024            | \$0.276  | \$0.026        | \$0.023        | \$0.026        | \$0.023  | \$0.276        | \$0.026        | \$0.023        | \$0.026        | \$0.023        |
| 2      | 202 |                     | 131.6                      | \$0.253        |             | \$0.033  | \$0.027           | \$0.024  | \$0.026            | \$0.024            | \$0.258  | \$0.024        | \$0.021        | \$0.024        | \$0.021  | \$0.534        | \$0.050        | \$0.044        | \$0.050        | \$0.044        |
| 3      | 202 |                     | 131.6                      | \$0.253        |             | \$0.048  | \$0.041           | \$0.035  | \$0.037            | \$0.033            | \$0.253  | \$0.034        | \$0.030        | \$0.031        | \$0.028  | \$0.787        | \$0.084        | \$0.073        | \$0.081        | \$0.072        |
| 4      | 202 |                     | 131.6                      | \$0.257        |             | \$0.049  | \$0.041           | \$0.036  | \$0.036            | \$0.034            | \$0.241  | \$0.032        | \$0.028        | \$0.029        | \$0.026  | \$1.028        | \$0.117        | \$0.102        | \$0.109        | \$0.099        |
| 5      | 202 |                     |                            |                |             | \$0.050  | \$0.041           | \$0.036  | \$0.035            | \$0.032            | \$0.225  | \$0.030        | \$0.027        | \$0.025        | \$0.024  | \$1.253        | \$0.147        | \$0.128        | \$0.135        | \$0.122        |
| 6      | 202 |                     | 131.6                      | \$0.249        |             | \$0.050  | \$0.040           | \$0.034  | \$0.035            | \$0.033            | \$0.205  | \$0.027        | \$0.024        | \$0.024        | \$0.023  | \$1.458        | \$0.174        | \$0.152        | \$0.159        | \$0.145        |
| 7      | 202 |                     | 131.6                      | \$0.253        |             | \$0.051  | \$0.035           | \$0.031  | \$0.031            | \$0.031            | \$0.194  | \$0.022        | \$0.020        | \$0.020        | \$0.020  | \$1.652        | \$0.197        | \$0.172        | \$0.179        | \$0.165        |
| 8      | 202 |                     | 131.6                      | \$0.253        |             | \$0.054  | \$0.037           | \$0.033  | \$0.032            | \$0.034            | \$0.183  | \$0.022        | \$0.020        | \$0.019        | \$0.020  | \$1.836        | \$0.219        | \$0.191        | \$0.198        | \$0.185        |
| 9      | 202 |                     | 131.6                      | \$0.253        |             | \$0.054  | \$0.036           | \$0.033  | \$0.033            | \$0.036            | \$0.171  | \$0.020        | \$0.019        | \$0.018        | \$0.020  | \$2.007        | \$0.239        | \$0.210        | \$0.216        | \$0.205        |
| 10     |     |                     | 131.6                      | \$0.257        |             | \$0.052  | \$0.030           | \$0.030  | \$0.030            | \$0.036            | \$0.161  | \$0.016        | \$0.016        | \$0.016        | \$0.019  | \$2.167        | \$0.255        | \$0.226        | \$0.232        | \$0.224        |
| 11     |     |                     | 131.6                      | \$0.257        |             | \$0.055  | \$0.032           | \$0.033  | \$0.032            | \$0.037            | \$0.152  | \$0.015        | \$0.016        | \$0.015        | \$0.018  | \$2.319        | \$0.270        | \$0.242        | \$0.247        | \$0.242        |
| 12     |     |                     | 131.6                      | \$0.253        |             | \$0.056  | \$0.033           | \$0.034  | \$0.033            | \$0.039            | \$0.140  | \$0.015        | \$0.015        | \$0.015        | \$0.018  | \$2.459        | \$0.285        | \$0.257        | \$0.262        | \$0.260        |
| 13     |     |                     | 131.6                      | \$0.253        |             | \$0.055  | \$0.029           | \$0.033  | \$0.032            | \$0.041            | \$0.130  | \$0.012        | \$0.014        | \$0.013        | \$0.017  | \$2.589        | \$0.298        | \$0.271        | \$0.276        | \$0.277        |
| 14     |     |                     | 131.6                      | \$0.253        |             | \$0.057  | \$0.031           | \$0.035  | \$0.033            | \$0.042            | \$0.123  | \$0.012        | \$0.014        | \$0.013        | \$0.016  | \$2.712        | \$0.310        | \$0.285        | \$0.289        | \$0.293        |
| 15     |     |                     | 131.6                      | \$0.253        |             | \$0.057  | \$0.032           | \$0.035  | \$0.034            | \$0.044            | \$0.114  | \$0.012        | \$0.013        | \$0.013        | \$0.016  | \$2.826        | \$0.322        | \$0.297        | \$0.301        | \$0.309        |
| 16     |     |                     | 131.6                      | \$0.257        |             | \$0.059  | \$0.033           | \$0.037  | \$0.036            | \$0.044            | \$0.109  | \$0.011        | \$0.013        | \$0.013        | \$0.015  | \$2.935        | \$0.333        | \$0.310        | \$0.314        | \$0.324        |
| 17     | 200 |                     | 131.6                      | \$0.249        |             | \$0.057  | \$0.030           | \$0.036  | \$0.031            | \$0.040            | \$0.098  | \$0.010        | \$0.011        | \$0.010        | \$0.013  | \$3.033        | \$0.342        | \$0.322        | \$0.324        | \$0.337        |
| 18     |     |                     | 131.6                      | \$0.253        |             | \$0.059  | \$0.032           | \$0.038  | \$0.032            | \$0.043            | \$0.094  | \$0.010        | \$0.011        | \$0.010        | \$0.013  | \$3.127        | \$0.352        | \$0.333        | \$0.333        | \$0.350        |
| 19     |     |                     | 131.6                      | \$0.253        |             | \$0.062  | \$0.034           | \$0.040  | \$0.033            | \$0.042            | \$0.088  | \$0.010        | \$0.011        | \$0.009        | \$0.012  | \$3.215        | \$0.362        | \$0.344        | \$0.342        | \$0.362        |
| 20     |     |                     | 131.6                      | \$0.253        | -           | \$0.063  | \$0.035           | \$0.042  | \$0.032            | \$0.042            | \$0.083  | \$0.009        | \$0.011        | \$0.008        | \$0.011  | \$3.298        | \$0.371        | \$0.355        | \$0.351        | \$0.373        |
| 21     |     |                     | 131.6                      | \$0.257        |             | \$0.064  | \$0.036           | \$0.042  | \$0.033            | \$0.043            | \$0.078  | \$0.009        | \$0.010        | \$0.008        | \$0.011  | \$3.376        | \$0.380        | \$0.366        | \$0.359        | \$0.383        |
| 22     |     |                     | 131.6                      |                |             | \$0.066  | \$0.037           | \$0.043  | \$0.034            | \$0.044            | \$0.074  | \$0.008        | \$0.010        | \$0.008        | \$0.010  | \$3.450        | \$0.388        | \$0.375        | \$0.366        | \$0.393        |
| 23     |     |                     | 131.6                      | \$0.249        |             | \$0.067  | \$0.038           | \$0.044  | \$0.034            | \$0.045            | \$0.067  | \$0.008        | \$0.009        | \$0.007        | \$0.010  | \$3.517        | \$0.396        | \$0.385        | \$0.374        | \$0.403        |
| 24     |     |                     | 131.6                      | \$0.253        |             | \$0.069  | \$0.039           | \$0.045  | \$0.035            | \$0.046            | \$0.064  | \$0.008        | \$0.009        | \$0.007        | \$0.009  | \$3.581        | \$0.404        | \$0.394        | \$0.381        | \$0.412        |
| 25     |     |                     | 131.6                      | \$0.253        |             | \$0.070  | \$0.040           | \$0.047  | \$0.036            | \$0.047            | \$0.060  | \$0.007        | \$0.009        | \$0.007        | \$0.009  | \$3.641        | \$0.411        | \$0.403        | \$0.387        | \$0.421        |
| 26     |     |                     | 131.6                      | \$0.253        |             | \$0.072  | \$0.041           | \$0.048  | \$0.037            | \$0.048            | \$0.056  | \$0.007        | \$0.008        | \$0.006        | \$0.008  | \$3.697        | \$0.418        | \$0.411        | \$0.394        | \$0.429        |
| 27     |     |                     | 131.6                      | \$0.257        |             | \$0.074  | \$0.041           | \$0.049  | \$0.038            | \$0.049            | \$0.053  | \$0.007        | \$0.008        | \$0.006        | \$0.008  | \$3.751        | \$0.425        | \$0.419        | \$0.400        | \$0.437        |
| 28     |     |                     | 131.6                      | \$0.249        |             | \$0.075  | \$0.042           | \$0.050  | \$0.038            | \$0.051            | \$0.049  | \$0.006        | \$0.008        | \$0.006        | \$0.008  | \$3.800        | \$0.431        | \$0.426        | \$0.405        | \$0.445        |
| 29     |     |                     | 131.6                      | \$0.253        |             | \$0.077  | \$0.043           | \$0.051  | \$0.039            | \$0.052            | \$0.046  | \$0.006        | \$0.007        | \$0.006        | \$0.007  | \$3.846        | \$0.438        | \$0.433        | \$0.411        | \$0.452        |
| 30     |     |                     | 131.6                      | \$0.253        |             | \$0.079  | \$0.044           | \$0.052  | \$0.040            | \$0.053            | \$0.044  | \$0.006        | \$0.007        | \$0.005        | \$0.007  | \$3.890        | \$0.443        | \$0.440        | \$0.416        | \$0.459        |
| 31     |     |                     | 131.6                      | \$0.253        |             | \$0.081  | \$0.045           | \$0.053  | \$0.041            | \$0.054            | \$0.041  | \$0.006        | \$0.007        | \$0.005        | \$0.007  | \$3.931        | \$0.449        | \$0.447        | \$0.421        | \$0.466        |
| 32     | 205 | 52 512              | 131.6                      | \$0.257        |             | \$0.083  | \$0.046           | \$0.055  | \$0.042            | \$0.055            | \$0.039  | \$0.005        | \$0.006        | \$0.005        | \$0.006  | \$3.970        | \$0.454        | \$0.453        | \$0.426        | \$0.472        |

<sup>1</sup> Nominal Discount Rate is Discount rate (weighted average cost of capital) from Table DSM Financial Assumptions on page 38 of 2021 Idaho Power IRP Technical Appendix C

<sup>2</sup> Escalation Rate is Financial escalation factor from Table DSM Financial Assumptions on page 38 of 2021 Idaho Power IRP Technical Appendix C

<sup>3</sup> Summer On-Peak hours June 1-August 31

<sup>4</sup> Simple Cycle Combustion Turbine (SCCT) dollars per kW per year is from DSM Financial Assumptions on page 38 of 2021 Idaho Power IRP Technical Appendix C

<sup>5</sup> DSM Alternate Cost by Pricing Period from Avoided Cost Averages on page 38 of 2021 Idaho Power IRP Technical Appendix C
<sup>6</sup> DSM Alternate costs by Pricing Period from Avoided Cost Averages on page 38 of 2021 Idaho Power IRP Technical Appendix C
<sup>6</sup> DSM Alternate costs by Pricing Period are not published beyond 2040, values for 2041 to 2052 were escalated using Escalation rate above.

| Inputs for CEL Calculation            |       |
|---------------------------------------|-------|
| Nominal Discount Rate <sup>1</sup>    | 7.12% |
| Escalation Rate <sup>2</sup>          | 2.30% |
| Line Losses <sup>3</sup>              | 9.60% |
| Real Discount Rate                    | 4.71% |
|                                       |       |
| Energy Conservation Measure Life      |       |
| Storm doors                           | 7     |
| Storm windows                         | 15    |
| Chapter 53 windows                    | 25    |
| Attic/Celing/Wall/Floor/doors/windows | 30    |

(1 + Nominal Discount Rate) / (1 + Escalation Rate)) - 1

5/1.1A/1

|  | DSM Alternate Cost Combined Capacity and Energy \$/kWh Summer Total |                 |                   |              |            |          |  |  |  |
|--|---|-----------------|-------------------|--------------|------------|----------|--|--|--|
|  |   | Summer          |                   | Non-Sum      | Non-Summer |          |  |  |  |
|  | On-Peak   | Mid-Peak        | Off-Peak          | Mid-Peak     | Off-Peak   |          |  |  |  |
| Typical Hours in Period                          | 512   | 960             | 736               | 3,616        | 2,936      | 8,760    |  |  |  |
|  |   |                 |                   |              |            |          |  |  |  |
|  | Load Shape  | es - Percent o  | of Hours          |              |            |          |  |  |  |
|  |   | Summer          |                   | Non-Sum      | mer        | Total    |  |  |  |
|  | On-Peak   | Mid-Peak        | Off-Peak          | Mid-Peak     | Off-Peak   |          |  |  |  |
| Storm doors - 7 Years                            | 1.575%  | 3.500%          | 1.682%            | 48.794%      | 44.450%    | 100.000% |  |  |  |
| Storm windows - 15 Years                         | 1.575%  | 3.500%          | 1.682%            | 48.794%      | 44.450%    | 100.000% |  |  |  |
| Chapter 53 windows - 25 Years                    | 1.575%  | 3.500%          | 1.682%            | 48.794%      | 44.450%    | 100.000% |  |  |  |
| Attic/Celing/Wall/Floor/doors/windows - 30 Years | 1.575%  | 3.500%          | 1.682%            | 48.794%      | 44.450%    | 100.000% |  |  |  |
|  |   |                 |                   |              |            |          |  |  |  |
| Mid-Ye   | ar PV of Combir   | 0,              | nd Capacity \$/k  |              |            |          |  |  |  |
|  |   | Summer          |                   | Non-Sum      |            |          |  |  |  |
|  | On-Peak   | Mid-Peak        | Off-Peak          | Mid-Peak     | Off-Peak   |          |  |  |  |
| Storm doors - 7 Years                            | \$1.652   | \$0.197         | \$0.172           | \$0.179      | \$0.165    |          |  |  |  |
| Storm windows - 15 Years                         | \$2.826   | \$0.322         | \$0.297           | \$0.301      | \$0.309    |          |  |  |  |
| Chapter 53 windows - 25 Years                    | \$3.641   | \$0.411         | \$0.403           | \$0.387      | \$0.421    |          |  |  |  |
| Attic/Celing/Wall/Floor/doors/windows - 30 Years | \$3.890   | \$0.443         | \$0.440           | \$0.416      | \$0.459    |          |  |  |  |
|  |   |                 |                   | <b>D</b> ( ( |            |          |  |  |  |
| Mid-Year PV of Combined                          | Energy and Ca   |                 | x Load Shape      |              |            |          |  |  |  |
|  |   | Summer          |                   | Non-Sum      |            | Total    |  |  |  |
|  | On-Peak   | Mid-Peak        | Off-Peak          | Mid-Peak     | Off-Peak   |          |  |  |  |
| Storm doors - 7 Years                            | \$0.026   | \$0.007         | \$0.003           | \$0.087      | \$0.073    | \$0.196  |  |  |  |
| Storm windows - 15 Years                         | \$0.045   | \$0.011         | \$0.005           | \$0.147      | \$0.137    | \$0.345  |  |  |  |
| Chapter 53 windows - 25 Years                    | \$0.057   | \$0.014         | \$0.007           | \$0.189      | \$0.187    | \$0.455  |  |  |  |
| Attic/Celing/Wall/Floor/doors/windows - 30 Years | \$0.061   | \$0.016         | \$0.007           | \$0.203      | \$0.204    | \$0.491  |  |  |  |
| PV of Combine                                    | d Energy and Ca   | anacity \$/k\// | a by load distrib | ution Shane  |            |          |  |  |  |

| PV of Combined Energy and Capacity \$/kWh by load distribution Shape |              |        |              |                |  |                |  |  |  |  |
|--|--------------|--------|--------------|----------------|--|----------------|--|--|--|--|
|  | PV Alternate |        |              | CEL            |  | CEL            |  |  |  |  |
|  | Costs Mid-   |        | 10%          | Cost-Effective |  | Cost-Effective |  |  |  |  |
|  | Year Conv.   | Line   | Conservation | Avoided Cost   |  | Avoided Cost   |  |  |  |  |
|  | (cents/kWh)  | Losses | Credit       | (cents/kWh)    |  | (\$/kWh)       |  |  |  |  |
| Storm doors - 7 Years  | 19.622       | 1.096  | 1.100        | 23.656         |  | \$0.24         |  |  |  |  |
| Storm windows - 15 Years   | 34.514       | 1.096  | 1.100        | 41.611         |  | \$0.42         |  |  |  |  |
| Chapter 53 windows - 25 Years  | 45.456       | 1.096  | 1.100        | 54.802         |  | \$0.55         |  |  |  |  |
| Attic/Celing/Wall/Floor/doors/windows - 30 Years                     | 49.139       | 1.096  | 1.100        | 59.243         |  | \$0.59         |  |  |  |  |

<sup>1</sup> Nominal Discount Rate is Discount rate (weighted average cost of capital) from Table DSM Financial Assumptions on page 38 of 2021 Idaho Power IRP Technical Appendix C <sup>2</sup> Escalation Rate is Financial escalation factor from Table DSM Financial Assumptions on page 38 of 2021 Idaho Power IRP Technical Appendix C <sup>3</sup> Lines losses is Non-summer secondary losses from Table DSM Financial Assumptions on page 38 of 2021 Idaho Power IRP Technical Appendix C