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# Energy Efficiency Program Proposal

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## ThermWise<sup>®</sup> Weatherization Rebates Program

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# Program Overview

## Description

The ThermWise® Weatherization Rebate program targets residences receiving service on the GS rate schedule. A qualifying single-family residence is an existing structure that has up to four residential dwelling units. A qualifying multifamily residence is an existing dwelling having five or more residential dwelling units. To qualify for insulation, air sealing, and duct related rebates, customers will be required to have measures installed by a ThermWise® Authorized Contractor.

For qualifying multifamily residences, a pre-qualification inspection will be required. This program will offer incentives for qualifying weatherization measures. Weatherization measure delivery will leverage the marketing access and existing delivery channels of local businesses, wholesalers and retailers.

Questar will work with its Authorized Contractors to identify previously completed measures in a premise. If a premise has received rebates and conditions warrant additional attic, floor or wall insulation work to be completed, approval may be granted based on the recommendation from a ThermWise® Home Energy Plan, inspection or documented program approval for specific work.

# Program Design

## Program Measures

### Qualifying Customers

Separately metered existing single-family or multifamily residences in Questar Gas Utah service territories that are billed on the GS rate schedule are eligible to participate in the ThermWise® Weatherization Rebates program.

### Measure Eligibility

To receive a rebate, customers must submit a completed application form within six months of the installation date and provide all required documentation.

A Home Energy Plan will be required for participation in the air-sealing measure. Questar Gas Home Energy Experts may conduct a blower door test as part of the Home Energy Plan to determine eligibility. Only single-family units will be eligible for the air-sealing program. Participation in any attic related air-sealing will require that customers have a weighted R-value of R-38 or better attic insulation once air-sealing specifications are achieved.

For a complete list of minimum efficiency requirements and rebate amounts, see section 2.14 of the Questar Gas Company Utah Tariff (QGC Energy Efficiency Exhibit 1.10).

## Program Rebates, Projected Participation and Savings

Weatherization energy efficiency measures are outlined below in Table 1 and include the associated available incentive per unit. These measures will be available to residential customers based on measure eligibility requirements.

**Table 1. Weatherization Energy Efficiency Projected Participation and Savings**

| Single Family (1-4 units)  |                                      |                                     |  |  |                                      |   |  |                |
|----------------------------|--------------------------------------|-------------------------------------|--|--|--------------------------------------|---|--|----------------|
|                            | Window<br>U ≤ 0.22<br>\$2.50/sq. ft. | Wall<br>Insulation<br>\$0.30/sq.ft. | Attic<br>Insulation<br>Tier 1<br>\$0.25/sq.ft. | Attic<br>Insulation<br>Tier 2<br>\$0.07/sq.ft. | Floor<br>Insulation<br>\$0.20/sq.ft. | Duct Sealing<br>& Insulation<br>\$100 plus<br>\$5.25/linear ft.<br>Not to exceed<br>\$450 | Air Sealing<br>\$100 plus<br>\$0.18/sq.ft.<br>Not to<br>exceed \$850 | Total          |
|                            | #                                    | #                                   | #  | #  | #                                    | #   | #  |                |
| Estimated Participants     | 450                                  | 870                                 | 14,000   | 4,000  | 280                                  | 3,000   | 400  | <b>23,000</b>  |
| Units per Participant      | 15                                   | 859                                 | 1,377  | 1,350  | 798                                  | 1   | 2,394  | N/A            |
| Estimated Units            | 6,895                                | 747,578                             | 18,158,000                                     | 5,400,000                                      | 223,515                              | 3,000   | 958  | N/A            |
| Savings Estimates (Dth/yr) | 481                                  | 3,962                               | 96,237   | 7,020  | 1,520                                | 40,440  | 4,597  | <b>154,258</b> |

| Multifamily (5 or more units) |                                      |                                     |  |  |                                      |   |             |               |
|-------------------------------|--------------------------------------|-------------------------------------|--|--|--------------------------------------|---|-------------|---------------|
|                               | Window<br>U ≤ 0.22<br>\$2.50/sq. ft. | Wall<br>Insulation<br>\$0.30/sq.ft. | Attic<br>Insulation<br>Tier 1<br>\$0.25/sq.ft. | Attic<br>Insulation<br>Tier 2<br>\$0.07/sq.ft. | Floor<br>Insulation<br>\$0.20/sq.ft. | Duct Sealing<br>& Insulation<br>\$100 plus<br>\$5.25/linear ft.<br>Not to exceed<br>\$250 | Air Sealing | Total         |
|                               | #                                    | #                                   | #  | #  | #                                    | #   | N/A         |               |
| Estimated Participants        | 0                                    | 3                                   | 4,800  | 3,600  | 20                                   | 5,800   | N/A         | <b>14,223</b> |
| Units per Participant         | 0                                    | 340                                 | 989  | 965  | 91                                   | 1   | N/A         | N/A           |
| Estimated Units               | 0                                    | 1,019                               | 4,748,906                                      | 3,475,444                                      | 1,818                                | 5,800   | N/A         | N/A           |
| Savings Estimates (Dth/yr)    | 0                                    | 5                                   | 25,169   | 4,518  | 12                                   | 46,400  | N/A         | <b>76,105</b> |

### Rebate Limitations

ThermWise® Weatherization Rebate program limitations are defined in Section 2.14 of the Questar Gas Company Utah Tariff (QGC Energy Efficiency Exhibit 1.10).

### Implementation

This program is currently in the marketplace. Upon Commission approval, implementation activities will begin for the new program year in order to launch January 1, 2016.

### Administration

The program administration represents the on-going delivery of the program. All internal systems, processes, and procedures have been created and are in place.