

BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

In the Matter of the Application of Southwest Gas Corporation (U905 G) for Approval of Low- Income Programs and Budgets for Program Years 2015-2017.

And Related Matters

Application 15-02-001
(Filed February 2, 2015)

Application 15-02-002
Application 15-02-003
Application 15-02-013
Application 15-02-024
Application 15-03-004

**Alpine Natural Gas Operating Company No. 1, LLC
(U-909-G)
LOW-INCOME ASSISTANCE PROGRAMS
2019 ANNUAL REPORT**

Michael Lamond, Administrator
Alpine Natural Gas Operating Company No. 1, LLC
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Dated: April 30, 2020

BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

In the Matter of the Application of Southwest Gas Corporation (U905 G) for Approval of Low-Income Programs and Budgets for Program Years 2015-2017.

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**Alpine Natural Gas Operating Company No. 1, LLC
(U-909-G)
PUBLIC PURPOSE PROGRAMS (LOW-INCOME ASSISTANCE)
2019 ANNUAL REPORT**

Alpine Natural Gas Operating Company No. 1, LLC (Alpine) respectfully submits the attached Annual Report on low income assistance programs in accordance with the requirements set forth in the April 5, 2004 Second Energy Division Workshop Report on the Review of the Accounting and Reporting Requirements for the California Alternate Rate for Energy (CARE) and Low-Income Energy Efficiency (LIEE) programs of the Small and Multi-Jurisdictional Utilities (SMJU)¹. Pursuant to Ordering Paragraph 24 of the Decision on Small and Multi -Jurisdictional Utilities' 2015-2017 Energy Savings Assistance Program and California Alternate Rate for Energy Program Applications (D. 14-005-004), issued May 1, 2014 in consolidated docket A. 11-06-016, Alpine is filing its 2019 Annual Report in the most current consolidated docket.

Rate Recovery

Expenses listed in this report are consistent with the amounts approved by the Commission in D.08-12-019 and D. 14-05-004.

¹ Ordering paragraph 5, 0.05-07-014, issued in Rulemaking 04-01-006 and Application 06-06-002, et al.

Reporting

Alpine's 2019 Public Purpose Programs (Low-Income Assistance) Annual Report was prepared in accordance with the guidance offered in D. 14-05-004.

Dated this 30th day of April 2020

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Michael Lamond", with a large, sweeping flourish at the end.

Michael Lamond, Administrator
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ALPINE NATURAL GAS OPERATING COMPANY NO. 1, LLC
Low Income Assistance Programs Annual Report
(Reporting Period January 1, 2019 through December 31, 2019)

CARE Residential Program

I. PARTICIPANT INFORMATION

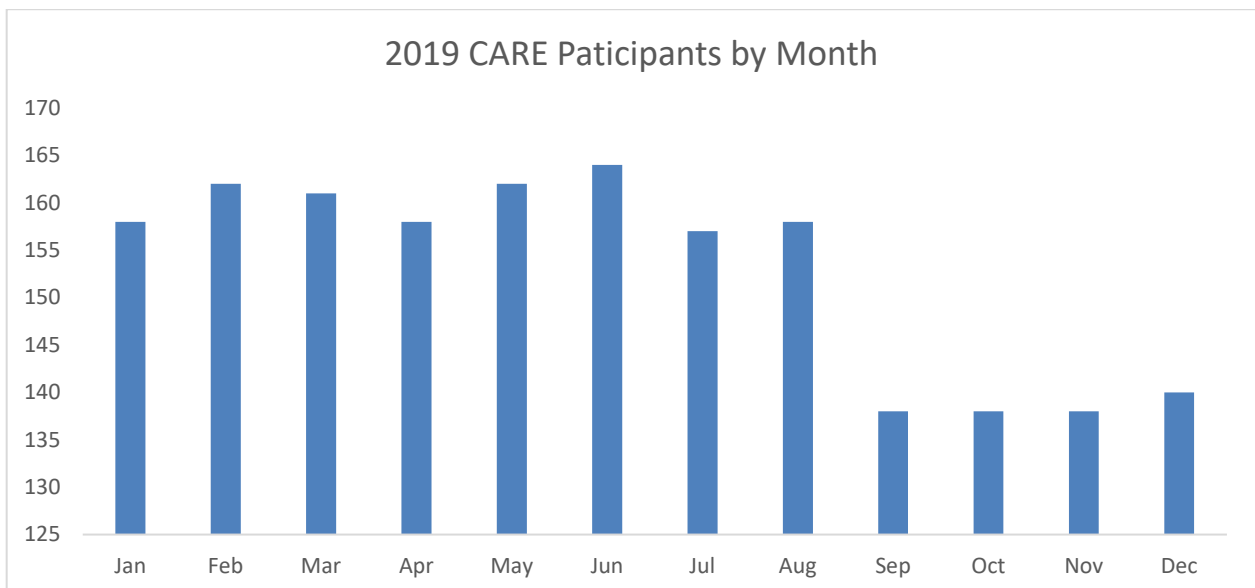
A. Number of participating low-income households, including sub metered households, by month. The data should be provided in a numerical table and in graph form.

1. Provide an explanation of any variance in the number of participants of 5% or more from the previous month.

One variance > 5% of CARE Participants from month to month throughout the year. This is common during the annual renewal for the CARE program.

2. Provide an explanation of a variance in the number of participants, calculated as the difference between participation at the beginning of the year compared to the end of the year, of 5% or more.

Alpine requires self-certification each year beginning in June and experienced a significant drop off in participation during annual re-certification. Participation appeared to change with customer circumstances changing. Alpine provides multiple opportunities to re-certify including personal contact.



B. Provide an updated estimate of potentially eligible households and state source of figures. Questions 2 through 5 should be completed using CARE Table I. B.

1. What is the total number of residential customers?

Alpine Natural Gas served **1,604** residential customers as of December 31, 2019.

2. How many potential CARE eligible households are in your service territory?

It is estimated that about **(176)** of our permanent residential (1,604) customers are eligible for the CARE discount rate.

2019	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CARE Participants	158	162	161	158	162	164	157	156	138	138	138	140
Variance- prev. month	2.60%	2.53%	-0.62%	-1.86%	2.53%	1.23%	-4.27%	0.64%	12.66%	0.00%	0.00%	1.45%

3. What percentage of the customer base for this utility, as defined by the income and household size criteria, is estimated eligible for the CARE discount?

It is estimated that about 11% of our permanent residential customers are eligible for the CARE discount rate.

4. How many CARE participants, including sub-metered tenants, are signed up for CARE , and what percentage is that to the total number of customers eligible for CARE?

153 Participants as of December 31, 2019. 87% of Eligible.

5. Provide the methodology used to estimate the number of eligible households in this utility’s service area.

(a) State the source of statistics and, explain any modifications made. For example, modifications to the U.S. census data for undercounts of ethnic groups, such as Hispanics.

Alpine primarily serves single family home customer population (98.5%) that resides within a finite distribution system. 86% of all customers are homeowners residing in their own home. Alpine’s service territory is made up distinct sub-divisions outside of the actual town of Valley Springs. Alpine does not provide service to all residence in its service territory. Alpine does not serve sub-metered households. Alpine’s service area is located entirely in a single zip code (95252).

Submetered Participants (Master Metered Customers)

C. How many master metered customers with sub metered tenants are in this utility’s service territory as of the end of the reporting period?

NOT APPLICABLE

D. How many sub metered tenants are estimated to be CARE eligible?

NOT APPLICABLE

E. How many sub metered tenants are participating in CARE as of the end of the reporting period and what is the participation rate as compared to the estimated number eligible?

NOT APPLICABLE

F. Discuss any problems encountered during the reporting period in administering CARE for sub metered tenants and/or master metered customers.

NOT APPLICABLE

II. USAGE INFORMATION

A. Provide tables showing monthly average Tier 1 and Tier 2 consumption for all residential customers (excluding CARE participants) by baseline territory (climate zone) and on a total basis. This information should be provided for summer and winter billing seasons. Do not include master metered consumption.

Average Tier I and Tier II usage for residential Non-CARE customers is tabulated below (in Therms):

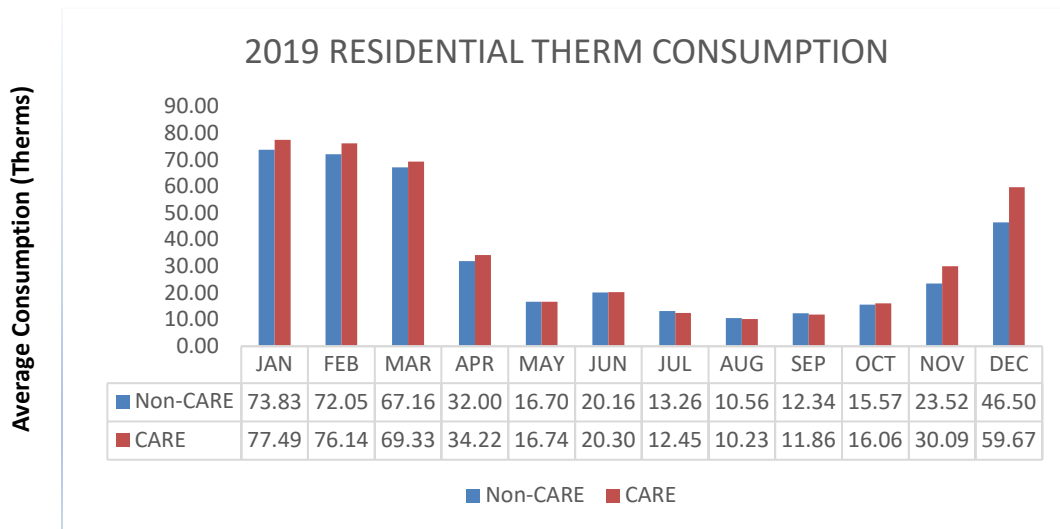
Month	Tier I	Tier II	Month	Tier I	Tier II
January	33.03	28.93	July	11.11	1.29
February	32.41	26.34	August	9.52	0.54
March	56.38	23.66	September	10.74	0.9
April	25.27	2.8	October	12.48	1.94
May	14.77	0.36	November	21.89	1.63
June	14.16	3.85	December	28.41	18.09

- B. Provide tables showing monthly average Tier 1 and Tier 2 consumption for CARE participants by baseline territory and on a total basis. Provide this information for summer and winter billing seasons. Do not include master metered consumption.

Average Tier I and Tier II usage for residential CARE customers is tabulated below (in Therms):

Month	Tier I	Tier II	Month	Tier I	Tier II
January	40.81	47.38	July	11.11	1.34
February	40.33	31.47	August	9.59	0.64
March	40.4	26.16	September	10.85	1.01
April	29.71	6.78	October	13.45	2.61
May	16.58	0.61	November	27.59	27.59
June	15.72	0.18	December	39.03	20.64

- C. Provide a graph illustrating average consumption by residential customers (excluding CARE participants) vs. CARE participants for the utility’s entire service territory. Do not include master metered consumption.



III. PROGRAM COSTS

- A. Provide a table showing the average monthly bill per residential customer for each baseline territory and for the total service territory.

AVG MONTHLY NON CARE GAS \$ SALES PER CUSTOMER

2019	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg. Bill
	\$103.60	\$101.91	\$136.75	\$41.93	\$21.07	\$24.91	\$16.67	\$13.11	\$15.16	\$19.32	\$35.73	\$69.57	\$49.98

B. Provide a table showing the average monthly bill for CARE participants for each baseline territory and for the total service territory.

C. Provide a table showing the average monthly discount by baseline territory and 12 months ending (end of reporting period) in dollars per CARE participant.

2019	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg . Bill
<i>AVG. SALES PER CARE CUSTOMER</i>	\$108.81	\$107.74	\$100.97	\$44.77	\$20.95	\$25.51	\$15.57	\$12.65	\$14.51	\$19.90	\$71.47	\$76.23	\$51.59
<i>AVG CARE GAS DISCOUNT</i>	\$21.76	\$21.55	\$20.19	\$8.95	\$4.19	\$5.10	\$3.11	\$2.53	\$2.90	\$3.98	\$14.29	\$15.25	\$10.32
<i>AVG CARE GAS SALES LESS DISCOUNT RECVD</i>	\$87.05	\$86.19	\$80.78	\$35.82	\$16.76	\$20.41	\$12.46	\$10.12	\$11.61	\$15.92	\$57.18	\$60.98	\$41.27

D. For total CARE administrative costs, compute a table showing administrative costs per participating customer.

2019		Admin. Cost per CARE Participant	Avg. Cost per Non-Participant
Total CARE ADMINSTRATIVE COSTS		\$3,900.00	
CARE Participants	153	\$2.40	
Non-Care Participants	1473		\$2.40

A. Complete Table III. D.2 which gives a breakdown of administrative costs in the following categories: Outreach; General Administration; Processing, Certification and Verification; Billing System Programming; Regulatory Compliance.

1. Provide the amount and a brief explanation of what is included in each of these categories.

Outreach

General Administration

Processing, Certification and Verification

Billing System Programming

Regulatory Compliance

Alpine’s CARE Administrative Costs are \$3,900.00 which are in addition to billing and administrative costs.

2. What are the Billing and General administrative costs incurred for non-CARE residential customers?

Admin cost to Fund CARE is \$2.40 per Non-CARE customer

B. Provide balancing account balance (for which balancing account Care – ESA or both as of (end of reporting period). Also provide an explanation for over/under-collection balances. (Give a snapshot in time.)

2019 CARE Balancing Acct.

2019 CARE Funds Available	\$27,902.00
CARE Administration Costs	\$ 3,900.00
CARE Discount Benefits Provided	\$23,790.00
Total CARE Expenditures	\$27,690.00

Ending CARE Balance **\$212.00**

2019 ESA Balancing Acct.

Beginning ESA Over-collection Amount	\$20,423.00
2019 ESA Funds Available from PPP Collections	\$28,825.00
Funds Available for 2019 ESA	\$49,248.00
2019 ESA Expenditures	\$31,592.00
2018 General ESA Administration	\$1,500.00
Total ESA Expenditures	\$33,092.00
Ending ESA Over-Collection Balance	\$16,156.00

ESA balancing account over-collection in Balancing Account decreased during 2019.

- C. Describe in detail what costs are recorded in the balancing account(s) and what costs are included directly to base rates.
- D. Provide a table showing the surcharge amount and the percent responsibility for surcharge by customer class.

Customer Class	Amount Surcharge Collected	% of Total	Avg. cost per Customer
CARE Customer	\$3,164.00	5.46%	\$20.70
Non-CARE	\$52,518.00	90.67%	\$35.51
Commercial	\$2,237.00	3.86%	\$89.48
Total	\$57,919.00	100.00%	

- E. Provide the annual subsidy (discount) for all CARE participants.

2018 the discount benefit was \$ 23,790.00

- E. Provide a table showing the percent of total CARE surcharge for each customer class.

Customer	Amount Surcharge Collected For CARE	%	CARE Surcharge \$ per Class
CARE Customer		5.46%	\$ 1,507
Non-CARE		90.67%	\$25,033
Commercial		3.86%	\$ 1,066
Total	\$27,609	100.00%	\$27,609

IV. OUTREACH

A. Complete CARE Table IV.A. showing the outreach activities undertaken, the number of customers reached (if known) and the number of applications returned as a result of the particular activity undertaken (if known).

D. Provide a narrative discussion of the following:

1. Sharing information in overlapping service territories

NOT APPLICABLE

2. Sharing information with ESA and other utility programs (i.e. signing up ESA customers not enrolled in CARE or working

ESA customers come from CARE enrollment

3. Leveraging CARE funds with other utility assistance programs

CARE Funds are not leveraged with other utility assistance programs.

4. Participation barriers encountered and steps taken to mitigate them

None

C. Describe recommendations for improving outreach, including cost effectiveness and methods for reaching underserved households.

None

V. PROGRAM MANAGEMENT

A. Provide a table showing the total number of applications received by month, the total approved, the total denied as ineligible, the total returned to applicants as incomplete, and the total of duplicate applications for the reporting period.

New CARE Applications Received	Denied	Returned for Proof of Income	Qualified CARE
28	1	0	27

B. Describe any problems encountered during the reporting period with program management efforts.

None

VI. CERTIFICATION AND VERIFICATION PROCESSES

- A. Provide a table showing the total number of participants asked to recertify their eligibility during the reporting period. The table should show the total recertification's requested, the total recertification applications received, the total recertified, the total denied as ineligible, and the total returned to the participant as incomplete for the reporting period. Include the total number of participants who were removed from the program because they did not return the recertification application.

ALPINE NATURAL GAS recertifies its CARE customers annually.

# Re-Certifications Requested	CARE Re-certifications Received	Denied	Returned for Proof of Income	Re-Qualified CARE
160	142	4	0	138

- B. Provide a table showing the total number of participants asked for income verification during the reporting period. The table should show the total verifications requested, the total verifications received, the total verified, the total denied as ineligible, and the total returned to the participant as incomplete for the reporting period. Include the total number of participants who were removed from the program because they did not respond to a request for income verification.
- C. Describe the process for recertifying sub metered tenants of master metered complexes. Discuss any problems between master metered ratepayers and sub metered customers that were encountered during the reporting period.

NOT APPLICABLE

- D. Describe any third-party process used for CARE certification, recertification and verification processes. Describe how these processes compare with the utility's efforts as far as cost effectiveness and effectiveness in reaching underserved households.

Third Party process only utilized for CARE customers when ESA eligibility is verified by RHA. Generally, CARE is all by Self-certifications only. Cost effectiveness not at issue.

VII. OTHER TOPICS

1. What significant changes are there from the previous reporting period?

None

- B. Are there any other comments, recommendations or issues that need to be addressed? **None**

CARE Expanded Program

The CARE Expanded Program is an extension of the residential CARE program that covers non-profit homeless shelters and group living facilities, migrant farmworker housing centers, qualified privately-owned employee housing and qualified non-profit housing for agricultural employees.

Not Applicable for Alpine. Do not serve customers of type listed above.

I. PARTICIPANT INFORMATION

- A. Number of participating non-profit facilities, by type, by month. The data should be provided in numerical tables and also in graph form as follows:
 - 1. Give the total number of residential facilities and the total number of commercial facilities receiving the Expanded CARE discount.
 - 2. Total number of residents (excluding caregivers) of residential and commercial non-profit Expanded CARE facilities.

II. PROGRAM COSTS

- A. Total Expanded CARE administrative costs. Compute administrative costs per participating facility. Give a breakdown in the following categories: Outreach; General Administration; Processing, Certification and Verification; Billing System Programming; Regulatory Compliance;
 - 1. Provide the amount and a brief explanation of what is included in each of these categories.
 - Outreach
 - General Administration
 - Processing, Certification and Verification
 - Billing System Programming
 - Regulatory Compliance
- B. Provide discount information for the Expanded CARE program.
 - 1. Give the average annual discount per residential facility.
 - 2. Give the average annual discount per commercial facility.

III. OUTREACH

- A. Provide a table showing the outreach activities undertaken, the number of customers reached (if known) and the number of applications returned as a result of the particular activity undertaken (if known).
- B. Provide a narrative discussion of the following:
 - 1. Provide an analysis of the utility's most cost-effective outreach for the group living facilities;
 - 2. Sharing information in overlapping service territories;
 - 3. Participation barriers encountered and steps taken to mitigate them;
 - 4. Public agencies used to solicit potential Expanded CARE facilities;
 - 5. Barriers encountered in identifying or enrolling customers in the Expanded CARE program.

IV. PROGRAM MANAGEMENT

- A. Provide a table showing the total number of applications received, the total approved, the total denied as ineligible, the total returned to applicants as incomplete for the reporting period.
- B. State the reasons CARE applications are not approved.
- C. Describe any problems encountered during the reporting period with recertification and verification processes for Expanded CARE.

V. OTHER TOPICS

- A. What significant changes are there from the previous reporting period?
- B. Are there any other comments, recommendations or issues? Analyze the CARE Expansion program, progress over the past 12 months, identify issues that need work, identify areas that need improvements and make suggestions for improvement.

Appendix A

ESA Program

Complete the following tables for the ESA program

Alpine provides ESA data in Table below to present ESA results for this 2019 Annual Report

Fourteen (14) Customers were provided ESA services in 2019. Two (2) were leveraged with PG&E.

x Table VIII.A- Program Expenses

Subtotal- Weatherization	\$23,135.31
Education, Marketing & Assessment, and Verification	\$2,544.49
Subcontractor Total	\$25,679.80
Program Administration Fees (\$171 per home X 14 homes)	\$2,394.00
Inspection Expenses (5 Homes)	\$1,,862.38
Final Report	\$1,656.00
Grand Total	<u>\$31,592.18</u>

ENERGY SAVINGS ASSISTANCE PROGRAM

Fourteen customers received ESA services in PY2019.

- Two Leveraged Jobs
- Twelve Non-Leveraged Jobs

PY 2019 Summary of Expenses	
Expense	Cost
Contractor: Weatherization, MHR & Misc. Expenses	\$7,910.31
Contractor R&R Expenses	\$15,225.00
Contractor: Education, Marketing & Assessment, and Verification	\$2,544.49
Admin Expenses	\$2,394.00
Inspections	\$1,862.38
Final Report	\$1,656.00
Total Expenses	\$31,592.18

PROGRAM EXPENSES

Installations and Costs:

- Homes Served: 14
- Total Installation Costs:
- Average Cost Per Home:

PY 2019 Installations and Costs		
Measure Name	Quantity	Cost
Attic Access Weather strip	7	\$247.24
Caulking	12	\$1,102.56
Cover Plates Repl	1	\$18.63
Direct Costs	14	\$965.64
Doors Weather strip	21	\$1,825.32
Duct Test - Gas	7	\$679.98
Energy Education	14	\$1,435.33
Faucet Aerators - Gas	4	\$45.32
Marketing & Assessment	14	\$143.52
MHR Shop Fee	10	\$193.70
NGAT	12	\$549.84
Showerheads - Gas	6	\$238.32
Thermostatic Valve - Gas	6	\$129.24
Utility Gaskets	12	\$223.56
Water Heater Blanket	2	\$124.16
Duct Assessment - Gas	13	\$0.00

PY 2019 Installations and Costs		
Measure Name	Quantity	Cost
Wall Repair - Interior	9	\$85.05
Duct Seal - Gas	1	\$371.39
NGAT R&R	2	\$0.00
CVA	1	\$33.12
Attic Insulation	1216	\$2,042.88
Appliance Repair & Replacement (Vendor Invoice)	2	\$15,225.00
Grand Total	1386	\$25,679.80

**Leveraged prices assumed in table above for Education Measures; Direct Costs, Energy Education, and Marketing & Assessment.*

Administrative Expenses

PY 2019 Administrative Expenses	
Admin Expense	Cost
ESA Administration Expenses	\$2,394.00
Year End Report	\$1,656.00
Total Admin Expenses	\$4,050.00

Outreach Activities:

- Not Provided in PY2019

Inspection Expenses:

PY 2019 Inspection Expenses	
Admin Expense	Cost
Inspections	\$690.00
Mileage	\$244.86
Travel Time	\$695.52
Pier Diem	\$88.00
NGAT	\$144.00
Total Insp Expenses	\$1,862.38

Therm Savings:

PY 2019 Therm Savings						
PID	Measure Name	QTY	Unit Price	Total	Therm Savings	Total Therm Savings
1098273456	Direct Costs	1	\$74.28	\$74.28	0	0
	Energy Education	1	\$110.41	\$110.41	0	0
	Marketing & Assessment	1	\$11.04	\$11.04	0	0
	Attic Access Weatherstrip	1	\$35.32	\$35.32	0.95041769	0.95041769
	Caulking	1	\$91.88	\$91.88	1.116363636	1.116363636

PY 2019 Therm Savings						
PID	Measure Name	QTY	Unit Price	Total	Therm Savings	Total Therm Savings
	Doors Weather strip	3	\$86.92	\$260.76	1.165255474	3.495766422
	Duct Assessment - Gas	1	\$0.00	\$0.00		
	Duct Test - Gas	1	\$97.14	\$97.14	0	0
	Showerheads - Gas	2	\$39.72	\$79.44	6.42	12.84
	Thermostatic Valve - Gas	2	\$21.54	\$43.08	1.71	3.42
	Utility Gaskets	1	\$18.63	\$18.63	1.123565982	1.123565982
	MHR Shop Fee	1	\$19.37	\$19.37	0	0
	Wall Repair - Interior	4	\$9.45	\$37.80	0.422548853	1.690195412
	NGAT	1	\$45.82	\$45.82	0	0
712515 026	Direct Costs	1	\$74.28	\$74.28	0	0
	Energy Education	1	\$110.41	\$110.41	0	0
	Marketing & Assessment	1	\$11.04	\$11.04	0	0
9105550159	Direct Costs	1	\$37.14	\$37.14	0	0
	Energy Education	1	\$55.21	\$55.21	0	0
	Marketing & Assessment	1	\$5.52	\$5.52	0	0
	Caulking	1	\$91.88	\$91.88	1.116363636	1.116363636
	Duct Assessment - Gas	1	\$0.00	\$0.00		
	Duct Seal - Gas	1	\$371.39	\$371.39		
	Duct Test - Gas	1	\$97.14	\$97.14	0	0
	Utility Gaskets	1	\$18.63	\$18.63	1.123565982	1.123565982
	MHR Shop Fee	1	\$19.37	\$19.37	0	0
	NGAT	1	\$45.82	\$45.82	0	0
	NGAT R&R	1	\$0.00	\$0.00		
	Appliance R&R	1	\$7,875.00	\$7,875.00		
9084835729	Direct Costs	1	\$74.28	\$74.28	0	0
	Energy Education	1	\$110.41	\$110.41	0	0
	Marketing & Assessment	1	\$11.04	\$11.04	0	0
	Attic Access Weatherstrip	1	\$35.32	\$35.32	0.95041769	0.95041769
	Caulking	1	\$91.88	\$91.88	1.116363636	1.116363636
	Doors Weather strip	2	\$86.92	\$173.84	1.165255474	2.330510948
	Duct Assessment - Gas	1	\$0.00	\$0.00		
	Utility Gaskets	1	\$18.63	\$18.63	1.123565982	1.123565982
	Water Heater Blanket	1	\$62.08	\$62.08	0.49	0.49
	NGAT	1	\$45.82	\$45.82	0	0
9084827385	Direct Costs	1	\$74.28	\$74.28	0	0
	Energy Education	1	\$110.41	\$110.41	0	0
	Marketing & Assessment	1	\$11.04	\$11.04	0	0
	Attic Access Weatherstrip	1	\$35.32	\$35.32	0.95041769	0.95041769
	Caulking	1	\$91.88	\$91.88	1.116363636	1.116363636

PY 2019 Therm Savings						
PID	Measure Name	QTY	Unit Price	Total	Therm Savings	Total Therm Savings
	Doors Weather strip	2	\$86.92	\$173.84	1.165255474	2.330510948
	Duct Assessment - Gas	1	\$0.00	\$0.00		
	Showerheads - Gas	2	\$39.72	\$79.44	6.42	12.84
	Thermostatic Valve - Gas	2	\$21.54	\$43.08	1.71	3.42
	Utility Gaskets	1	\$18.63	\$18.63	1.123565982	1.123565982
	MHR Shop Fee	1	\$19.37	\$19.37	0	0
	Wall Repair - Interior	5	\$9.45	\$47.25	0.422548853	2.112744265
	NGAT	1	\$45.82	\$45.82	0	0
9115955352	Direct Costs	1	\$74.28	\$74.28	0	0
	Energy Education	1	\$110.41	\$110.41	0	0
	Marketing & Assessment	1	\$11.04	\$11.04	0	0
	Caulking	1	\$91.88	\$91.88	1.116363636	1.116363636
	Doors Weather strip	3	\$86.92	\$260.76	1.165255474	3.495766422
	Duct Assessment - Gas	1	\$0.00	\$0.00		
	Duct Test - Gas	1	\$97.14	\$97.14	0	0
	Utility Gaskets	1	\$18.63	\$18.63	1.123565982	1.123565982
	CVA	1	\$33.12	\$33.12	0	0
	MHR Shop Fee	1	\$19.37	\$19.37	0	0
	NGAT	1	\$45.82	\$45.82	0	0
9188256366	Direct Costs	1	\$74.28	\$74.28	0	0
	Energy Education	1	\$110.41	\$110.41	0	0
	Marketing & Assessment	1	\$11.04	\$11.04	0	0
	Attic Access Weatherstrip	1	\$35.32	\$35.32	0.95041769	0.95041769
	Caulking	1	\$91.88	\$91.88	1.116363636	1.116363636
	Doors Weather strip	2	\$86.92	\$173.84	1.165255474	2.330510948
	Duct Assessment - Gas	1	\$0.00	\$0.00		
	Duct Test - Gas	1	\$97.14	\$97.14	0	0
	Utility Gaskets	1	\$18.63	\$18.63	1.123565982	1.123565982
	MHR Shop Fee	1	\$19.37	\$19.37	0	0
	NGAT	1	\$45.82	\$45.82	0	0
4329049730	Direct Costs	1	\$74.28	\$74.28	0	0
	Energy Education	1	\$110.41	\$110.41	0	0
	Marketing & Assessment	1	\$11.04	\$11.04	0	0
	Duct Assessment - Gas	1	\$0.00	\$0.00		
	Faucet Aerators - Gas	2	\$11.33	\$22.66	0.86	1.72
	Showerheads - Gas	2	\$39.72	\$79.44	6.42	12.84
	Thermostatic Valve - Gas	2	\$21.54	\$43.08	1.71	3.42

PY 2019 Therm Savings						
PID	Measure Name	QTY	Unit Price	Total	Therm Savings	Total Therm Savings
9271946539	Direct Costs	1	\$74.28	\$74.28	0	0
	Energy Education	1	\$110.41	\$110.41	0	0
	Marketing & Assessment	1	\$11.04	\$11.04	0	0
	Attic Access Weatherstrip	1	\$35.32	\$35.32	0.95041769	0.95041769
	Caulking	1	\$91.88	\$91.88	1.116363636	1.116363636
	Doors Weather strip	1	\$86.92	\$86.92	1.165255474	1.165255474
	Duct Assessment - Gas	1	\$0.00	\$0.00		
	Duct Test - Gas	1	\$97.14	\$97.14	0	0
	Utility Gaskets	1	\$18.63	\$18.63	1.123565982	1.123565982
	MHR Shop Fee	1	\$19.37	\$19.37	0	0
	NGAT	1	\$45.82	\$45.82	0	0
	NGAT R&R	1	\$0.00	\$0.00		
	Appliance R&R	1	\$7,350.00	\$7,350.00		
6262079931	Direct Costs	1	\$74.28	\$74.28	0	0
	Energy Education	1	\$110.41	\$110.41	0	0
	Marketing & Assessment	1	\$11.04	\$11.04	0	0
	Caulking	1	\$91.88	\$91.88	1.116363636	1.116363636
	Doors Weather strip	2	\$86.92	\$173.84	1.165255474	2.330510948
	Duct Assessment - Gas	1	\$0.00	\$0.00		
	Faucet Aerators - Gas	2	\$11.33	\$22.66	0.86	1.72
	Utility Gaskets	1	\$18.63	\$18.63	1.123565982	1.123565982
	Cover Plates Repl	1	\$18.63	\$18.63	1.086985646	1.086985646
	MHR Shop Fee	1	\$19.37	\$19.37	0	0
	NGAT	1	\$45.82	\$45.82	0	0
9198529098	Direct Costs	1	\$37.14	\$37.14	0	0
	Energy Education	1	\$55.21	\$55.21		
	Marketing & Assessment	1	\$5.52	\$5.52	0	0
	Caulking	1	\$91.88	\$91.88	1.116363636	1.116363636
	Doors Weather strip	1	\$86.92	\$86.92	1.165255474	1.165255474
	Duct Assessment - Gas	1	\$0.00	\$0.00		
	Utility Gaskets	1	\$18.63	\$18.63	1.123565982	1.123565982
	MHR Shop Fee	1	\$19.37	\$19.37	0	0
NGAT	1	\$45.82	\$45.82	0	0	
3410274765	Direct Costs	1	\$74.28	\$74.28	0	0
	Energy Education	1	\$110.41	\$110.41	0	0
	Marketing & Assessment	1	\$11.04	\$11.04	0	0
	Attic Access Weather strip	1	\$35.32	\$35.32	0.95041769	0.95041769
	Attic Insulation	1216	\$1.68	\$2,042.88		
	Caulking	1	\$91.88	\$91.88	1.116363636	1.116363636

PY 2019 Therm Savings						
PID	Measure Name	QTY	Unit Price	Total	Therm Savings	Total Therm Savings
	Doors Weather strip	2	\$86.92	\$173.84	1.165255474	2.330510948
	Duct Assessment - Gas	1	\$0.00	\$0.00		
	Duct Test - Gas	1	\$97.14	\$97.14	0	0
	Utility Gaskets	1	\$18.63	\$18.63	1.123565982	1.123565982
	MHR Shop Fee	1	\$19.37	\$19.37	0	0
	NGAT	1	\$45.82	\$45.82	0	0
3253890947	Direct Costs	1	\$74.28	\$74.28	0	0
	Energy Education	1	\$110.41	\$110.41	0	0
	Marketing & Assessment	1	\$11.04	\$11.04	0	0
	Attic Access Weathertrip	1	\$35.32	\$35.32	0.95041769	0.95041769
	Caulking	1	\$91.88	\$91.88	1.116363636	1.116363636
	Doors Weather strip	1	\$86.92	\$86.92	1.165255474	1.165255474
	Duct Assessment - Gas	1	\$0.00	\$0.00		
	Utility Gaskets	1	\$18.63	\$18.63	1.123565982	1.123565982
	Water Heater Blanket	1	\$62.08	\$62.08	0.49	0.49
	MHR Shop Fee	1	\$19.37	\$19.37	0	0
	NGAT	1	\$45.82	\$45.82	0	0
9208819561	Direct Costs	1	\$74.28	\$74.28	0	0
	Energy Education	1	\$110.41	\$110.41	0	0
	Marketing & Assessment	1	\$11.04	\$11.04	0	0
	Caulking	1	\$91.88	\$91.88	1.116363636	1.116363636
	Doors Weather strip	2	\$86.92	\$173.84	1.165255474	2.330510948
	Duct Assessment - Gas	1	\$0.00	\$0.00		
	Duct Test - Gas	1	\$97.14	\$97.14	0	0
	Utility Gaskets	1	\$18.63	\$18.63	1.123565982	1.123565982
	NGAT	1	\$45.82	\$45.82	0	0
	Total Therm Savings					75.37197281

**Leveraged prices assumed in table above for Education Measures; Direct Costs, Energy Education, and Marketing & Assessment.*