

December 6, 2021

Megan Decker, Chair, Oregon Public Utility Commission  
Scott Cooper, President, Community Action Partnership of Oregon  
Janet Merrell, Executive Director, Community Action Partnership of Oregon  
Lori Blattner, Director, Regulatory Affairs, Cascade Natural Gas Corporation

SUBJECT: Call to reform or terminate the Cascade Natural Gas Oregon Low Income Energy Conservation (OLIEC) program and Conservation Achievement Tariff (CAT).

This correspondence is a request that the staff of the Oregon Public Utility Commission (OPUC) and Cascade Natural Gas (CNG, Cascade) enter discussions of either: a) developing an alternate program delivery mechanism for the failed OLIEC/CAT program, or b) terminating the program. This long-lived program, which had demonstrated year-over-year success in the past, has deteriorated over the past three years into an inactive program which produced ZERO results during its most recent program year.

I do not come to this conclusion lightly. I was directly involved in the creation of the OLIEC program in 2006 while employed by Community Action Partnership of Oregon (CAPO) and, for nearly three years, helped guide the program to its initial success. While employed by CNG from 2009 until my retirement in 2018, I administered this program on behalf of the utility and was instrumental in the development of the CAT overlay. In many ways, the OLIEC/CAT program was my baby.

After providing whole-home weatherization services to an average of over 50 low income households per year for 14 consecutive years, the five Community Action Agencies (CAA) that deliver the program recorded a total of ZERO completions in their most recent program year, ONE completion for the previous program year, and THREE completions the year before that! This delivery failure stands in stark contrast to the relatively consistent level of completions achieved through NW Natural's Oregon Low Income Energy Efficiency program (OLIEE) which is modeled, with some modifications, on the CAT program.

In discussions with CNG and OPUC staff in regards to this failure to produce results, the five partner CAA's contend that there may not be low income homes heated with natural gas in need of weatherization service in their combined, expansive, service coverage area which encompasses 14 of the 18 Oregon counties east of the Cascades. This egregious rationalization is preposterous. Cascade correctly demonstrated the fallacy of this excuse through the AEG analysis which accompanies CNG's program year (PY) 2020-2021 program report. I note that Cascade's Oregon Low Income Bill Assistance (OLIBA) program has no difficulty identifying and serving hundreds of low income households with needed natural gas utility bill assistance each program year. As if more evidence is needed, attached is a copy of a recent report from the Oregon Center for Public Policy; "A Portrait of Poverty", August 7, 2020.

There are numerous other bureaucratic and administrative reasons for this weatherization program delivery failure that are common to all Oregon CAAs. Brevity prevents me from highlighting them in this transmittal. Interestingly, the five eastside agencies seem to have succumbed to them. One need look no further than to compare the recent output of the eastside Oregon CAAs with that of the westside Oregon CAAs, utilizing what could be characterized as a sister program: The NW Natural Oregon Low Income Energy Efficiency (OLIEE) program.

NW Natural's CAA partners have had no problem delivering the OLIEE program in recent years. Below are OLIEE completion numbers for four of the last five OLIEE program years. The most recent data (PY 2020-21) will be made available to the OPUC by the end of this month

NW Natural OLIEE Natural Gas Weatherization Completions

PY 2016-2017:	260
PY 2017-2018:	299
PY 2018-2019:	260
PY 2019-2020:	248
PY 2020-2021:	TBD

The eastside agencies have been weatherizing homes in recent years --- **just not natural gas-homes**. The westside agencies seem to be able to do both. Below is an *understated* total number of homes weatherized using funds from the following sources: DOE/WAP, ECHO, LIHEAP-WX and BPA. This total is understated as it does not include completions from Community in Action. It should also be noted that not all of these completions were in areas served by Cascade.

EASTSIDE AGENCY NON-GAS WEATHERIZATION COMPLETIONS

July 1, 2019 to June 30, 2020

Community Action Program of East Central Oregon:	36 homes
Community Connection of NE Oregon:	21 homes
NeighborImpact:	119 homes
Oregon Human Development Corporation:	<u>55 homes</u>
Total	231 homes

Cascade has done an admirable job with this program over the years energizing the agencies to begin the utilization of the program, responding quickly to the increased production and resource utilization during the American Recovery and Reinvestment Act (ARRA) years, and developing the CAT overlay in response to agency requests to level the playing field with other low income weatherization programs available to them. However, OLIEC/CAT has devolved into a waste of time for Cascade and OPUC staff, and is now an underutilization of customer funds. Sadly, Cascade and OPUC staff have already taken the time and put in the effort to assign ratepayer funds in preparation for achieving weatherization completions of approximately 54 homes in the current program year (PY 2021-22). Laughable.....

After fifteen years of trial, success, and now collapse, it is time for Cascade and OPUC staff, and possibly representatives from the Energy Trust of Oregon (ETO), in conjunction with the development of a moderate income weatherization program, to initiate serious discussions into the future of OLIEC/CAT. These discussions would be most timely as we are now entering the third month of PY 2021-2022. My recommendation would be to focus on non-CAA, direct service option including client acquisition, auditing, measure installation and final inspection. With regard to client acquisition, it should be remembered that a large number of Cascade's Oregon customers qualify for assistance through the OLIBA program each year; 260 customers during PY 2020-21 alone. Customers receiving OLIBA payments are eligible for low income weatherization. Could it be that a number of them might be interested in having their homes weatherized?

For whatever reason, the five eastside agencies have not supported the OLIEC/CAT program as their westside associate agencies have the OLIEE program. It's time for Cascade and the OPUC to *quickly* work collaboratively to either remedy this situation with a new program delivery design or eliminate the program altogether and work to find alternate ways to assist low income customers.

That said there certainly could be room for a continued CAA weatherization presence alongside a new alternate delivery model. Further, agency completions under the existing OLIEC/CAT program during PY 2021-22 would be most welcome by the Company and by the low income customers affected.

It also goes without saying that Cascade should continue to fund and support the Oregon Low Income Bill Assistance program and make sure sufficient funds are available for bill assistance in these years of increasing natural gas rates.

If it turns out that a workable alternative to the CAA-only delivery model cannot be developed, then surplus OLIEC/CAT funds should be refunded to ratepayers to help offset increasing natural gas rates, and OLIEC/CAT program operations ceased.

Thank you for your attention

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Attachments:

PY 2020-21 OLIEC-CAT Annual Report  
PY 2020-21 OLIBA Annual Report  
NW Natural's OLIEE Program Annual Report 2019-2020  
Weatherization-Quarterly-Data-Report-July-1-2019-to-June-30-2020  
Oregon Center for Public Policy 2020, Poverty-SWO-fnl



e-FILING REPORT COVER SHEET

COMPANY NAME: Cascade Natural Gas Corporation

DOES REPORT CONTAIN CONFIDENTIAL INFORMATION?  No  Yes If yes, submit a redacted public version (or a cover letter) by email. Submit the confidential information as directed in OAR 860-001-0070 or the terms of an applicable protective order.

Select report type:  RE (Electric)  RG (Gas)  RW (Water)  RT (Telecommunications)  
 RO (Other, for example, industry safety information)

Did you previously file a similar report?  No  Yes, report docket number: RG-7

Report is required by:  OAR  
 Statute  
 Order

Note: A one-time submission required by an order is a compliance filing and not a report (file compliance in the applicable docket)

Other CNGC Tariff P.U.C. OR 10, Schedule 33  
(For example, federal regulations, or requested by Staff)

Is this report associated with a specific docket/case?  No  Yes, docket number: RG-7

List Key Words for this report. We use these to improve search results.

Send the completed Cover Sheet and the Report in an email addressed to [PUC.FilingCenter@state.or.us](mailto:PUC.FilingCenter@state.or.us)

Send confidential information, voluminous reports, or energy utility Results of Operations Reports to PUC Filing Center, PO Box 1088, Salem, OR 97308-1088 or by delivery service to 201 High Street SE Suite 100, Salem, OR 97301.





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November 30, 2021

Oregon Public Utility Commission  
Attn: Records Center  
P.O. Box 1088  
Salem, Oregon 97308-1088

**Re: RG-7, Cascade Natural Gas Corporation Oregon Low-Income Energy Conservation (OLIEC) and Conservation Achievement Tariff (CAT) Annual Report for Program Year 2020-2021.**

In accordance with Schedule 33 in Cascade Natural Gas Corporation's (Cascade) Tariff P.U.C. OR. 10, Cascade files its Oregon Low-Income Energy Conservation and Conservation Achievement Tariff programs annual report for the 2020-2021 program year.

Please contact Alyn Spector at (206) 310-1120 with any questions or concerns you may have.

Sincerely,

*/s/ Lori Blattner*

Lori Blattner  
Director, Regulatory Affairs  
Cascade Natural Gas Corporation  
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Kennewick, WA 99336-7166  
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Attachments

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## Cascade Natural Gas Corporation's Oregon Low Income Energy Conservation Program Annual Report for Program Year October 1, 2020 through September 30, 2021

This annual report covers both the Oregon Low Income Energy Conservation (OLIEC or Weatherization) program and the Conservation Achievement Tariff (CAT). The OLIEC program is Cascade's long-standing Oregon low-income weatherization program. The CAT bridges the gap between rebates derived from the avoided cost of natural gas and the total installed cost of eligible weatherization work.

### **Public Purpose Charge**

Since May 2006, Cascade Natural Gas Corporation (Cascade or the Company) has collected public purpose funds to reduce the energy burden of low-income homeowners and renters in its Oregon service territory by providing them weatherization and bill assistance services. The funding is collected through a Public Purpose Charge (PPC) applied to residential, commercial, and core industrial customers' bills. As part of a settlement agreement adopted in Docket UG 287, effective February 1, 2016, all program funding comes from the PPC.

PPC monies are collected monthly to fund the weatherization efforts of the Community Action Agencies serving qualified low-income households. Interest accruals to the PPC account were discontinued in January of 2019 and the account was modified to a balancing account versus a pure deferral account (UM 1980). This helps prevent funds from accruing at a rate that exceeded monthly Agency expenditures. This change was made to Agencies (CAAs or Agencies) in Cascade's service area. All monies are held in a dedicated account and are provided to the CAAs upon completion of rebate-qualified energy efficiency improvements.

During PY 2020-21, the Company continued to follow Staff's recommendation to collect and expend a maximum of **0.625%** of gross revenues on an annual basis for the low-income weatherization programs. This cap has been in place since the implementation of a permanent CAT program in PY 2016-17. The limit was chosen as a close equivalent to the electric utilities' collections for low-income weatherization plus a 0.025% premium for the higher costs of serving rural areas.

The PUC-approved funding methodology resulted in a combined PY 2020-21 OLIEC and CAT budget of **\$416,741**. Due to an excess of funds in the OLIEC/CAT account for the program year, annual PPC collections were switched to "negative deposits" in the amount of **-\$54,180.68**. Funds resulting from these deposits were transferred to Cascade's OR low-income bill assistance account. The OLIEC/CAT account ended PY 2020-21 with a balance of **\$433,031**, which included a **\$10,830** admin adjustment to balance a previously recorded payment for Project 19-02 to NeighborImpact.

The Company anticipates a combined PY 2021-22 budget of **\$433,567**, reflecting the formula recommended by Staff.

### **Overview of the 2020-2021 Program Year**

Cascade has completed the fifteenth year of its Oregon Low Income Energy Conservation program. OLIEC is designed to increase energy efficiency in low-income households within Cascade's Oregon service area by providing rebates for the installation of select weatherization and conservation

**Cascade Natural Gas Corporation's Oregon Low Income Energy Conservation Program**  
Annual Report for Program Year October 1, 2020 through September 30, 2021

measures following the completion of a home energy evaluation performed by a qualifying Low-Income, 501c3 organization or a CAA. The rebates are based on the Company's most recently acknowledged avoided cost of natural gas. The OLIEC program provides incentives for ten specific measures. In addition to the OLIEC rebates, agencies receive an additional \$225 for administrative and direct program costs incurred.

The CAT overlay provides a complementary mechanism for the total rebate for installing each measure to cover 100 percent of the cost of each measure. In total, agencies can receive rebates of up to 100 percent of the cost of installing OLIEC-qualified measures plus \$225 for their associated administrative and direct program costs. The program also provides a flat fee of \$550 for an audit and \$300 for an inspection of a dwelling treated under the CAT. Total funds per an OLIEC and CAT project are capped at \$10,000.

Under the OLIEC Program, CAAs installing qualifying energy efficiency measures for Cascade's Oregon low-income customers are reimbursed according to a schedule of incentive payments based on Cascade's avoided costs as stated in Schedule 33, Oregon Low-Income Energy Conservation Program. Cascade's participating agencies include:

- NeighborImpact, serving Cascade customers in the Bend/Redmond/Prineville Area
- Community Action Program East Central Oregon (CAPECO), serving Cascade customers in the Pendleton/Umatilla Area
- Community Connection of NE Oregon (CCNO), serving Cascade customers in Baker City
- Community In Action (CINA) serving Cascade customers in Malheur County; and
- Oregon Human Development Corporation (OHDC) serving Cascade customers in Northern Klamath County.

The OLIEC (non-CAT) portion of the Company's weatherization program is designed to provide reimbursements scaled to the current avoided costs of natural gas. However, the rebates associated with the OLIEC program are not intended to meet the Agency's entire cost of installing approved energy efficiency measures. This differs from Cascade's Enhanced Weatherization Incentive Program (EWIP) in Washington State, which is designed to cover the total installed cost of weatherization work performed on behalf of Cascade customers, including a program coordination fee of 15% of total project cost billed to the Company, and an additional agency indirect rate of 10% of the total project cost billed to the Company.

Cascade worked with the Agencies, Staff, and other key stakeholders to develop the CAT mechanism as a means of meeting the unique challenges of low-income natural gas weatherization. The CAT was introduced to bridge the gap between what could be covered under the parameters of the traditional OLIEC program, and the full cost incurred by the Agency delivering weatherization services to natural gas customers of Cascade Natural Gas. However, barriers to full program participation remain significant and the Company will explore alternative delivery methods for OLIEC/CAT monies in PY 21-22.

In program year **PY 2020-21**, **zero** households received weatherization services through OLIEC/CAT. In the previous program year, only a single home was served, resulting in a total savings of **346** therms. The ending balance for **PY 2020-21** was **\$433,031**. This reflects redirected funding to bill

**Cascade Natural Gas Corporation's Oregon Low Income Energy Conservation Program**  
Annual Report for Program Year October 1, 2020 through September 30, 2021

assistance, along with a second adjustment associated with Project 19-02 in the amount of **\$10,830**, accounting for an over-correction from the previous year.

Cascade and PUC Staff have reached out to the agencies and representatives serving low-income communities in Oregon to determine barriers to participation. Feedback from Agencies indicated that there may not be weatherization-qualified natural gas homes in need of service. In order to better understand the population of income-qualified natural gas households, the Company partnered with AEG in Summer of 2021 to conduct analysis on low and near-low income customers in Cascade's Oregon service area. The resultant data and reporting from AEG's analysis can be found as attachments to this report.

For the purpose of the analysis conducted by AEG, low-income was defined as 200% of federal poverty level (FPL). This income qualification is compatible with the qualifying income level of Oregon's Low Income Weatherization Assistance Program. Moderate income was defined as above 200% of FPL, but below median state income. To determine where these households were located, address data from Cascade residential accounts was mapped to corresponding geographic blocks in the census data. Each block was then processed to analyze average household size and income, producing a distribution of households into income categories where Cascade customers reside.

Low-income households were calculated as representing 18% of all Cascade customers in Oregon. Moderate income households represented an additional 36% of Cascade's residential customer base in the state. In total, this means that over half of Cascade's customers are below median income. This significant finding suggests an existing base of customers that could benefit from Weatherization or other low and near low-income energy efficiency services. Understanding how to serve these households begins with an assessment of the building stock these customers occupy.

Low income households in Cascade's service area were identified as having the oldest housing stock, with the average year of construction being 1958. Moderate income households appeared to reside in the newest housing stock, with the average construction year being 1969. Households above median income resided, on average, in homes built in 1961. Interestingly, low-income customers were also identified as having the lowest therm usage within Cascade's service area, followed by moderate income, then households above median income.

AEG anticipates that differences in gas use per household correlate with differences in average home size. However, home size and building shell alone do not account for all the intensity differences. It was also noted that overall insulation and infiltration levels appear similar between income levels. This suggests that there could be additional factors at play such as lower income households heating less of their home, or otherwise limiting their energy consumption below comfortable levels in order to manage household expenses.

In addition to gaining a better understanding of energy intensity and building stock by income, AEG also was able to develop a heat map of low and near-low income populations by concentration across Cascade's service area. Findings indicate varied distribution between the more and less rural areas served by the Company. These maps are available as Exhibit D to this report. Cascade intends to utilize the low and near-low income data identified by AEG to better understand how to reach both low and moderate income customers in need of energy efficiency services.

## **Cascade Natural Gas Corporation's Oregon Low Income Energy Conservation Program**

### **Annual Report for Program Year October 1, 2020 through September 30, 2021**

As of Fall 2021, the Company has held preliminary meetings with the Energy Trust of Oregon, and has shared AEG's findings as part of a discussion on how near-low income customers can be reached by existing Energy Trust services. The Company also intends to meet with PUC Staff, the Energy Trust, and its Low Income agencies to discuss tariff revisions that allow more flexible delivery of energy efficiency services to economically vulnerable households. Cascade may also consider aligning the OLIEC program closer to the Company's E-WIP program if deemed appropriate by Oregon regulators. Other options may include adjusting the tariff to allow funding for non-weatherization projects that increase the energy efficiency of natural gas households on a pre-approved basis.

Whole-home weatherization remains a priority, and the low-income agencies that currently qualify under the tariff would retain first right of refusal to OLIEC/CAT monies. However, due to program inactivity over the last several years, the Company believes opening the program to other forms of efficiency activities and additional non-profits delivering energy efficiency services to low-income households is essential to ensuring the accruing OLIEC/CAT funds are invested in communities, rather than sitting unspent in an account.

#### **Customer Eligibility**

The agencies performing weatherization services use the same income eligibility requirements as the Low-Income Home Energy Assistance Program (LIHEAP). Customers are eligible for assistance through the OLIEC program if they are owners or renters of a single-family home that uses natural gas as the primary space heating fuel and if their household income does not exceed 60% of Oregon's median income, or other income threshold guidelines followed by federal low-income weatherization programs. Duplexes, triplexes and four-plex apartments qualify for OLIEC if residents of at least half the units in the structure meet the income qualification test.

The OLIEC/CAT program provides additional funding to supplement existing funding provided by low-income weatherization programs governed by federal and state authorities. These existing programs give preference to homes occupied by the elderly, the disabled and to low-income households with children ages 6-years and younger. Under its current structure, the CAT also enables the Company to fund weatherization efforts performed by CAPs and other low-income 501c3 agencies (described below) at 100% of their cost up to the cost-effective limit. This adaptation of the CAT has proven essential to clearing a path forward to ensure low-income households in Cascade's service area receive essential weatherization services and allows greater programmatic flexibility while ensuring stringent standards of safety and quality are maintained.

#### **Dispersal of Funding and Participation by Agency**

Participating Agencies have access to weatherization monies that accrue in a Cascade-held account which is funded based on the total funding provided by Oregon Housing and Community Services (OHCS) under the LIHEAP program within Cascade's service territory. Cascade has the discretion to revise the allocation during the year if the Company believes an alternative allocation is a more effective and efficient use of the available funds. The program also has the discretion to transfer funds between agencies, as needed. The PY 2020-21 allocations were:

**Cascade Natural Gas Corporation's Oregon Low Income Energy Conservation Program**  
Annual Report for Program Year October 1, 2020 through September 30, 2021

NeighborImpact	30.6%
CCNO	19.4%
CAPECO	29.0%
CINA	19.0%
OHDC	2.0%

Actual Agency accomplishments for PY 2020-21 were 0 homes served, so no additional breakout by agency has been provided in this year's report.

**Payment Process**

Each Agency completes and returns Cascade's rebate application forms. The rebate amounts are calculated based on the deemed savings per measure published in the Company's Tariff Sheet No. 33. Additional measure funding is covered through the CAT mechanism in accordance with Schedule 33 in the Company's Tariff. The rebate form is initially signed by the Agency representative and sent to Cascade along with all the receipts, invoices, and the energy savings analysis. The Energy Efficiency and Community Outreach department next reviews each rebate application form to ensure all paperwork is correct and valid. Finally, the approved form goes to the Accounting department for payment to the appropriate Agency at which time the Agency's fund balance is reduced.

With the introduction of CAT, the Company initiated an electronic funds transfer mechanism which provides funds much more quickly to the Agencies. The intent of this modification, developed at agency request, is to enable the Agencies to have the funds in hand prior to paying the contractor's invoice on each qualified OLIEC job.

**Designated Fund for Additional CAP Agency and Other 501c3 Agencies Energy Efficiency Efforts**

As included in the OLIEC tariff effective on January 20, 2010, Cascade was allowed to designate \$25,000 of the OLIEC program funds for use by CAAs and 501c3 non-profit agencies for reimbursement of the installation costs of selected energy efficiency measures (high efficiency gas furnaces and water heaters and construction to ENERGY STAR<sup>®</sup> standards) and custom low-income energy efficiency projects (where preference would be given to measures that would qualify for rebate in similar projects offered through Energy Trust of Oregon (Energy Trust)).

To date, no reimbursements have been made from this designated fund. The primary problem Cascade has encountered with the utilization of these funds is that Agencies performing this type of work are already connected to the Energy Trust. In the same sense that low-income households would qualify for either the standard incentives available to all customers on a qualified rate schedule or the income-specific rebates designed to facilitate more substantial conservation services; the 501c3 agencies also have the choice of participating through the low-income specific program with higher reimbursement levels or receiving a rebate from Energy Trust. It should be noted the funds for both programs are provided through the same source: Cascade customers. Since either program enables Cascade to count therm savings toward annual goals, the Company is neutral as to which source of funding the low-income agencies pursue. That being said, the low-income program was specifically designed as an opportunity to provide *greater* funding to best serve Cascade's vulnerable populations.

## Cascade Natural Gas Corporation's Oregon Low Income Energy Conservation Program Annual Report for Program Year October 1, 2020 through September 30, 2021

The Company has discussed these challenges with PUC Staff and the Energy Trust and looks forward to continuing discussions in PY 21-22 on how to reconcile their new construction program serving non-profit entities with the language in Cascade's tariff. It's likely that the compatibility of these programs can be resolved as part of the tariff changes and coordination efforts discussed earlier in this report.

### Program Results

The OLIEC program received no uptake from qualified weatherization agencies in 2020-21, and only 1 household was served the previous year.

Based on the anticipated PY 2021-22 funding level of **\$433,567**, and the current per-project measure cost average of **~\$8,000**, the Company estimates that approximately **54** homes could be served this coming year. However, it's unlikely the Agencies will utilize these funds unless significant changes are made to the design of the weatherization program. As stated earlier, Cascade plans to meet with PUC Staff and other key stakeholders to determine how to best reach low-income customers in light of continued barriers to participation.

Accompanying this report are the following four exhibits that will provide further insights into program performance for both OLIEC and CAT:

- Exhibit A summarizes the results of the program for each year of the OLIEC program beginning with Program Year 18-19.
- Exhibit B displays the monthly financial metrics for the OLIEC / CAT program beginning with Program Year 18-19, and reflects the cumulative non-PPC admin adjustment of \$40,945.47 for program-related administrative expenses charged to general Cascade admin as described on page 9 of the PY 18-19 annual report.
- Exhibit C displays data relating to the numbers of measures installed through the OLIEC/ CAT program and the resulting predicted therm savings for each measure and each year of operation.
- Exhibit D shares the AEG findings regarding low and near-low income populations in Cascade's Oregon service area.

The format of the first three exhibits to this report have been refreshed for PY 2021. All previous reporting data is available as part of previous years' reports and has also been archived by the Company for PUC review. However, as of the PY 2020-21 report, the Company has narrowed the scope of reporting to the last 3 program years.

### Year-End Balance

At the end of PY 2020-21, the program account had a balance of **\$433,030.64** as opposed to **\$476,380.94** at the end of PY 2019-20. If funds remain unspent in the coming program year, the

**Cascade Natural Gas Corporation's Oregon Low Income Energy Conservation Program**  
Annual Report for Program Year October 1, 2020 through September 30, 2021

Company will continue to redirect weatherization monies to bill assistance, or return surplus funds beyond those designated for weatherization back to Cascade customers.

**Program Outreach**

Ongoing emails and discussion took place in Program Year 2020-21. The Company intends to engage with its Agencies, the Energy Trust and PUC staff in the coming PY to explore how to restructure the program to better direct funds to benefit energy efficiency in low-income gas households.

**Conclusion**

PY 2020-21 has demonstrated the resounding need for new approaches to serving low-income gas households. Cascade will begin by revisiting the tariff design and limitations to program funding per-project which may be inhibiting participation in more rural areas. The Company will also look towards alternative models to direct funds on a per-project basis for non-weatherization services that reduce energy consumption in income-qualified natural gas households.



**Cascade Natural Gas Corporation**  
**OLIEC Annual Report for 2020-21 Program Year**  
**Exhibit A**  
**Summary of Annual Program Results**  
**Oregon Low Income Conservation Program including Conservation Achievement Tariff**

	2018 to 2021	2020-21	2019-20	2018-19
<b>Number of Customers Served</b>	4	0	1	3
<b>Average Rebate per Project (excluding Admin and Prog Delivery)</b>	\$ 8,031.43	\$0.00	\$ 8,095	\$ 8,010
<b>Revenues</b>				
Balance from Prior Year		\$ 476,381	\$ 415,110	\$ 58,195
Prior Period Adjustments				\$ 40,945
Program Revenue	\$ 368,171	\$ (54,181)	\$ 81,271	\$ 341,080
Accrued Interest	\$ 2,696	\$ -	\$ -	\$ 2,696
<b>Total Available Funds</b>	<b>\$ 370,866</b>	<b>\$ 422,200</b>	<b>\$ 496,381</b>	<b>\$ 442,916</b>
<b>Payments to Agencies</b>				
For Weatherization Measures	\$ 32,126	\$ -	\$ 8,094.62	\$ 24,031
For Administration*	\$ 900	\$ -	\$ 225	\$ 675
For CAT Program Delivery **	\$ 3,400	\$ -	\$ 850	\$ 2,550
CNGC Administration ***	\$ 550	\$ (10,830)	\$ 10,830	\$ 550
Adjustment for \$10k Cap	\$ -	\$ -	\$ -	\$ -
<b>Total Payments</b>	<b>\$ 36,976</b>	<b>\$ (10,830)</b>	<b>\$ 20,000</b>	<b>\$ 27,806</b>
<b>Ending Balance in OLIEC Account</b>		<b>\$ 433,031</b>	<b>\$ 476,381</b>	<b>\$ 415,110</b>

\*Administration includes \$225 OLIEC administration

\*\* CAT Program Delivery includes audit and inspection fees; \$10,830 in 2019-20, and removal in 2020-21 reflects accounting adjustment on payment for Project 19-02 to NeighborImpact

\*\*\* May represent admin expenses that cleared in GL in the current PY, but were incurred in the prior PY. In PY 19-20, this also represents an overpayment which hit the Company's GL in Feb 2020. Agency repayment will be represented in Exhibits A & B in the PY 20-21 report.

**Cascade Natural Gas Corporation**

Exhibit B

OLIEC Annual Report 2020-2021 Program Year

Monthly Program Revenue and Expenses, 2018-2021

Oregon Low Income Energy Conservation Program - Including Conservation Achievement Tariff

<b>Current Year Start Balance</b>
\$ 476,380.94
<b>Current Year End Balance</b>
433,030.64

CY 20-21 Rebate Payments	CY 20-21 Agency Admin.	CY 20-21 CNGC Admin.	CY 20-21 Adjustments for \$10k Cap	CY 20-21 Total PPC Funded Payment + Admin	Total Revenues CY 20-21
\$ -	\$ 10,830.38	\$ -	\$ -	\$ 10,830.38	\$ (54,180.68)

Total Rebate Payments 18-21	Total Agency Admin.	Total CNGC Admin.	Total Adjustments for \$10k Cap	Total PPC Funded Payment + Admin	Total Revenues 2018-21
\$ (24,031.28)	\$ 7,605.38	\$ 19,450.00	\$ -	\$ 3,024.10	\$ 368,170.57

2020-2021 Program Year					REVENUES						EXPENDITURES					
Month	Beginning Balance	Program Revenues	Interest Income	Total Revenue Balance	Rebates For Installed Measures	Total Agency Admin and P.D. Payments	CNG Admin	Adjustment for \$10K Cap	Total Expenditures	Ending Balance						
Oct-20	\$ 476,380.94	\$ (3,551.18)	\$ -	\$ 472,829.76	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 472,829.76						
Nov-20	\$ 472,829.76	\$ (6,397.68)	\$ -	\$ 466,432.08	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 466,432.08						
Dec-20	\$ 466,432.08	\$ (7,525.37)	\$ -	\$ 458,906.71	\$ -	\$ (10,830.38)	\$ -	\$ -	\$ (10,830.38)	\$ 469,737.09						
Jan-21	\$ 469,737.09	\$ (7,780.13)	\$ -	\$ 461,956.96	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 461,956.96						
Feb-21	\$ 461,956.96	\$ (8,226.88)	\$ -	\$ 453,730.08	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 453,730.08						
Mar-21	\$ 453,730.08	\$ (5,612.49)	\$ -	\$ 448,117.59	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 448,117.59						
Apr-21	\$ 448,117.59	\$ (3,667.55)	\$ -	\$ 444,450.04	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 444,450.04						
May-21	\$ 444,450.04	\$ (3,024.88)	\$ -	\$ 441,425.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 441,425.16						
Jun-21	\$ 441,425.16	\$ (1,852.94)	\$ -	\$ 439,572.22	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 439,572.22						
Jul-21	\$ 439,572.22	\$ (2,295.49)	\$ -	\$ 437,276.73	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 437,276.73						
Aug-21	\$ 437,276.73	\$ (1,776.58)	\$ -	\$ 435,500.15	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 435,500.15						
Sep-21	\$ 435,500.15	\$ (2,469.51)	\$ -	\$ 433,030.64	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 433,030.64						
program year activity		\$ -54,180.68	\$ 0.00		\$ -	\$ (10,830.38)	\$ -	\$ -	\$ (10,830.38)	\$ 433,030.64						

2019-2020 Program Year					REVENUES						EXPENDITURES					
Month	Beginning Balance	Program Revenues	Interest Income	Total Revenue Balance	Rebates For Installed Measures	Total Agency Admin and P.D. Payments	CNG Admin	Adjustment for \$10K Cap	Total Expenditures	Ending Balance						
Oct-19	\$ 415,109.58	\$ 28,951.90	\$ -	\$ 444,061.48	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 444,061.48						
Nov-19	\$ 444,061.48	\$ 37,090.11	\$ -	\$ 481,151.59	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 481,151.59						
Dec-19	\$ 481,151.59	\$ 45,344.87	\$ -	\$ 526,496.46	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 526,496.46						
Jan-20	\$ 526,496.46	\$ (8,000.28)	\$ -	\$ 518,496.18	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 518,496.18						
Feb-20	\$ 518,496.18	\$ (5,563.68)	\$ -	\$ 512,932.50	\$ -	\$ -	\$ 20,000.00	\$ -	\$ 20,000.00	\$ 492,932.50						
Mar-20	\$ 492,932.50	\$ (4,974.56)	\$ -	\$ 487,957.94	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 487,957.94						
Apr-20	\$ 487,957.94	\$ (2,903.81)	\$ -	\$ 485,054.13	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 485,054.13						
May-20	\$ 485,054.13	\$ (2,124.00)	\$ -	\$ 482,930.13	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 482,930.13						
Jun-20	\$ 482,930.13	\$ (1,780.99)	\$ -	\$ 481,149.14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 481,149.14						
Jul-20	\$ 481,149.14	\$ (1,491.64)	\$ -	\$ 479,657.50	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 479,657.50						
Aug-20	\$ 479,657.50	\$ (1,557.19)	\$ -	\$ 478,100.31	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 478,100.31						
Sep-20	\$ 478,100.31	\$ (1,719.37)	\$ -	\$ 476,380.94	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 476,380.94						
program year activity		\$ 81,271.36	\$ 0.00		\$ -	\$ -	\$ 20,000.00	\$ -	\$ 20,000.00	\$ 476,380.94						

2018-2019 Program Year					REVENUES						EXPENDITURES					
Month	Beginning Balance	Program Revenues	Interest Income	Total Revenue Balance	Rebates For Installed Measures	Total Agency Admin and P.D. Payments	CNG Admin	Adjustment for \$10K Cap	Total Expenditures	Ending Balance						
Oct-18	\$ 58,194.91	\$ 31,641.56	\$ 737.11	\$ 90,573.58	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 131,519.05						
Nov-18	\$ 131,519.05	\$ 50,453.65	\$ 843.19	\$ 182,815.89	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 182,815.89						
Dec-18	\$ 182,815.89	\$ 63,230.01	\$ 1,004.54	\$ 247,050.44	\$ -	\$ -	\$ (400.00)	\$ -	\$ (400.00)	\$ 246,650.44						
Jan-19	\$ 246,650.44	\$ 42,584.12	\$ 1,010.75	\$ 290,245.31	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 290,245.31						
Feb-19	\$ 290,245.31	\$ 43,107.50	\$ (900.00)	\$ 332,452.81	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 332,452.81						
Mar-19	\$ 332,452.81	\$ 35,169.82	\$ -	\$ 367,622.63	\$ (5,667.90)	\$ (1,075.00)	\$ -	\$ -	\$ (6,742.90)	\$ 360,879.73						
Apr-19	\$ 360,879.73	\$ 23,950.85	\$ -	\$ 384,830.58	\$ (9,755.38)	\$ (1,075.00)	\$ -	\$ -	\$ (10,830.38)	\$ 374,000.20						
May-19	\$ 374,000.20	\$ 11,169.89	\$ -	\$ 385,170.09	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 385,170.09						
Jun-19	\$ 385,170.09	\$ 11,504.75	\$ -	\$ 396,674.84	\$ (8,608.00)	\$ (1,075.00)	\$ -	\$ -	\$ (9,683.00)	\$ 386,991.84						
Jul-19	\$ 386,991.84	\$ 9,265.83	\$ -	\$ 396,257.67	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 396,257.67						
Aug-19	\$ 396,257.67	\$ 6,832.01	\$ -	\$ 403,089.68	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 403,089.68						
Sep-19	\$ 403,089.68	\$ 12,169.90	\$ -	\$ 415,259.58	\$ -	\$ -	\$ (150.00)	\$ -	\$ (150.00)	\$ 415,109.58						
program year activity		\$ 341,079.89	\$ 2,695.59		\$ (24,031.28)	\$ (3,225.00)	\$ (550.00)	\$ -	\$ (27,806.28)	\$ 415,109.58						

Cumulative non-PPC admin adjustment  
40,945.47

**Cascade Natural Gas Corporation**  
**OLIEC Annual Report for 2020-21 Program Year**  
**Exhibit C**  
**Program Summary**  
**Oregon Low Income Energy Conservation Program including Conservation Achievement Tariff**

Homes Served  
 Rebates & Agency Admin Per Home  
 Therms Saved Per Home

0					0
					NA
					NA
<b><u>2020-2021 Totals</u></b>					
# of Jobs	Therm Savings	OLIEC Dollars	CAT Dollars	Total Program	
0	- \$	- \$	- \$	- \$	-
0	- \$	- \$	- \$	- \$	-
0	- \$	- \$	- \$	- \$	-
0	- \$	- \$	- \$	- \$	-
0	- \$	- \$	- \$	- \$	-
0	- \$	- \$	- \$	- \$	-
0	- \$	- \$	- \$	- \$	-
0	- \$	- \$	- \$	- \$	-
0	- \$	- \$	- \$	- \$	-
0	- \$	- \$	- \$	- \$	-
0	- \$	- \$	- \$	- \$	-
0	- \$	- \$	- \$	- \$	-
0	- \$	- \$	- \$	- \$	-
0	- \$	- \$	- \$	- \$	-
	0	- \$	- \$	- \$	(10,830)
		-			\$ -
		0			\$ -
		(10,830)			\$ (10,830)

**Measures**  
 Ceiling  
 Floor  
 Wall  
 Duct Ins.  
 Duct Seal  
 Air Infiltration  
 H-E Furnace  
 Furnace Tune Up  
 H-E Space Heater  
 H-E Water Heater  
 Total Measures  
 CAP Admin & Prog. Del.  
 Adjustment for \$10 Cap  
 Payment Adjustment/Correction

					1
					\$ 9,170
					346
<b><u>2019-2020 Totals</u></b>					
# of Jobs	Therm Savings	OLIEC Dollars	CAT Dollars	Total Program	
1	32	\$ 376	\$ 2,161	\$ 2,536	
1	49	\$ 575	\$ 2,340	\$ 2,914	
1	76	\$ 884	\$ 2,171	\$ 3,055	
1	27	\$ 251	\$ 319	\$ 570	
1	77	\$ 730	\$ -	\$ 730	
1	13	\$ 120	\$ 580	\$ 700	
1	71	\$ 690	\$ 5,590	\$ 6,280	
0	-	\$ -	\$ -	\$ -	
0	-	\$ -	\$ -	\$ -	
0	-	\$ -	\$ -	\$ -	
0	-	\$ -	\$ -	\$ -	
7	346	\$ 3,625	\$ 13,161	\$ 9,170	
		1,075		\$ -	
		-7860.55		\$ -	
		(830)	\$ 4,700	\$ 13,161	\$ 9,170

					3
					\$ 9,085
					206
<b><u>2018-2019 Totals</u></b>					
# of Jobs	Therm Savings	OLIEC Dollars	CAT Dollars	Total Program	
2	72	\$ 836	\$ 4,869	\$ 5,705	
3	173	\$ 2,017	\$ 7,105	\$ 9,122	
2	128	\$ 1,491	\$ 3,257	\$ 4,748	
2	37	\$ 344	\$ 1,533	\$ 1,877	
1	77	\$ 810	\$ 45	\$ 855	
3	39	\$ 353	\$ 442	\$ 794	
1	71	\$ 690	\$ 145	\$ 835	
1	21	\$ 65	\$ 30	\$ 95	
0	-	\$ -	\$ -	\$ -	
0	-	\$ -	\$ -	\$ -	
15	618	\$ 6,606	\$ 17,425	\$ 24,031	
		\$ 675	\$ 2,550	\$ 3,225	
				\$ -	
		\$ 7,281	\$ 19,975	\$ 27,256	



# CNGC Oregon Low Income Customer Analysis



Date: June 30, 2021

Prepared For: Oregon Public Utilities Commission Staff



# Background

- ✔ In order to better serve all customers, and glean additional insights into Cascade's financially disadvantaged customers, Cascade requested analysis to identify and characterize low-income communities in their service territory.
- ✔ AEG developed the approach described below to leverage secondary data sources to provide deeper insight into Cascade's Oregon customer base by income level.
- ✔ AEG worked with Cascade to develop the definitions for low-income and moderate-income households used in this analysis:

HH Size	Low Income Threshold	Moderate Income Threshold
1	\$25,520	\$25,027
2	\$34,480	\$50,054
3	\$43,440	\$75,081
4	\$52,400	\$100,108
5	\$61,360	\$125,135
6	\$70,320	\$150,163
7	\$79,280	\$175,190
8	\$88,240	\$200,217

*Low income is based on 200% FPL;*

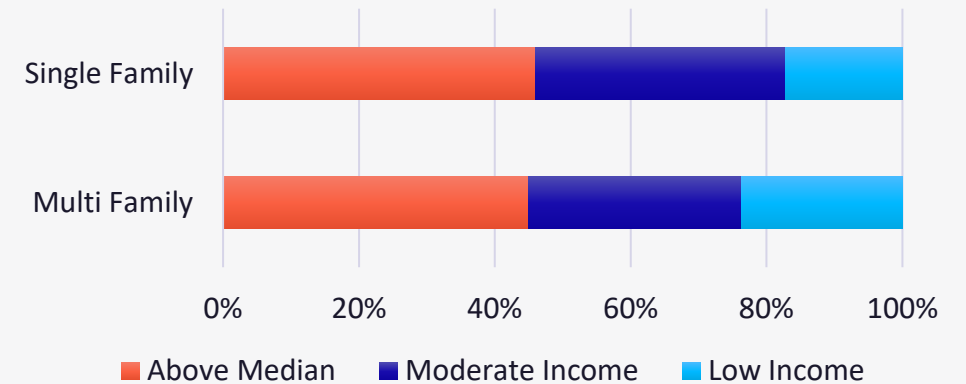
*Moderate income are customers > 200% FPL up to state median income*



# Part 1: US Census Analysis

- ✔ Address data from CNGC residential accounts was mapped back to corresponding geographic "blocks" in the census data.
- Each of these blocks was then processed to analyze average household size and income, producing a distribution of households into income buckets for places **where CNGC customers reside**. (see next slide)

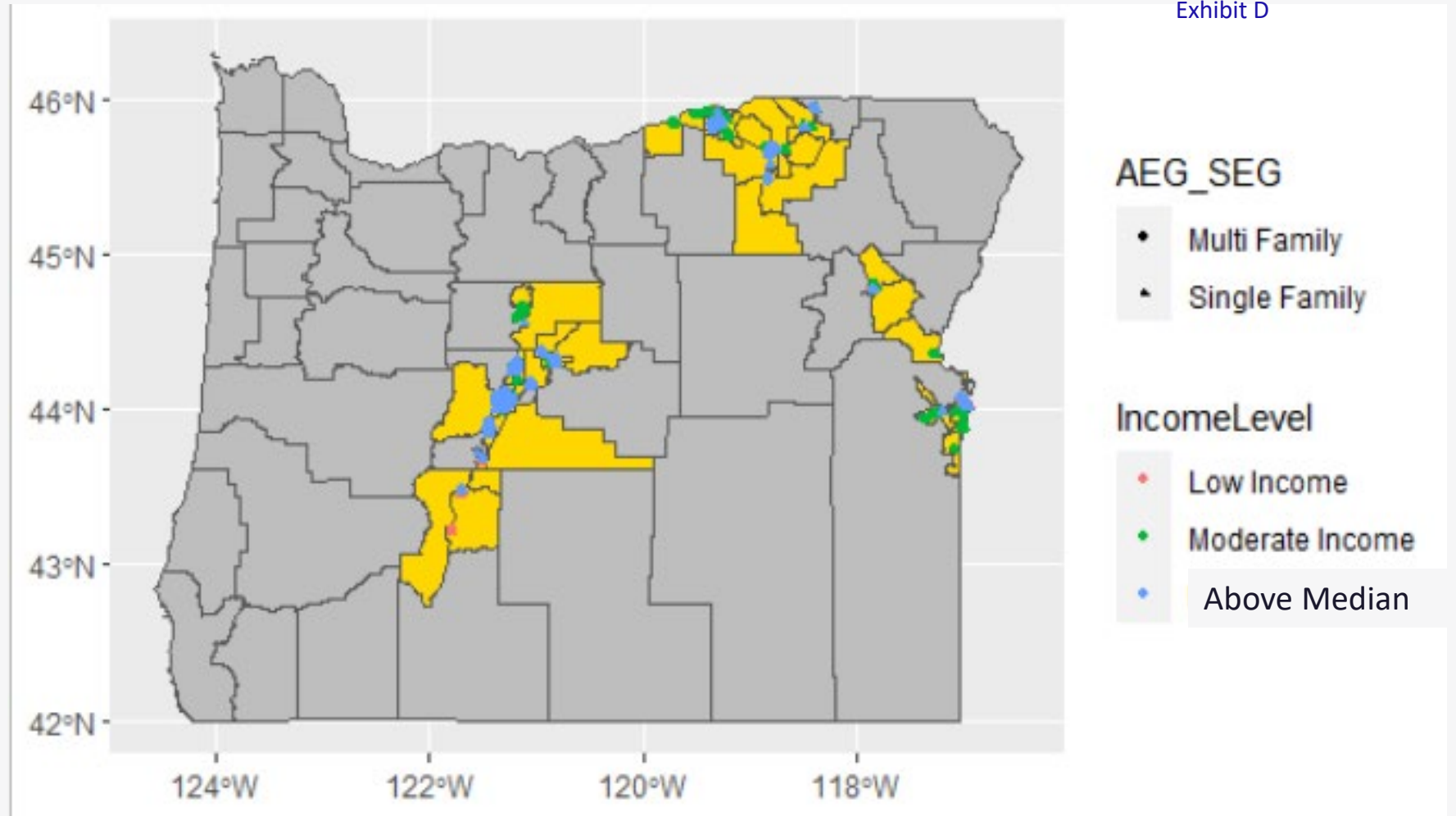
### Cascade Oregon Household: Distribution by Income



Housing Type	Income Group	Accounts	Oregon	
			% of SF or MF	% of All HH
Single Family	Above Median	35,417	46%	43%
	Moderate Income	28,434	37%	34%
	Low Income	13,251	17%	16%
Multi Family	Above Median	2,605	45%	3%
	Moderate Income	1,819	31%	2%
	Low Income	1,369	24%	2%
<b>Total</b>		<b>82,895</b>		<b>100%</b>



## Map – Cascade OR Residential Customers



- ✔ Yellow areas are counties where CNGC customers reside. The colored dots show the average income group assignment for a census geo-block.



## Part 2: RBSA Analysis

- ✔ The NEEA Residential Building Stock Assessment II (2016) includes household income and many usage characteristics, which allows insight into household energy use in different income groups.
- ✔ Differences in gas use per household correlate with differences in average home size, but home size and building shell alone do not account for *all* the intensity difference
- ✔ Overall insulation and infiltration levels are similar between income levels, in contrast to Cascade's WA territory.
  - R-values for roof/attic, walls, and floors are within +/- 1
  - Average low/moderate income air infiltration is actually lower (better) than above-median income homes, which may be the effect of targeted programs

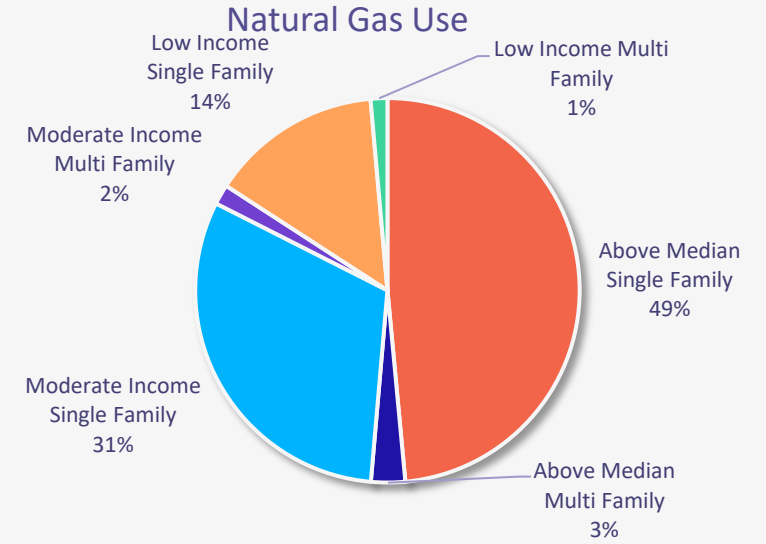
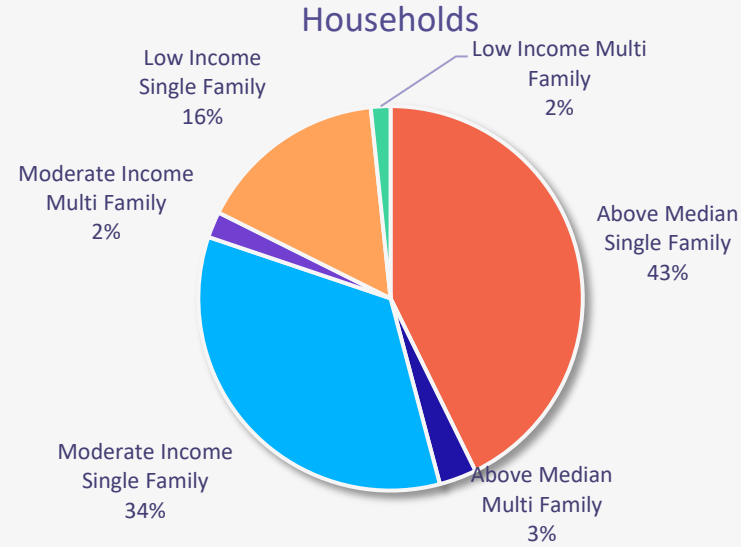
Oregon Gas Customer Characteristics by Income Level – RBSA II

Income Class	Responses	Avg. Therms /HH	Δ	Gas Space Heat	Gas Water Heat	Age of Home (Avg)
Above Median	153	648	n/a	61%	80%	1961
Moderate Income	27	638	-2%	61%	89%	1969
Low Income	55	547	-16%	67%	65%	1958





# Results Summary



Row Labels	Households	% of Households	Therms	% of Therms	Therms per HH
<b>Above Median</b>					
Single Family	35,417	42.73%	32,031,069	48.51%	904
Multi Family	2,605	3.14%	1,891,766	2.87%	726
<b>Moderate Income</b>					
Single Family	28,434	34.30%	20,525,481	31.09%	722
Multi Family	1,819	2.19%	1,113,780	1.69%	612
<b>Low Income</b>					
Single Family	13,251	15.99%	9,534,721	14.44%	720
Multi Family	1,369	1.65%	929,208	1.41%	679
<b>Grand Total</b>	<b>82,895</b>	<b>100.00%</b>	<b>66,026,026</b>	<b>100.00%</b>	<b>797</b>

# Thank You.

Eli Morris, Managing Director  
emorris@appliedenergygroup.com

Ken Walter, Project Manager  
kwalter@appliedenergygroup.com

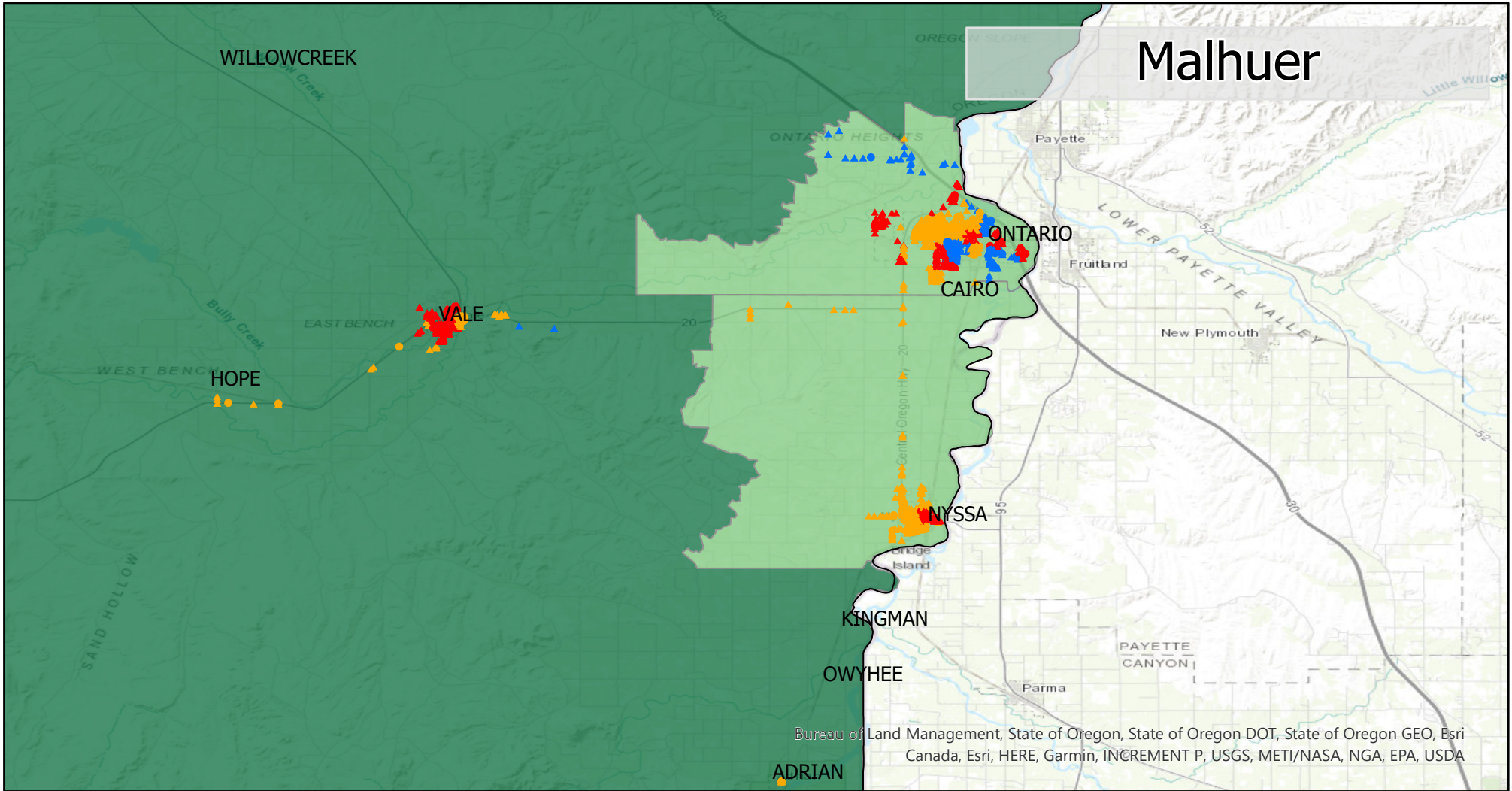
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Phone 510-982-3530



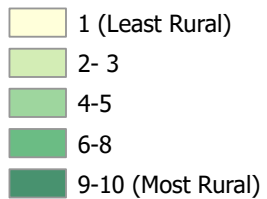
# Income by Structure Type and Urban/Rural Areas

Exhibit D



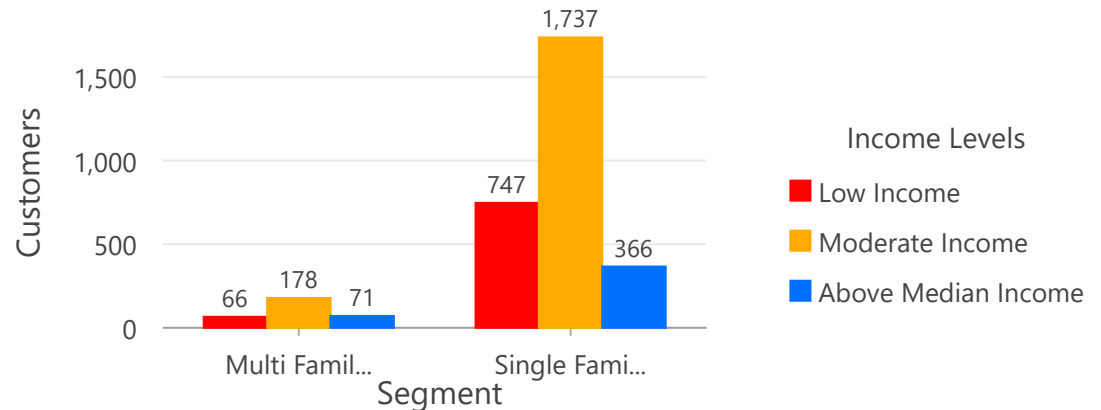
Bureau of Land Management, State of Oregon, State of Oregon DOT, State of Oregon GEO, Esri, Canada, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA

## Rural Urban Commuting Areas



## Residential Segmentation

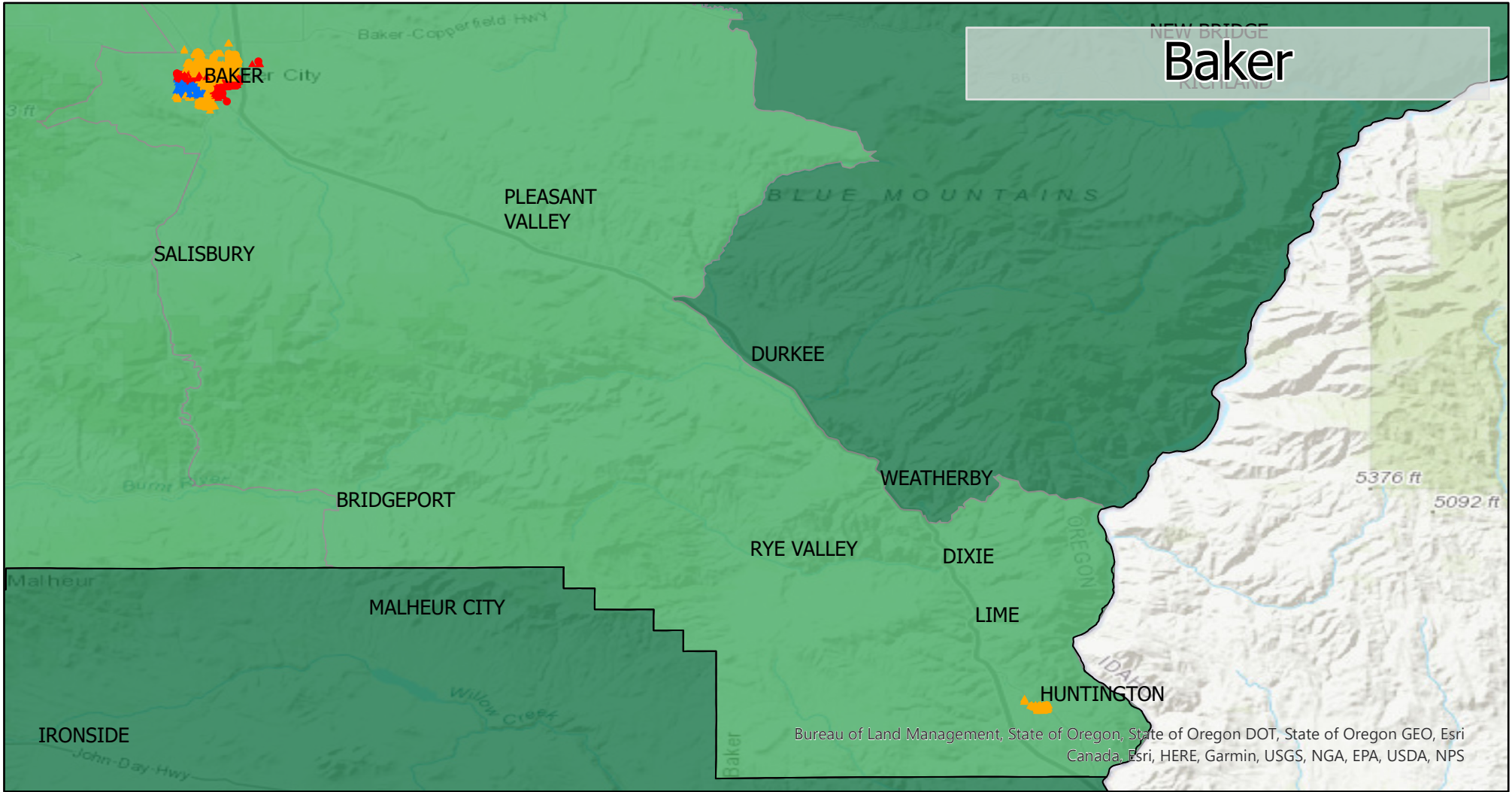
- Multi Family, Low Income
- ▲ Single Family, Low Income
- Multi Family, Moderate Income
- ▲ Single Family, Moderate Income
- Multi Family, Above Median Income
- ▲ Single Family, Above Median Income



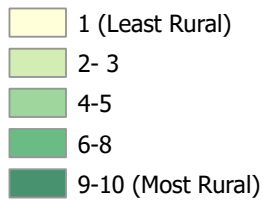


# Income by Structure Type and Urban/Rural Areas

Exhibit D

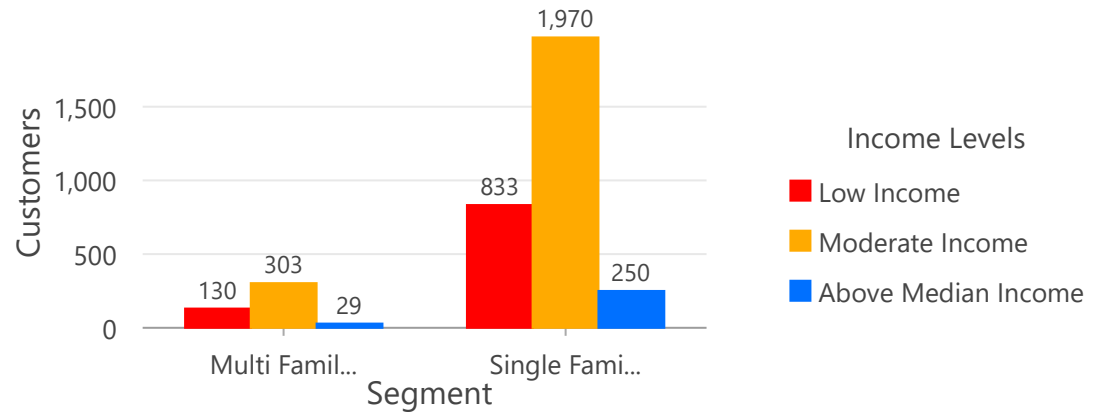


## Rural Urban Commuting Areas



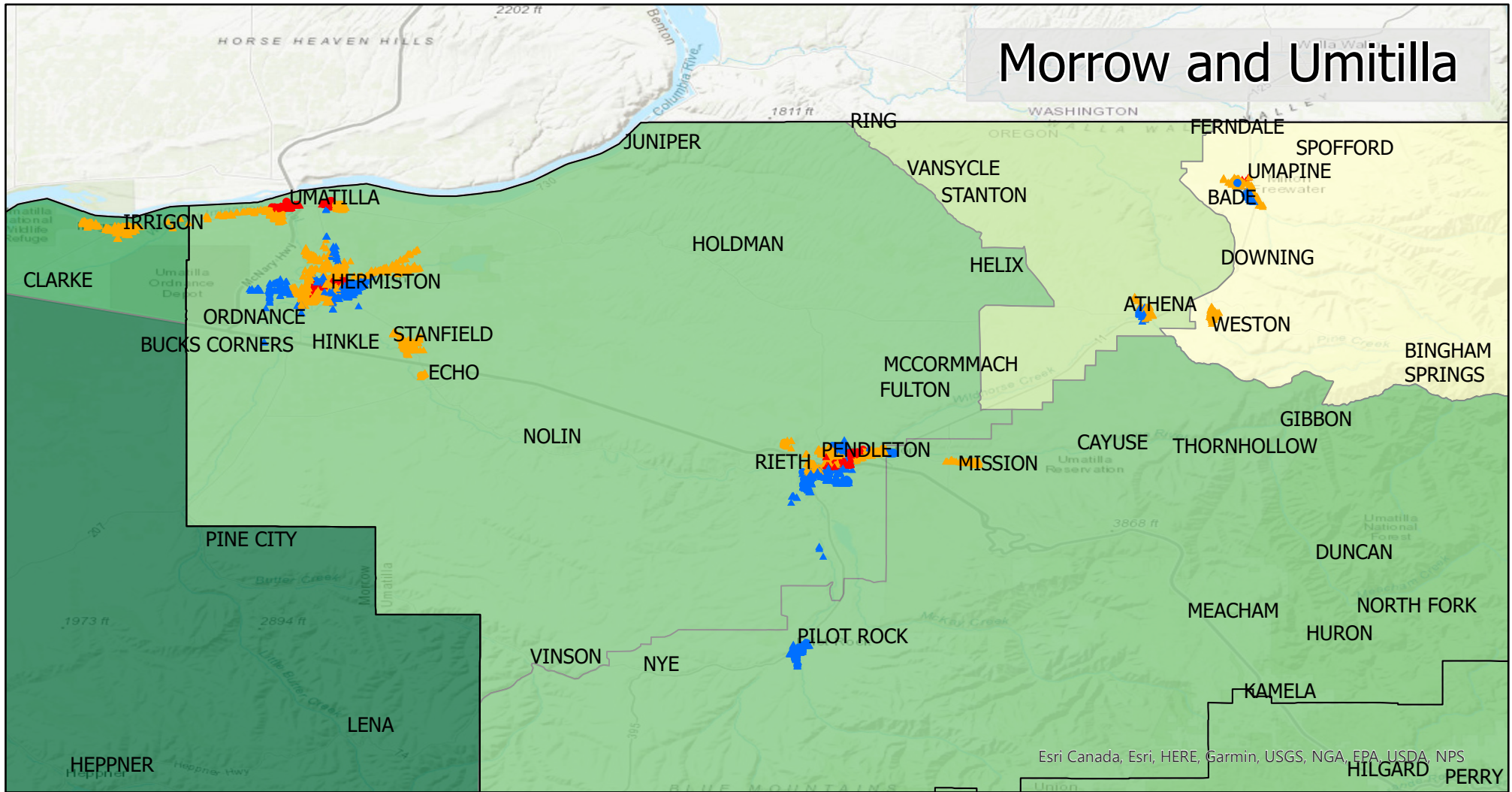
## Residential Segmentation

- Multi Family,Low Income
- ▲ Single Family,Low Income
- Multi Family,Moderate Income
- ▲ Single Family,Moderate Income
- Multi Family,Above Median Income
- ▲ Single Family,Above Median Income

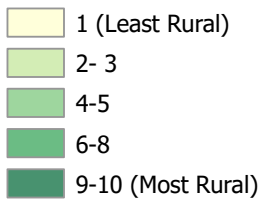


# Income by Structure Type and Urban/Rural Areas

Exhibit D

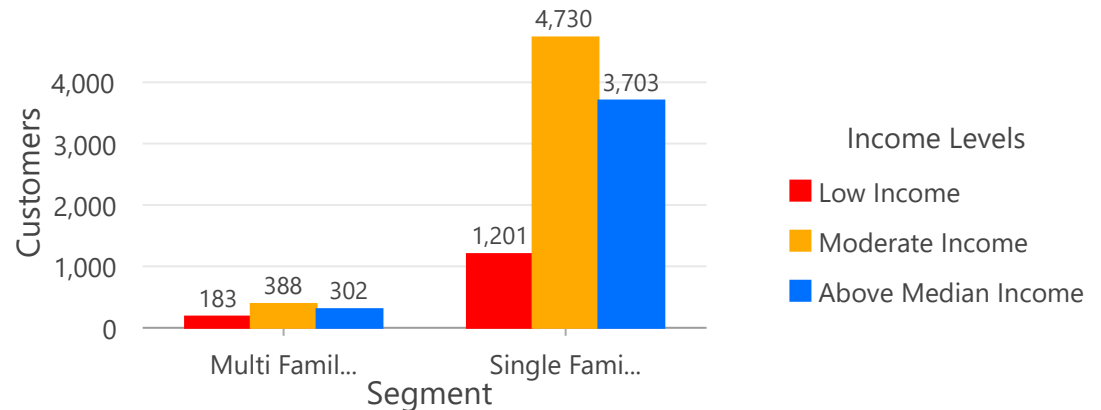


## Rural Urban Commuting Areas



## Residential Segmentation

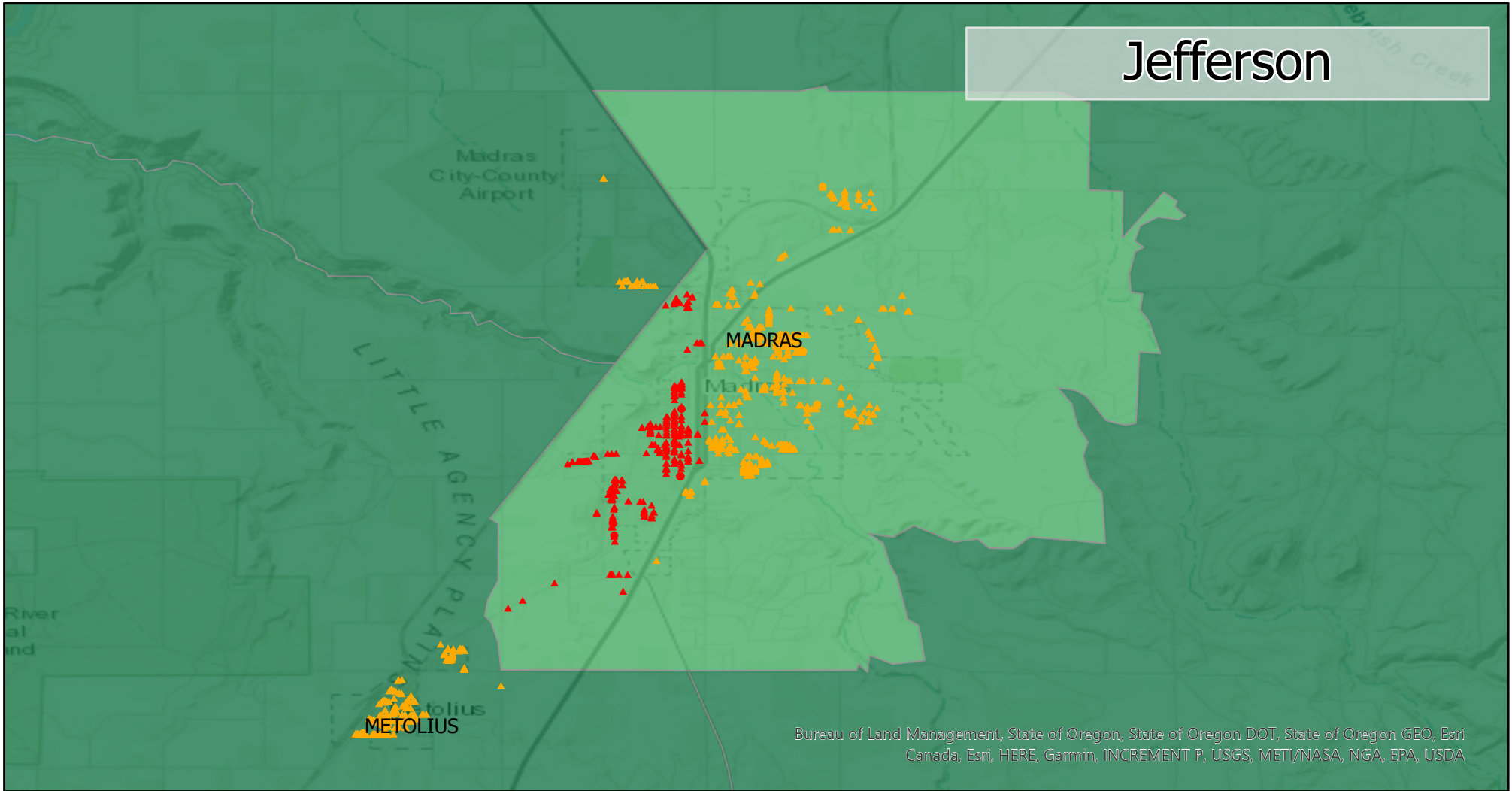
- Multi Family,Low Income
- ▲ Single Family,Low Income
- Multi Family,Moderate Income
- ▲ Single Family,Moderate Income
- Multi Family,Above Median Income
- ▲ Single Family,Above Median Income



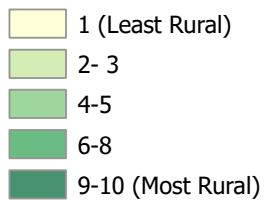


# Income by Structure Type and Urban/Rural Areas

Exhibit D

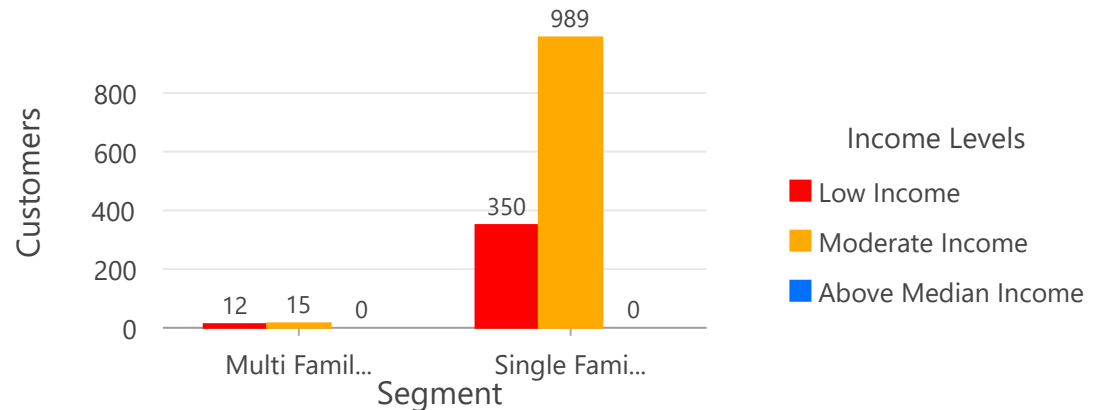


## Rural Urban Commuting Areas



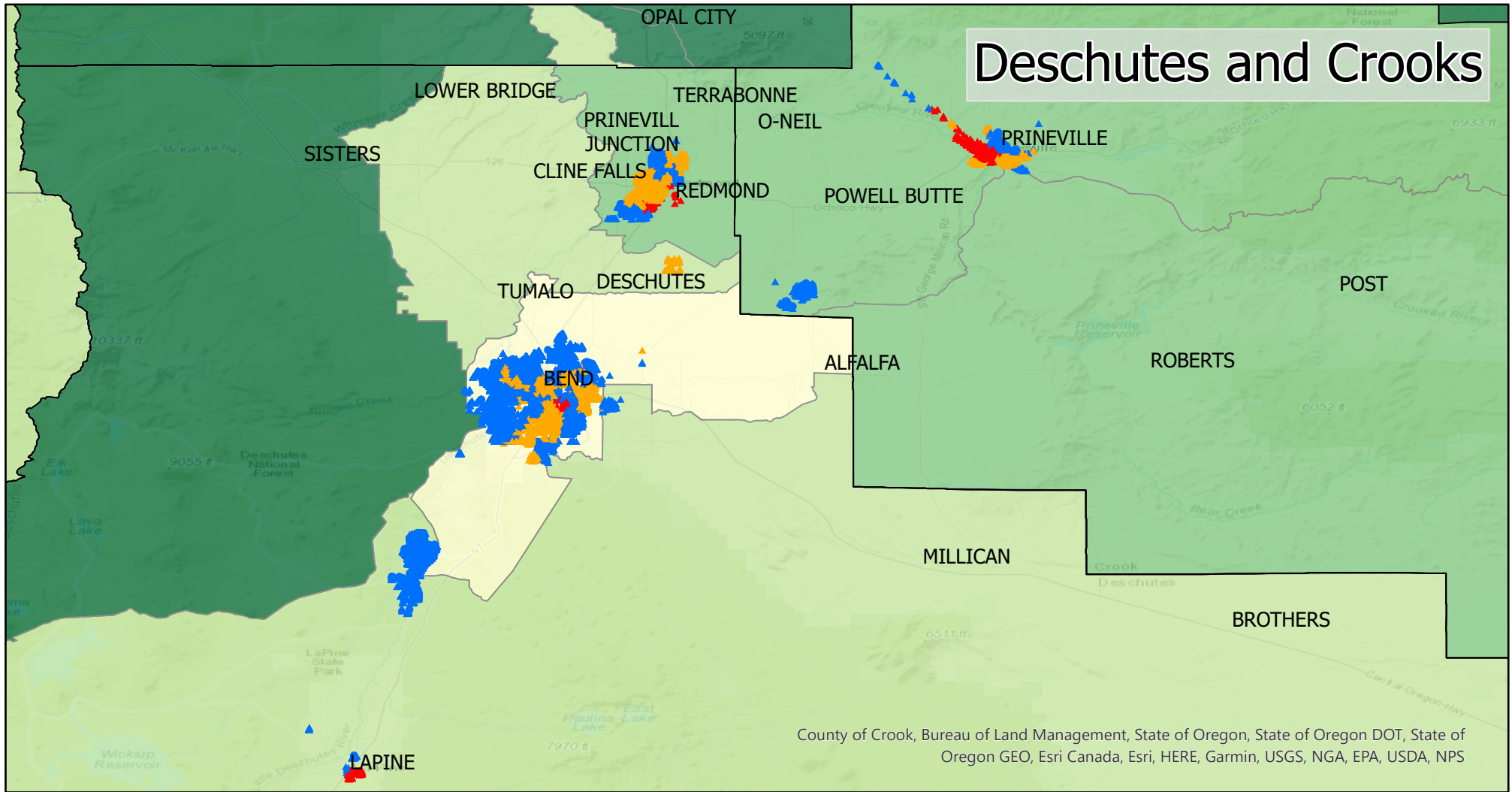
## Residential Segmentation

- Multi Family,Low Income
- ▲ Single Family,Low Income
- Multi Family,Moderate Income
- ▲ Single Family,Moderate Income
- Multi Family,Above Median Income
- ▲ Single Family,Above Median Income

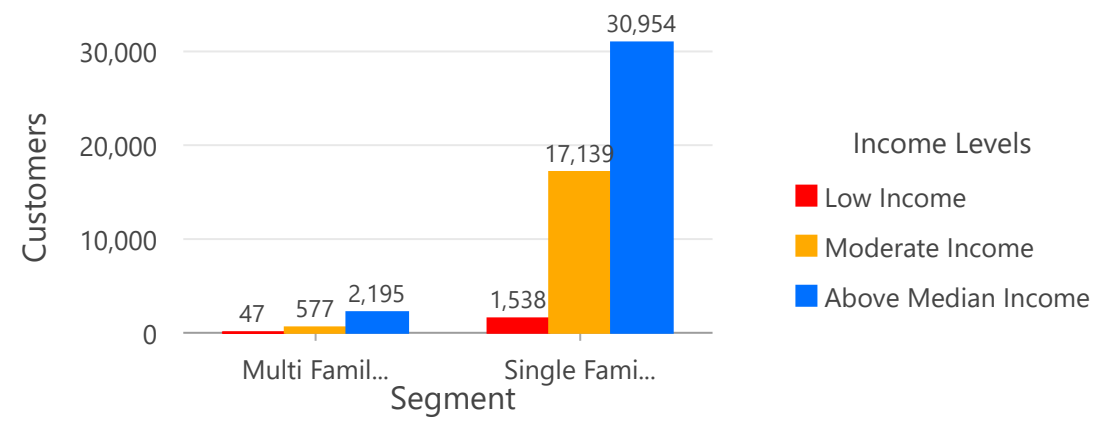
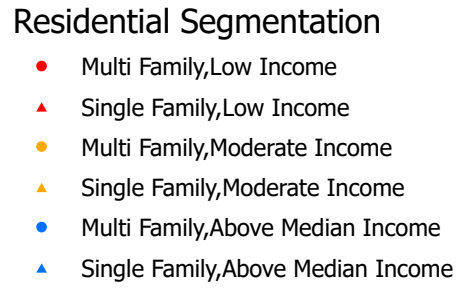
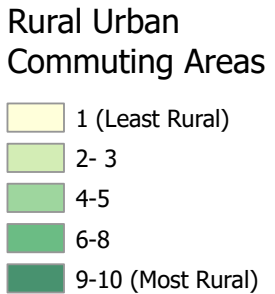


# Income by Structure Type and Urban/Rural Areas

Exhibit D



**Deschutes and Crooks**

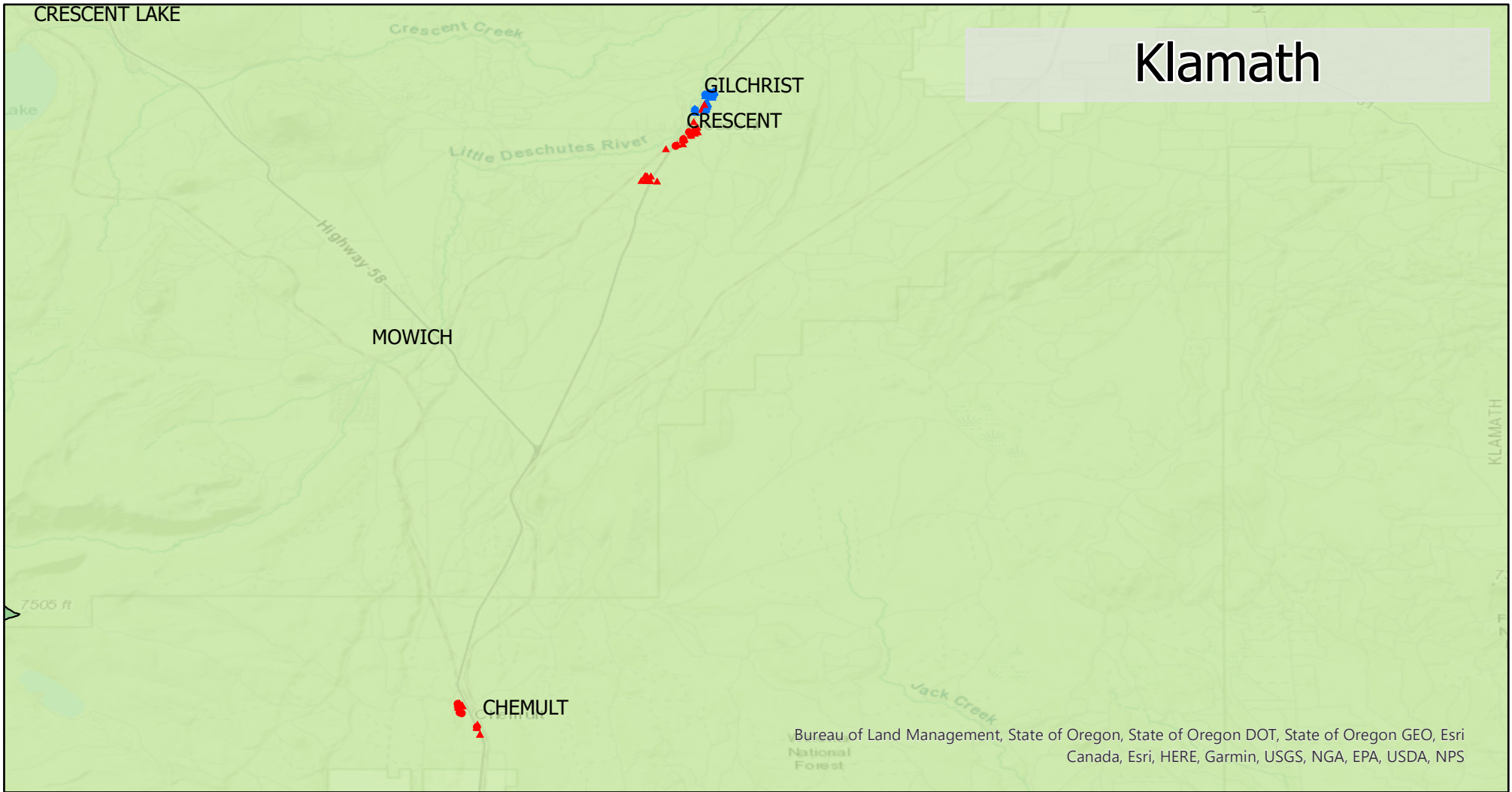


County of Crook, Bureau of Land Management, State of Oregon, State of Oregon DOT, State of Oregon GEO, Esri Canada, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS

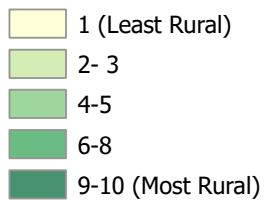


# Income by Structure Type and Urban/Rural Areas

Exhibit D

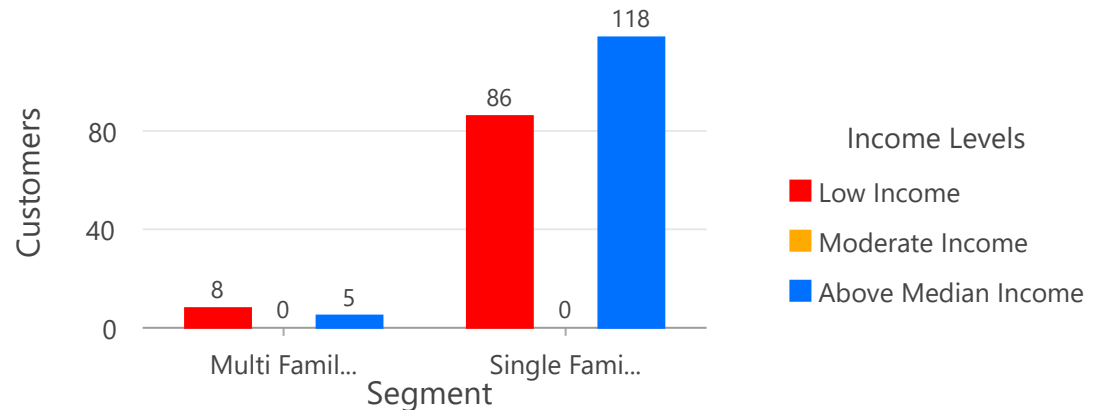


## Rural Urban Commuting Areas



## Residential Segmentation

- Multi Family,Low Income
- ▲ Single Family,Low Income
- Multi Family,Moderate Income
- ▲ Single Family,Moderate Income
- Multi Family,Above Median Income
- ▲ Single Family,Above Median Income







e-FILING REPORT COVER SHEET

COMPANY NAME: Cascade Natural Gas Corporation

DOES REPORT CONTAIN CONFIDENTIAL INFORMATION?  No  Yes If yes, submit a redacted public version (or a cover letter) by email. Submit the confidential information as directed in OAR 860-001-0070 or the terms of an applicable protective order.

Select report type:  RE (Electric)  RG (Gas)  RW (Water)  RT (Telecommunications)  
 RO (Other, for example, industry safety information)

Did you previously file a similar report?  No  Yes, report docket number:

Report is required by:  OAR  
 Statute  
 Order

Note: A one-time submission required by an order is a compliance filing and not a report (file compliance in the applicable docket)

Other CNGC Tariff P.U.C. Or. 10, Schedule 32  
(For example, federal regulations, or requested by Staff)

Is this report associated with a specific docket/case?  No  Yes, docket number: RG 6

List Key Words for this report. We use these to improve search results.

Cascade Natural Gas Corporation, CNGC, OLIBA, Low Income Bill Pay Assistance

Send the completed Cover Sheet and the Report in an email addressed to [PUC.FilingCenter@puc.oregon.gov](mailto:PUC.FilingCenter@puc.oregon.gov)

Send confidential information, voluminous reports, or energy utility Results of Operations Reports to PUC Filing Center, PO Box 1088, Salem, OR 97308-1088 or by delivery service to 201 High Street SE Suite 100, Salem, OR 97301.



8113 W. GRANDRIDGE BLVD., KENNEWICK, WASHINGTON 99336-7166  
TELEPHONE 509-734-4500 FACSIMILE 509-737-9803  
[www.cngc.com](http://www.cngc.com)

November 30, 2021

Oregon Public Utility Commission  
201 High Street SE, Suite 100  
Salem, OR 97301-3398

Attn: Records Center

Re: RG-6 Cascade Natural Gas Corporation Oregon Low-Income Bill Assistance Program  
(OLIBA) Annual Report Program Year 2020-2021

In compliance with the terms established in Cascade Natural Gas Corporation's (Company) Tariff Schedule 32, "Oregon Low Income Bill Assistance Program", the Company herewith files its OLIBA Annual Report for the 2020-2021 program year.

If you have any questions, please feel free to contact Dan Tillis at [dan.tillis@mdu.com](mailto:dan.tillis@mdu.com) or 208.898.7175.

Sincerely,

*/s/ Lori A. Blattner*

Lori A. Blattner  
Director, Regulatory Affairs  
Cascade Natural Gas Corporation  
8113 W. Grandridge Blvd.  
Kennewick, WA 99336-7166  
[lori.blattner@intgas.com](mailto:lori.blattner@intgas.com)

Attachment

*In the Community to Serve®*

**CASCADE NATURAL GAS CORPORATION**  
**Oregon Low Income Bill Assistance Program Annual Report**  
**2020-2021 Program Year**

**History**

Cascade Natural Gas Corporation's (Cascade's or the Company's) Oregon Low Income Bill Assistance (OLIBA) program was first implemented in May 2006 with the Public Utility Commission of Oregon (OPUC) approval of the Company's Schedule 31, "Public Purposes Funding" (now called the "Public Purpose Charge").

The Oregon Low-Income Bill Assistance (OLIBA) program was designed to supplement the Federal Low-Income Energy Assistance Program (LIHEAP) by providing additional financial assistance to income-eligible households in Cascade's service territory. When the Public Purpose Charge was established, 0.29 percent of Oregon residential and commercial gross billing revenues were dedicated to the program. The percentage is updated annually to meet the requirements of programs funded by the Public Purpose Charge. At the beginning of this program year, the program had a budget increase of \$63,911 that was collected from customers at a rate of 0.097% of all core customers' billing revenues.

**Program Results**

Since the inception of the program in May 2006, a total of 3205 energy assistance pledges have been provided totaling \$880,115 in direct payments to residential customers. During the 2020-2021 Program Year, the Community Action agencies (CAAs or Agencies) in Cascade's service territory distributed \$101,354 of OLIBA funds to 260 households.

**2020-2021 Program Year Results**

The 2020-2021 Program Year marks the 15<sup>th</sup> full year of the OLIBA program. Public Purpose Charge collections for OLIBA funding this Program Year totaled \$94,713. With a carryover balance of \$-14,537, total program funding was \$80,176. \$24,776 was used to pay Agencies' costs for program administration. \$101,354 was credited to 260 customers at an average pledge of \$390. Pledge spending was allowed to exceed the funding level by \$45,954 in response to the needs of our customers during the COVID-19 pandemic and because the account is a deferral account which provides a simple method of recovery.

Table 1 below provides statistics on the program's performance on a month by month basis.

<b>2020-2021 OLIBA</b>					
<b>Q4 2020</b>	<b>Recipients</b>	<b>Dollars Distributed</b>	<b>Payments to Agencies</b>	<b>Total</b>	<b>Average Pledge</b>
Oct	3	\$ 1,525.00	\$ 2,091.60	\$ 3,616.60	\$ 508.33
Nov	6	\$ 255.00	\$ 2,207.70	\$ 2,462.70	\$ 42.50
Dec	28	\$ 15,000.78	\$ 441.54	\$ 15,442.32	\$ 535.74
<b>Q4</b>	<b>37</b>	<b>\$ 16,780.78</b>	<b>\$ 4,740.84</b>	<b>\$ 21,521.62</b>	<b>\$ 453.53</b>
<b>Q1 2021</b>					
Jan *	7	\$ (401.36)	\$ 2,376.16	\$ 1,974.80	\$ (57.34)
Feb	68	\$ 31,176.00	\$ 612.00	\$ 31,788.00	\$ 458.47
March	53	\$ 22,048.00	\$ 6,367.80	\$ 28,415.80	\$ 416.00
<b>Q1</b>	<b>128</b>	<b>\$ 52,822.64</b>	<b>\$ 9,355.96</b>	<b>\$ 62,178.60</b>	<b>\$ 412.68</b>
<b>Q2 2021</b>					
April	23	\$ 9,231.65	\$ 4,409.60	\$ 13,641.25	\$ 401.38
May	23	\$ 6,515.75	\$ 1,879.40	\$ 8,395.15	\$ 283.29
June	10	\$ 3,840.00	\$ 1,467.60	\$ 5,307.60	\$ 384.00
<b>Q2</b>	<b>56</b>	<b>\$ 19,587.40</b>	<b>\$ 7,756.60</b>	<b>\$ 27,344.00</b>	<b>\$ 349.78</b>
<b>Q3 2021</b>					
July	11	\$ 4,070.00	\$ 768.00	\$ 4,838.00	\$ 370.00
Aug	18	\$ 5,425.75	\$ 814.00	\$ 6,239.75	\$ 301.43
Sept	10	\$ 2,667.09	\$ 1,341.00	\$ 4,008.09	\$ 266.71
<b>Q3</b>	<b>39</b>	<b>\$ 12,162.84</b>	<b>\$ 2,923.00</b>	<b>\$ 15,085.84</b>	<b>\$ 311.87</b>
<b>Season Totals</b>	<b>260</b>	<b>\$ 101,353.66</b>	<b>\$ 24,776.40</b>	<b>\$ 126,130.06</b>	<b>\$ 389.82</b>

\* The Company identified duplicate pledges in December 2020 which were adjusted out of the account in January 2021. The negative average pledge amount is reflective of the accounting adjustments.

Table 2 summarizes the results for the life of the OLIBA program as well as for the 2020-2021 Program Year. Additional historical Program Year summaries can be found in annual reports for prior Program Years filed in RG-6.

<b>Table 2</b>	Program Life	2020-2021
No. Customers Served	3205	260
Average pledge*	\$ 274.61	\$ 389.82
Revenues:		
Balance from Prior Year	\$ -	\$ (14,537)
Program Year Revenues	\$ 944,922	\$ 94,713
Accrued Interest	\$ 42,332	\$ -
Total Available Funds	\$ 987,254	\$ 80,176
Payments:		
To Customers	\$ 880,115	\$ 101,354
To Agencies	\$ 154,792	\$ 24,776
Total Payments	\$ 1,034,907	\$ 126,130
Ending Balance in OLIBA Account	\$ (45,954)	\$ (45,954)
% Available Funds Used:		
Payments to Customers	89%	126%
Payments to Agencies	16%	31%
Total	105%	157%

**OLIBA Funding to Agencies**

The full fund balance is available to all Agencies at the first of each month to use as need demands. Because the fund is deferred, all pledges submitted for qualifying customers will be honored and the collection rate will be adjusted at the end of the program year should spending exceed the available funding level.

**Payment Process**

Cascade uses a cashless voucher payment system where OLIBA allocations to Agencies and grants made to customers are made without a transfer of actual cash between the Company and Agencies. This process has proven to be efficient for all participants. Cascade believes that this process ensures customers receive their assistance payments in a timely manner.

**Agency Coordination**

The Company believes the program is working well. We coordinate with the Agencies via teleconference to ensure that any new issues needing consideration or resolution are given a proper forum. Issues we discuss include timely processing of customer pledges, adherence to program guidelines, OLIBA funding, and reaching applicable customers.



e-FILING REPORT COVER SHEET

COMPANY NAME: NW Natural

DOES REPORT CONTAIN CONFIDENTIAL INFORMATION?  No  Yes If yes, submit a redacted public version (or a cover letter) by email. Submit the confidential information as directed in OAR 860-001-0070 or the terms of an applicable protective order.

Select report type:  RE (Electric)  RG (Gas)  RW (Water)  RT (Telecommunications)  
 RO (Other, for example, industry safety information)

Did you previously file a similar report?  No  Yes, report docket number: RG 13

Report is required by:  OAR  
 Statute  
 Order

Note: A one-time submission required by an order is a compliance filing and not a report (file compliance in the applicable docket)

Other Schedule 320 of NW Natural's Tariff  
(For example, federal regulations, or requested by Staff)

Is this report associated with a specific docket/case?  No  Yes, docket number: RG 13

List Key Words for this report. We use these to improve search results.

NW Natural, 2019-2020 Program Year, Oregon Low-Income Energy Efficiency Annual Report, OLIEE,

Send the completed Cover Sheet and the Report in an email addressed to [PUC.FilingCenter@state.or.us](mailto:PUC.FilingCenter@state.or.us)

Send confidential information, voluminous reports, or energy utility Results of Operations Reports to PUC Filing Center, PO Box 1088, Salem, OR 97308-1088 or by delivery service to 201 High Street SE Suite 100, Salem, OR 97301.



250 SW Taylor Street  
Portland, OR 97204

503-226-4211  
nwnatural.com

December 28, 2020

***VIA ELECTRONIC FILING***

Public Utility Commission of Oregon  
201 High Street SE, Suite 100  
Post Office Box 1088  
Salem, Oregon 97308-1088

**RE: RG 13—Oregon Low-Income Energy Efficiency Program (OLIEE)  
Annual Report (2019-2020 Program Year)**

Northwest Natural Gas Company, dba NW Natural (NW Natural or the Company), hereby submits its Oregon Low-Income Energy Efficiency Program (OLIEE) Annual Report for the 2019-2020 Program Year in accordance with the Company's Tariff P.U.C. Or. 25, Schedule 320.

Please call me at (503) 610-7326 if you have any questions.

Sincerely,

*/s/ Rebecca T. Brown*

Rebecca T. Brown  
Regulatory Compliance

Enclosure

# NW Natural

## Oregon Low Income Energy Efficiency Program Annual Report to the Public Utility Commission of Oregon Program Year: October 2019- September 2020

### I. Summary

The programs supported by the Oregon Low Income Energy Efficiency Program (OLIEE) tariff managed to continue in light of the many challenges in the 2019-20 program year. Collectively our partner agencies completed 248 weatherization projects and engaged several hundred additional NW Natural customers through energy education workshops, energy saver kits and/or received air sealing services.

### II. OLIEE Overview

Since October 2002, NW Natural (NWN) has collected public purpose funding for its Oregon Low-Income Energy Efficiency program (OLIEE). That rate started at one quarter of one percent (0.25%). During the 2017-18 program year the collection increased to one fifty-fifth of one percent (0.55%) total energy use billed from Oregon's residential and commercial customers. Due to a recognized need, and increase in project potential, project costs, and measures, collection was adjusted again in the 2019-20 program year and to equal to one eighty-fifth of one percent (0.85%) starting on January 1, 2020.

The OLIEE program assists NWN's low income customers by reducing their natural gas needs through the installation of high-efficient gas equipment and weatherization. The program also empowers customers through energy literacy in conjunction with weatherization as well as a stand-alone service. The program is applicable to dwellings occupied by customers who meet income guidelines as established in Oregon's annual Low-Income Home Energy Assistance Program (LIHEAP) State Plan<sup>1</sup>. On average, the OLIEE program reduces participating customers' gas usage by approximately 20%<sup>2</sup> annually.

### III. OLIEE Community Action Program (CAP) Program

OLIEE partners with CAP Agencies in each county to administer the OLIEE program. These agencies utilize matching funds derived from the Office of Community Services' Low-Income Home Energy Assistance Program (LIHEAP) and the US Department of Energy's Weatherization Assistance Program (WAP). NWN contributes to each eligible gas home's weatherization and energy efficiency efforts as follows:

Expense category	CAP 10/1/19	CAP 1/1/20
Max per dwelling	<b>\$10,000</b>	<b>\$15,000</b>
Weatherization Only	N/A	\$10,000
Heating Equipment Only	N/A	\$5,000
Max administration per dwelling	<b>\$1,600</b>	<b>\$1,600</b>
Audit and Inspection allotment	\$850	N/A
Agency Administrative expense	\$750	N/A
Max average Health, Safety and Repairs per dwelling	<b>\$1,000</b>	<b>\$1,000</b>
<b>Reimbursement per dwelling</b>	<b>\$12,600</b>	<b>\$17,600</b>

<sup>1</sup> <https://www.oregon.gov/ohcs/pages/low-income-energy-assistance-oregon.aspx>

<sup>2</sup> According to 2011 Impact Evaluation performed by Forefront Economics.



# NW Natural

## Oregon Low Income Energy Efficiency Program Annual Report to the Public Utility Commission of Oregon Program Year: October 2019- September 2020

### IV. Current year weatherization results

In 2019-20 the funds supported over 867 measures installed.

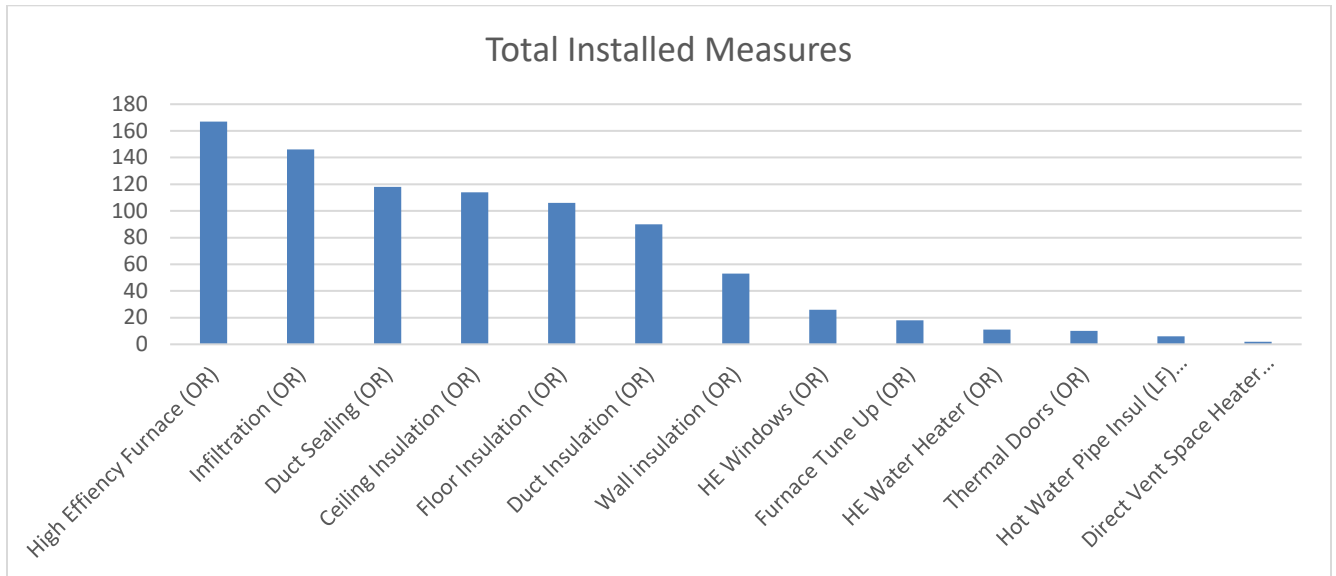


Table 1 – Prior three program years’ CAP results

	<u>2019-2020</u>	<u>2018-2019</u>	<u>2017-2018</u>
Weatherized Dwellings (Target)	306	300	320
Dwellings weatherized (Actual)	248	260	299
Reimbursed Measure Costs	\$1,595,651	\$1,567,192	\$1,935,009
Reimbursed HSR	\$185,938	\$242,617	\$289,364
Est. therms	68,320	73,441	103,708
Est. therms saved per home <sup>3</sup>	277	283	347

**Targets:** At the start of the 2019-20 program year, the program had a goal of maintaining 300 agency served households each year. Installation costs, agency metrics and revenue forecasts resulted in a project forecast of 306. Prior to COVID, agency feedback was positive towards an increase production in conjunction with additional outreach efforts. 2020 did not go as envisioned. Most agencies suspended all work in response to COVID. Additionally, the fire season of 2020 impacted agency operations and working conditions. These combined impacts resulted in that target not being met by September 30, 2020.

<sup>3</sup> Estimated therms saved as calculated by the Oregon Department of Energy (ODOE) -approved modeling software, RemRate, Energy Trust of Oregon and/or Regional Technical Forum.

## NW Natural

Oregon Low Income Energy Efficiency Program  
Annual Report to the Public Utility Commission of Oregon  
Program Year: October 2019- September 2020

Table 2: Household targets for 2019-2020

<b>CAP Agency</b>	<b>Counties Served</b>	<b>Targeted Households</b>	<b>Actual Completions</b>
Clackamas County CA	Clackamas	17	13
Community Action Organization	Washington	74	93
Community Action Team, Inc.	Columbia and Clatsop	7	7
Community Services Consortium	Benton, Linn and Lincoln	42	4
Homes for Good	Lane	28	24
Mid-Columbia Community Action Council	Hood River and Wasco	0	0
Mid-Willamette Valley CA	Polk and Marion	28	31
Multnomah County Weatherization & Energy Services	Multnomah	106	73
Yamhill Co CA Partnership	Yamhill	4	3
Oregon Coast Comm Action	Coos	0	0
<b>All Agencies</b>		<b>306</b>	<b>248</b>

These results were discussed with the agencies and the OLIEE Advisory Committee. Several of the largest agencies saw significant impacts to operations that resulted in the large drop in production due to COVID. Those agencies have reliably met their quotas in previous years and without COVID, it is likely the OLIEE program would have met or exceeded the 2019-20 target.

## NW Natural

Oregon Low Income Energy Efficiency Program  
Annual Report to the Public Utility Commission of Oregon  
Program Year: October 2019- September 2020

### V. Customer Counts

In addition to 2019-20 targets, Table 3 provides customer counts by Agency service territory.

Table 3: Targets and Customer Counts

CAP Agency	Residential Meter Count	% of customers	2019-20 % of completions
Clackamas County CA	88,525	14.3%	5.2%
Community Action Organization	135,074	21.9%	37.5%
Community Action Team, Inc.	20,102	3.3%	2.8%
Community Services Consortium	50,019	8.1%	1.6%
Homes for Good Housing Agency of Lane Co	37,713	6.1%	9.7%
Mid-Columbia Community Action Council	5,198	0.8%	0%
Mid-Willamette Valley CA	76,826	12.4%	12.5%
Multnomah County Weatherization & Energy Services	191,124	31%	29.4%
Yamhill Co CA Partnership	11,801	1.9%	1.2%
Oregon Coast Comm Action	1,650	0.3%	0%
<b>All Agencies</b>	<b>618,032</b>		

# NW Natural

## Oregon Low Income Energy Efficiency Program Annual Report to the Public Utility Commission of Oregon Program Year: October 2019- September 2020

### VI. Program Funding<sup>4</sup>

Including the 2020 tariff changes that increased the per dwelling total, average project cost still dropped \$25 to approximately \$8,453 during the 2019-20 program year (inclusive of administrative, audit and inspection costs). This is likely due to the project timeline; existing projects did not adjust to a mid-year change. Additionally, fewer whole home retrofits were completed due to COVID restrictions, and there was an increase in the number of equipment-only projects in response to 2020 conditions.

Funding is based on October 1 – September 30 Program Year, which is the same time period project completions are counted. Funding is billed and recorded (as shown below) but not collected or deposited until the start of the following month. Interest is also paid the month following when it was earned.

Project completions are by date of agency completion, not by date of receipt or processing by NW Natural. Expenses are tracked on a cash basis. The one-month offset in the chart below is a result of these factors.

Table 4 – 2019-2020 OLIEE Program Year Funding (12 months revenue)

<b>Program Revenue (10/19-9/20):</b>			
Public Purpose Funding	\$	4,125,209	
Interest and Investment Income	\$	12,982	
<b>Total PY 2019-20 Program Revenue</b>			<b>\$ 4,138,191</b>
<b>Expenses (11/19-10/20):</b>			Actual Cap
Total Agency Cost <sup>5</sup>	\$	(2,108,553)	
Open Solicitation Program (OSP)	\$	(0)	
NWN Administration	\$	(80,499)	1.9% 5%
Energy Education	\$	(112,000)	2.7% 10%
<b>Total PY 2019-20 Expense</b>			<b>\$ (2,301,052)</b>
<b>PY 2019-20 Carryover</b>			<b>\$ 1,837,139</b>

<sup>4</sup> Projects are typically paid within a month after being submitted and every attempt is made to paid in the program year they are counted. This section reflects actual expenditures. One project from the 2018-19 program year, totaling \$9714.44, was paid out in the 2019-20 program year. That project is not reflected in the 2019-20 totals elsewhere in this report.

<sup>5</sup> Agency costs include measure reimbursement, health, safety and repair allowance as well as administrative costs.

# NW Natural

## Oregon Low Income Energy Efficiency Program Annual Report to the Public Utility Commission of Oregon Program Year: October 2019- September 2020

### VII. Energy Education

The current tariff allows 10% of program collections to be used for client energy education each program year but the program distributed under 5% to prioritize weatherization. The Company's goal is to create synergies in the delivery and funding of traditional low-income services - weatherization and bill assistance – while better serving this customer group. By targeting customers on the weatherization wait lists (OLIEE) and previous recipients of bill assistance (OLGA<sup>6</sup>), NWN specifically hopes to:

- Provide more immediate attention and services to customers on weatherization wait lists.
- Provide education and direct install measures to customers whose homes do not qualify for OLIEE.
- Show OLGA customers how to use less gas and decrease their dependency on bill payment assistance.
- Encourage eligible households to sign up for weatherization services.

Based on Agency and OAC feedback, NW Natural will continue to support the utilization of Energy Education to find ways to support outreach efforts and enhance waitlist management. A few agency-specific charts are included in Appendix 1.

NW Natural is pleased with the agency efforts and seeks to foster inter-agency collaboration to help create an even stronger education program.

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<sup>6</sup> Oregon Low Income Gas Assistance

# NW Natural

## Oregon Low Income Energy Efficiency Program Annual Report to the Public Utility Commission of Oregon Program Year: October 2019- September 2020

### **VIII. OLIEE: Open Solicitation Program (OSP) Overview**

The OLIEE Tariff seeks to serve all low-income households and allows the Company to partner with organizations serving a similar demographic as the CAP to identify projects that meet the same program intent while providing some diversification of housing stock and, hence, tenant profiles. These projects all fall within the scope of the Open Solicitation Program of the OLIEE tariff.

In 2019-20 the Company prioritized existing agencies and enacting the January 1, 2020 tariff change. There are no active OSP projects. No OSP projects were awarded in the 2019-20 or the 2018-19 Program Years.

NW Natural plans to develop OSP guidelines and hopes to open for proposals to ensure carry-over funding is utilized in a timely manner. The OAC will be provided updates on progress in 2021.

### **IX. Program Oversight**

The OLIEE Advisory Committee (OAC) meets semi-annually to provide deliberation and counsel to NWN. Members include agency representatives (2), the Citizens Utility Board (CUB), the Public Utility Commission (PUC) and the Community Action Partnership of Oregon (CAPO). Northwest Energy Coalition attended OAC meetings during the 2019-20 program year. The intent of this body is to provide feedback and recommendations for program changes and performance.

In 2020 the OAC meet and discussed COVID, wildfire, program changes and the impacts those had on spending and the budget.

# NW Natural

## Oregon Low Income Energy Efficiency Program Annual Report to the Public Utility Commission of Oregon Program Year: October 2019- September 2020

### X. Program Accountability

NWN solicited feedback from program partners through an anonymous 10 question survey. Results on the OLIEE program averaged 1.26 out of 1 to 5 scale where 1 was “extremely satisfied” and 5 was “not at all satisfied.” Results are based on total responses of which due to COVID and timing, there were only 7 in 2020.

NWN OLIEE program staff will be looking into continual improvements and focus on “Timeliness” which had improved but slipped in 2020 with one “3” vote. NWN has been tracking the payment turn-around time starting during the 2017-18 year and has been focused on reducing processing times.

OLIEE	2016-17	2017-18	2018-19	2019-20
Professionalism	1.25	1.18	1.0	1.14
Timeliness	1.5	1.27	1.1	1.57
Courtesy	1.25	1.18	1.0	1.29
Helpfulness	1.33	1.27	1.0	1.14
Knowledgeable	1.33	1.27	1.0	1.14

Agencies typically have fewer interactions with other departments at NWN but a question was asked to allow feedback. Other departments of NWN had overall results that averaged 1.48, down from 1.67 last year on a 1 (extremely satisfied) to 5 (not at all satisfied) scale.

Other NWN Dept	2016-17	2017-18	2018-19	2019-20
Accounting / Payment Processing	1.78	1.5	1.0	1.4
Call Center	2	1.33	1.25	1.5
Service Technicians	1.5	1.5	1.4	1.67
Utility Billing / Data Request	2	2.33	1.4	1.33

Some recommendations/comments from the survey:

“Contractors taking a lot longer to complete jobs now than before the pandemic and we have a lot fewer clients returning the necessary paperwork to schedule an audit.”

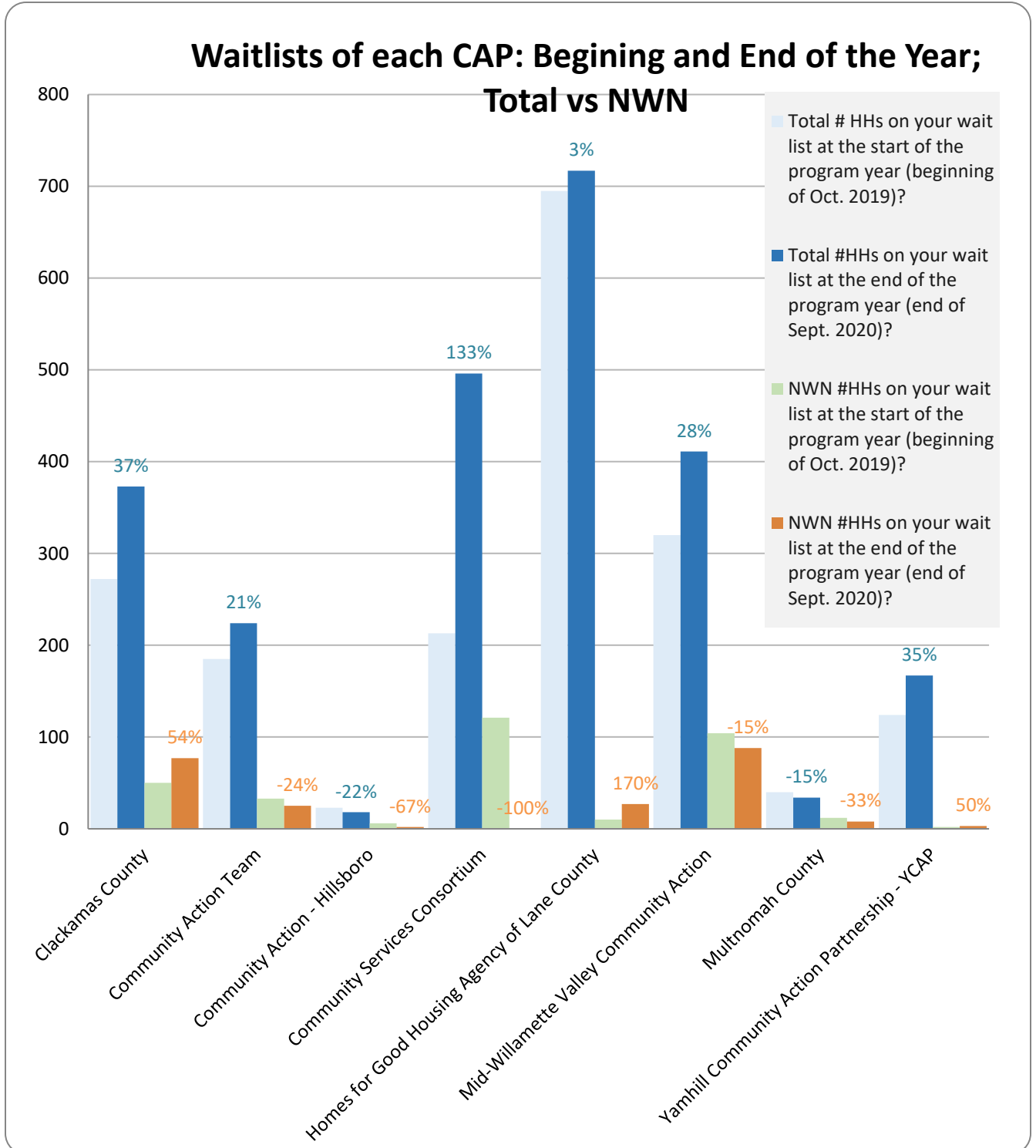
"NW Natural has been a great partner in helping us serve our community and clients. Thanks so much for your continued support of our program and the community members served by our programs!"

“We need NWN's help with outreach”

# NW Natural

Oregon Low Income Energy Efficiency Program  
 Annual Report to the Public Utility Commission of Oregon  
 Program Year: October 2019- September 2020

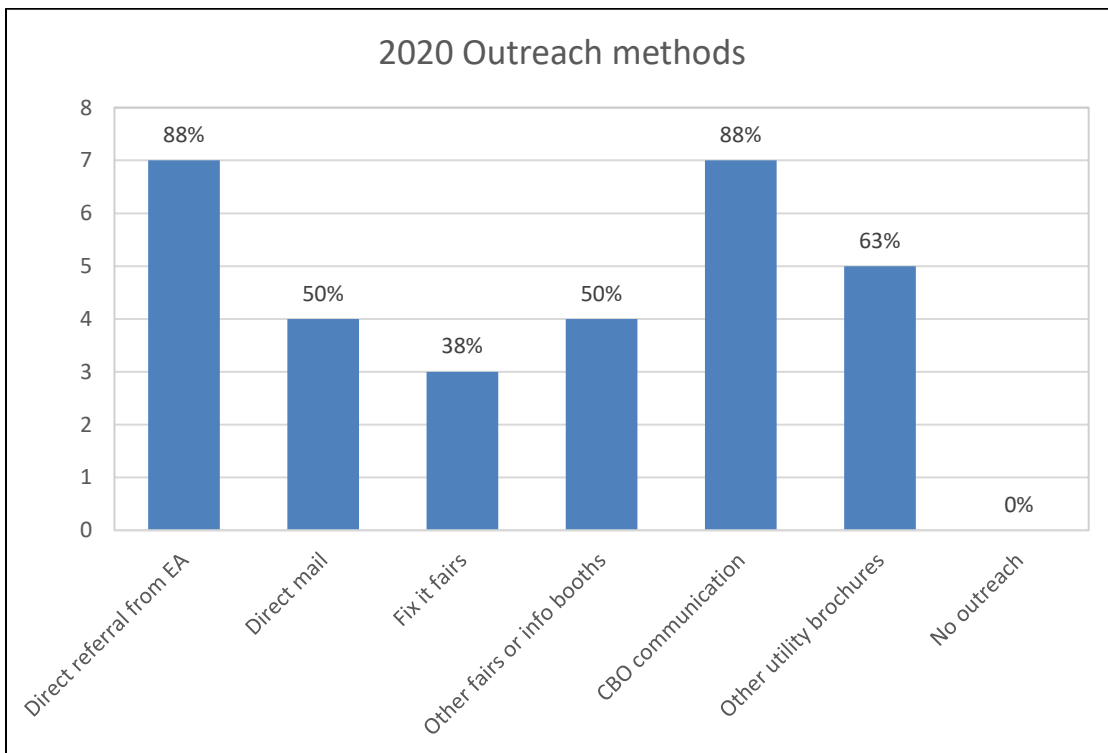
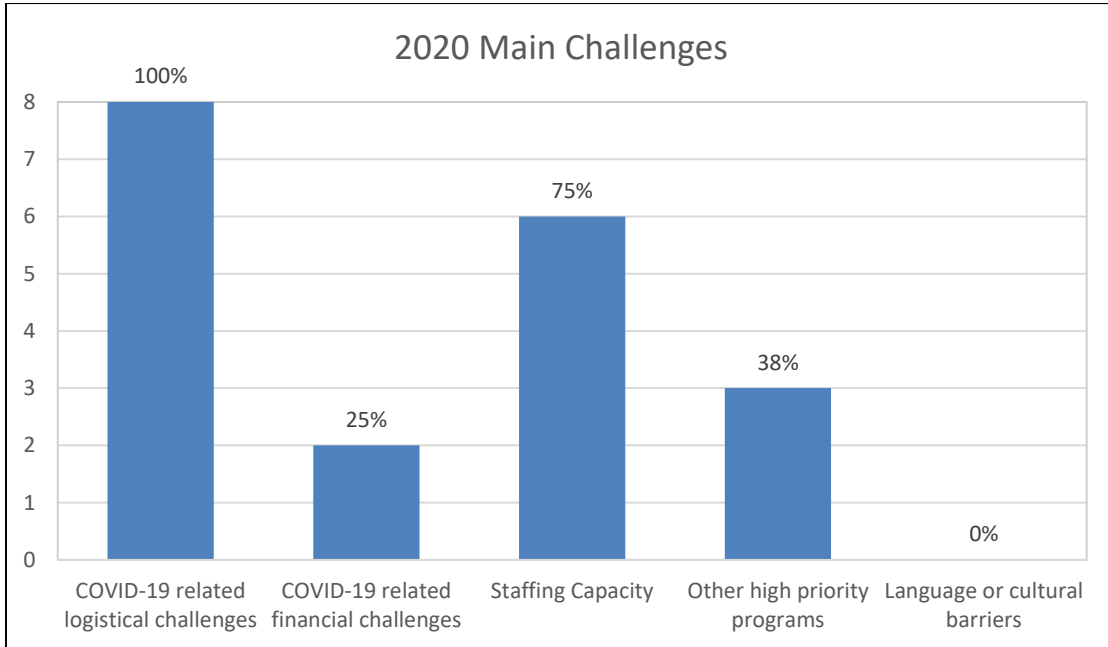
## Appendix 1: Energy Education Details





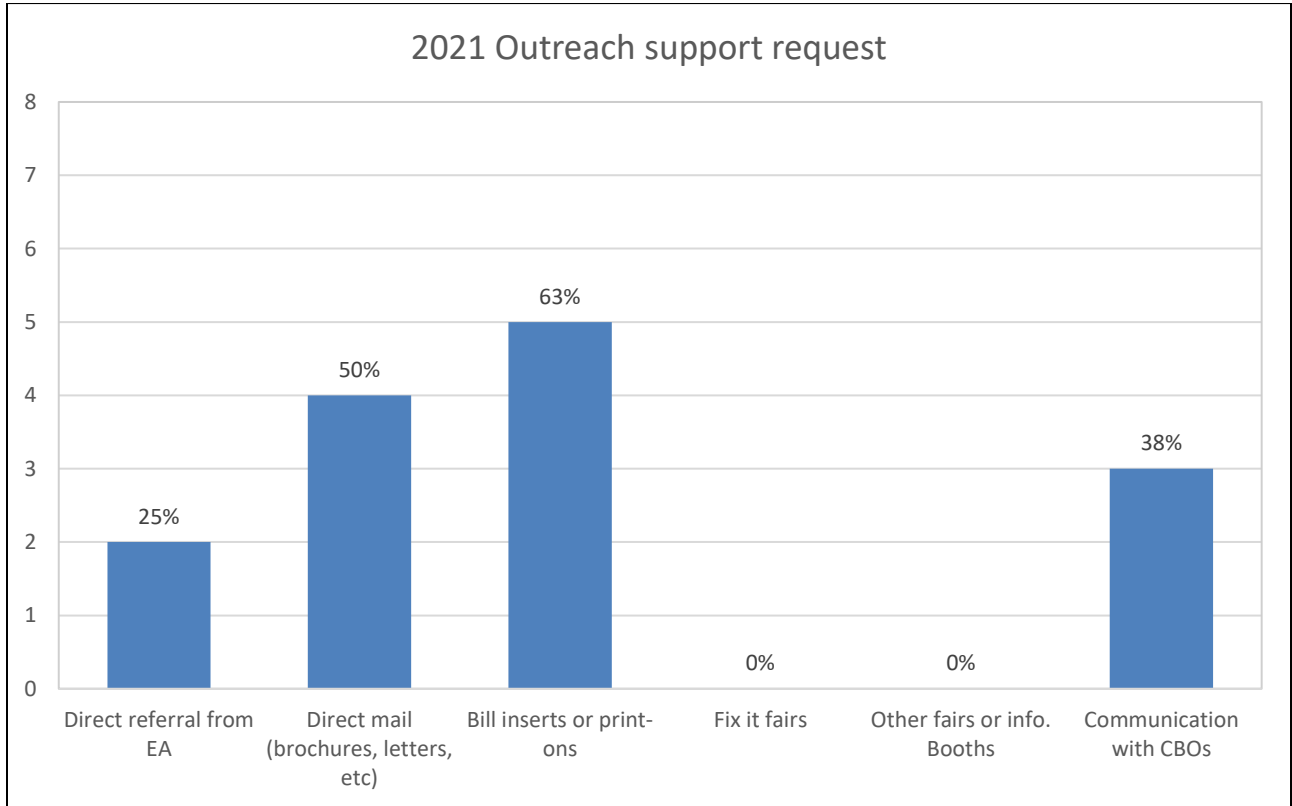
# NW Natural

## Oregon Low Income Energy Efficiency Program Annual Report to the Public Utility Commission of Oregon Program Year: October 2019- September 2020



# NW Natural

Oregon Low Income Energy Efficiency Program  
Annual Report to the Public Utility Commission of Oregon  
Program Year: October 2019- September 2020



HOUSING TYPE	DOE Units	ECHO Units	LIHEAP-Wx Units	BPA-Wx Units
Owner Single Family - Stick	7	74	81	4
Renter	2	31	28	0
Mobile Owner	12	80	91	6
Mobile Renter	0	3	3	0
Shelter (800 sq. ft. = 1 Unit)	0	0	0	0
<b>TOTAL UNITS</b>	<b>21</b>	<b>188</b>	<b>203</b>	<b>10</b>

COST EFFICIENCIES				
Weatherization				
Weatherization	19	154	165	9
Re-Weatherized	1	27	30	1
BaseLoad Only (BTUS)	1	7	8	0
<b>TOTAL WEATHERIZED</b>	<b>20</b>	<b>181</b>	<b>195</b>	<b>10</b>
Furance Replacements	8	78	29	1
Amount Spent on Replacements	\$41,960	\$172,645	\$60,641	\$2,657
Health and Safety (H/S) Units	18	118	186	9
Home Requiring H/S Repairs	18	118	186	9
Amount Spent on H/S Repairs	\$20,574	\$191,434	\$101,587	\$13,705

Total Energy Savings (ECHO ONLY)	
kWh Savings	1,230,147
Energy Savings in MMBTUS	4194

Total unduplicated number of all INDIVIDUALS for whom one or more characteristics were obtained:			534
<b>Gender</b>			<b>Number of Individuals</b>
Male			234
Female			300
Other			0
Unknown/not reported			0
<b>TOTAL</b>			<b>534</b>
<b>Age</b>			<b>Number of Individuals</b>
0-5			46
6-13			101
14-17			38
18-24			29
25-44			111
45-54			36
55-59			31
60-64			37
65-74			54
75+			51
Unknown/not reported			0
<b>TOTAL</b>			<b>534</b>
<b>Education Levels</b>			<b>Number of Individuals</b>
		ages 14-24	ages 25+
Grades 0-8			46
Grades 9-12/Non-Graduate			72
High School Grad/Equivalency Diploma			76
12 grade+ Some Post Secondary			48
2 or 4 years College Graduate			48
Grad of other Post Secondary School			15
Unknown/not reported			15
<b>TOTAL</b>			<b>320</b>
<b>Disconnected Youth</b>			<b>Number of Individuals</b>
Youth ages 14-24 who are neither working or in school			1
<b>Health</b>			<b>Number of Individuals</b>
		Yes	No
Disabling Condition	93	441	
Health Insurance	412	116	
<b>Health Insurance Sources</b>			<b>Number of Individuals</b>
Medicaid			270
Medicare			113
State Children's Health Insurance Progr			1
State Health Insurance for Adults			0
Military Health Care			9
Direct Purchase			5
Employment Based			49
Unknown/not reported			0
<b>TOTAL</b>			<b>451</b>
<b>Ethnicity/Race</b>			<b>Number of Individuals</b>
<b>Ethnicity</b>			<b>Number of Individuals</b>
Hispanic, Latino or Spanish Or			286
Not Hispanic, Latino or Spanis			247
Unknown/not reported			1
<b>TOTAL</b>			<b>534</b>
<b>Race</b>			<b>Number of Individuals</b>
American Indian or Alaska Na			6
Asian			11
Black or African American			7
Native Hawaiian and Other Pa			0
White			509
Other			0
Multi-race (two or more of th			0
Unknown/not reported			1
<b>TOTAL</b>			<b>534</b>
<b>Military Status</b>			<b>Number of Individuals</b>
Veteran			20
Active Military			0
Not a Veteran			514
Unknown/not reported			0
<b>TOTAL</b>			<b>534</b>
<b>Work Status (Individuals 18+)</b>			<b>Number of Individuals</b>
Employed Full-Time			30
Employed Part-Time			2
Migrant Seasonal Farm Worker			0
Unemployed, Short Term			4
Unemployed, Long Term			13
Unemployed, Not in Labor Force			27
Retired			54
Unknown/not reported			213
<b>TOTAL</b>			<b>349</b>

Total unduplicated number of all HOUSEHOLDS for whom one or more characteristics were obtained:		203
<b>Household Type</b>		<b>Number of Households</b>
Single Person	75	
Two Adults, No Children	21	
Single Parent Female	22	
Single Parent Male	1	
Two Parent Household	44	
Non-related Adults with Children	4	
Mutigeneration Household	33	
Other	1	
Unknown/not reported	2	
<b>TOTAL</b>		<b>203</b>
<b>Household Size</b>		<b>Number of Households</b>
Single Person	76	
Two	41	
Three	27	
Four	26	
Five	18	
Six or more	15	
Unknown/not reported	0	
<b>TOTAL</b>		<b>203</b>
<b>Housing</b>		<b>Number of Households</b>
Own	177	
Rent	26	
Other Permanent Housing	0	
Homeless	0	
Other	0	
Unknown/not reported	0	
<b>TOTAL</b>		<b>203</b>
<b>Level of Household Income</b>		<b>Number of Households</b>
Up to 50%	18	
51% to 75%	12	
76% to 100%	31	
101% to 125%	27	
126% to 150%	35	
151% to 175%	33	
176% to 200%	26	
201% to 250%	20	
251% and over	1	
Unknown/not reported	0	
<b>TOTAL</b>		<b>203</b>
<b>Sources of Household Income</b>		<b>Number of Households</b>
Income from Employment Only	36	
Income from Employment, Other Source	0	
Income from Employment, Other Source, NCB	11	
Income from Employment, NCB	33	
Income from Other Source Only	48	
Income from Other Source, NCB	68	
No Income	3	
NCB (Non-Cash Benefits) Only	4	
Unknown/not reported	0	
<b>TOTAL</b>		<b>203</b>
<b>Other Income Sources</b>		<b>Number of Households</b>
TANF	5	
Supplemental Security Income (SSI)	16	
Social Security Disability Income (SSDI)	21	
VA Service-Connected Disability Compensation	1	
VA Non-Service Connected Disability Compensation	0	
Private Disability Insurance	3	
Worker's Compensation	2	
Retirement Income from Social Security	90	
Pension	25	
Child Support	4	
Alimony or other Spousal Support	4	
Unemployment Insurance	3	
ETC	0	
Other	82	
Unknown/not reported	0	
<b>TOTAL</b>		<b>203</b>
<b>Non-Cash Benefits (NCB)</b>		<b>Number of Households</b>
SNAP	111	
WIC	10	
LIHEAP	1	
Housing Choice Voucher	0	
Public Housing	10	
Permanent Supportive Housing	0	
HUD-WASH	0	
Childcare Voucher	0	
Affordable Care Act Subsidy	0	
Other	2	
Unknown/not reported	0	

Clackamas County Social Services Divison (CCSSD)

HOUSING TYPE	DOE Units	ECHO Units	LIHEAP-Wx Units	BPA-Wx Units
Owner Single Family - Stick	9	3	9	0
Renter	0	0	0	0
Mobile Owner	5	24	13	2
Mobile Renter	0	0	0	0
Shelter (800 sq. ft. = 1 Unit)	0	0	0	0
<b>TOTAL UNITS</b>	<b>14</b>	<b>27</b>	<b>22</b>	<b>2</b>

COST EFFICIENCIES				
Weatherization				
Weatherization	14	26	21	1
Re-Weatherized	0	1	1	1
BaseLoad Only (BTUS)	0	0	0	0
<b>TOTAL WEATHERIZED</b>	<b>14</b>	<b>27</b>	<b>22</b>	<b>2</b>
Furance Replacements	0	11	5	1
Amount Spent on Replacements	\$0	\$59,547	\$12,151	\$3,800
Health and Safety (H/S) Units	11	26	14	2
Home Requiring H/S Repairs	11	26	11	2
Amount Spent on H/S Repairs	\$15,186	\$70,187	\$15,589	\$3,258

Total Energy Savings (ECHO ONLY)	
kWh Savings	211,937
Energy Savings in MMBTUS	723

Total unduplicated number of all INDIVIDUALS for whom one or more characteristics were obtained:			99
<b>Gender</b>			<b>Number of Individuals</b>
Male		46	
Female		53	
Other		0	
Unknown/not reported		0	
<b>TOTAL</b>		<b>99</b>	
<b>Age</b>			<b>Number of Individuals</b>
0-5		3	
6-13		25	
14-17		5	
18-24		7	
25-44		13	
45-54		11	
55-59		7	
60-64		7	
65-74		16	
75+		5	
Unknown/not reported		0	
<b>TOTAL</b>		<b>99</b>	
<b>Education Levels</b>			<b>Number of Individuals</b>
	ages 18-24	ages 25+	
Grades 0-8	0	4	
Grades 9-12/Non-Graduate	5	12	
High School Grad/Equivalency Diploma	5	19	
12 grade+ Some Post Secondary	0	12	
2 or 4 yrs College Graduate	0	6	
Grad of other Post Secondary School	1	5	
Unknown/not reported	1	5	
<b>TOTAL</b>	<b>11</b>	<b>58</b>	
<b>Disconnected Youth</b>			<b>Number of Individuals</b>
Youth ages 14-24 who are neither working or in school		0	
<b>Health</b>			<b>Number of Individuals</b>
	Yes	No	Unknown
Disabling Condition	23	76	0
Health Insurance	56	38	5
<b>Health Insurance Sources</b>			
Medicaid		36	
Medicare		26	
State Children's Health Insurance Progr		0	
State Health Insurance for Adults		0	
Military Health Care		6	
Direct Purchase		0	
Employment Based		5	
Unknown/not reported		0	
<b>TOTAL</b>		<b>73</b>	
<b>Ethnicity/Race</b>			<b>Number of Individuals</b>
<b>Ethnicity</b>			
Hispanic, Latino or Spanish Or		24	
Not Hispanic, Latino or Spanis		64	
Unknown/not reported		11	
<b>TOTAL</b>		<b>99</b>	
<b>Race</b>			
American Indian or Alaska Na		0	
Asian		6	
Black or African American		0	
Native Hawaiian and Other Pa		0	
White		74	
Other		0	
Multi-race (two or more of th		0	
Unknown/not reported		19	
<b>TOTAL</b>		<b>99</b>	
<b>Military Status</b>			<b>Number of Individuals</b>
veteran		7	
Active Military		0	
Not a Veteran		92	
Unknown/not reported		0	
<b>TOTAL</b>		<b>99</b>	
<b>Work Status (Individuals 18+)</b>			<b>Number of Individuals</b>
Employed Full-Time		0	
Employed Part-Time		0	
Migrant Seasonal Farm Worker		0	
Unemployed, Short Term		0	
Unemployed, Long Term		0	
Unemployed, Not in Labor Force		2	
Retired		1	
Unknown/not reported		63	
<b>TOTAL</b>		<b>66</b>	

Total unduplicated number of all HOUSEHOLDS for whom one or more characteristics were obtained:		45
<b>Household Type</b>		<b>Number of Households</b>
Single Person		23
Two Adults, No Children		2
Single Parent Female		7
Single Parent Male		3
Two Parent Household		5
Non-related Adults with Children		3
Mutgeneration Household		2
Other		0
Unknown/not reported		0
<b>TOTAL</b>		<b>45</b>
<b>Household Size</b>		<b>Number of Households</b>
Single Person		23
Two		7
Three		5
Four		5
Five		3
Six or more		2
Unknown/not reported		0
<b>TOTAL</b>		<b>45</b>
<b>Housing</b>		<b>Number of Households</b>
Own		39
Rent		6
Other Permanent Housing		0
Homeless		0
Other		0
Unknown/not reported		0
<b>TOTAL</b>		<b>45</b>
<b>Level of Household Income</b>		<b>Number of Households</b>
Up to 50%		4
51% to 75%		2
76% to 100%		6
101% to 125%		3
126% to 150%		10
151% to 175%		10
176% to 200%		8
201% to 250%		2
251% and over		0
Unknown/not reported		0
<b>TOTAL</b>		<b>45</b>
<b>Sources of Household Income</b>		<b>Number of Households</b>
Income from Employment Only		7
Income from Employment, Other Source		2
Income from Employment, Other Source, NCB		2
Income from Employment, NCB		3
Income from Other Source Only		30
Income from Other Source, NCB		19
No Income		1
NCB (Non-Cash Benefits) Only		1
Unknown/not reported		0
<b>TOTAL</b>		<b>45</b>
<b>Other Income Sources</b>		<b>Number of Households</b>
TANF		1
Supplemental Security Income (SSI)		3
Social Security Disability Income (SSDI)		2
VA Service-Connected Disability Compensation		1
VA Non-Service Connected Disability Compensation		1
Private Disability Insurance		0
Worker's Compensation		0
Retirement Income from Social Security		25
Pension		6
Child Support		0
Alimony or other Spousal Support		0
Unemployment Insurance		0
EITC		0
Other		16
Unknown/not reported		0
<b>TOTAL</b>		<b>45</b>
<b>Non-Cash Benefits (NCB)</b>		<b>Number of Households</b>
SNAP		25
WIC		1
LIHEAP		0
Housing Choice Voucher		0
Public Housing		0
Permanent Supportive Housing		0
HUD-VASH		0
Childcare Voucher		0
Affordable Care Act Subsidy		0
Other		1
Unknown/not reported		0

HOUSING TYPE	DOE	ECHO Units	LIHEAP-Wx	BPA-Wx	Units
	Units		Units	Units	
Owner Single Family - Stick	36	12	21	0	0
Renter	1	33	29	0	0
Mobile Owner	14	66	39	0	0
Mobile Renter	0	1	1	0	0
Shelter (800 sq. ft. = 1 Unit)	0	0	0	0	0
<b>TOTAL UNITS</b>	<b>51</b>	<b>112</b>	<b>90</b>	<b>0</b>	<b>0</b>

COST EFFICIENCIES					
Weatherization					
Weatherization	51	112	89	0	0
Re-Weatherized	0	0	1	0	0
BaseLoad Only (BTUS)	0	0	0	0	0
<b>TOTAL WEATHERIZED</b>	<b>51</b>	<b>112</b>	<b>90</b>	<b>0</b>	<b>0</b>
Furance Replacements	8	90	57	0	0
Amount Spent on Replacements	\$40,390	\$465,479	\$142,203	\$0	\$0
Health and Safety (H/S) Units	43	106	13	0	0
Home Requiring H/S Repairs	43	106	13	0	0
Amount Spent on H/S Repairs	\$52,004	\$126,926	\$10,673	\$0	\$0

Total Energy Savings (ECHO ONLY)	
kWh Savings	837,883
Energy Savings in MMBTUS	2857

Total unduplicated number of all INDIVIDUALS for whom one or more characteristics were obtained:		601	
<b>Gender</b>		<b>Number of Individuals</b>	
Male	259		
Female	342		
Other	0		
Unknown/not reported	0		
<b>TOTAL</b>	<b>601</b>		
<b>Age</b>		<b>Number of Individuals</b>	
0-5	62		
6-13	129		
14-17	62		
18-24	40		
25-44	166		
45-54	47		
55-59	18		
60-64	21		
65-74	47		
75+	9		
Unknown/not reported	0		
<b>TOTAL</b>	<b>601</b>		
<b>Education Levels</b>		<b>Number of Individuals</b>	
	ages 14-24	ages 25+	
Grades 0-8	38	81	
Grades 9-12/Non-Graduate	41	51	
High School Grad/Equivalency Diploma	17	109	
12 grade+ Some Post Secondary	1	27	
2 or 4 years College Graduate	0	20	
Grad of other Post Secondary School	0	3	
Unknown/not reported	0	9	
<b>TOTAL</b>	<b>97</b>	<b>300</b>	
<b>Disconnected Youth</b>		<b>Number of Individuals</b>	
Youth ages 14-24 who are neither working or in school		0	
<b>Health</b>		<b>Number of Individuals</b>	
	Yes	No	Unknown
Disabling Condition	491	551	1
Health Insurance	460	132	9
<b>Health Insurance Sources</b>			
Medicaid	308		
Medicare	33		
State Children's Health Insurance Progr	17		
State Health Insurance for Adults	0		
Military Health Care	3		
Direct Purchase	0		
Employment Based	108		
Unknown/not reported	0		
<b>TOTAL</b>	<b>469</b>		
<b>Ethnicity/Race</b>		<b>Number of Individuals</b>	
<b>Ethnicity</b>			
Hispanic, Latino or Spanish Or	378		
Not Hispanic, Latino or Spanis	220		
Unknown/not reported	3		
<b>TOTAL</b>	<b>601</b>		
<b>Race</b>			
American Indian or Alaska Na	6		
Asian	2		
Black or African American	29		
Native Hawaiian and Other Pa	9		
White	292		
Other	0		
Multi-race (two or more of th	6		
Unknown/not reported	257		
<b>TOTAL</b>	<b>601</b>		
<b>Military Status</b>		<b>Number of Individuals</b>	
Veteran	10		
Active Military	0		
Not a Veteran	591		
Unknown/not reported	0		
<b>TOTAL</b>	<b>601</b>		
<b>Work Status (Individuals 18+)</b>		<b>Number of Individuals</b>	
Employed Full-Time	1		
Employed Part-Time	1		
Migrant Seasonal Farm Worker	0		
Unemployed, Short Term	0		
Unemployed, Long Term	0		
Unemployed, Not in Labor Force	1		
Retired	7		
Unknown/not reported	343		
<b>TOTAL</b>	<b>348</b>		

Total unduplicated number of all HOUSEHOLDS for whom one or more characteristics were obtained:		195	
<b>Household Type</b>		<b>Number of Households</b>	
Single Person	52		
Two Adults, No Children	9		
Single Parent Female	38		
Single Parent Male	2		
Two Parent Household	69		
Non-related Adults with Children	5		
Mutigereneration Household	19		
Other	0		
Unknown/not reported	1		
<b>TOTAL</b>	<b>195</b>		
<b>Household Size</b>		<b>Number of Households</b>	
Single Person	54		
Two	30		
Three	30		
Four	34		
Five	27		
Six or more	20		
Unknown/not reported	0		
<b>TOTAL</b>	<b>195</b>		
<b>Housing</b>		<b>Number of Households</b>	
Own	130		
Rent	65		
Other Permanent Housing	0		
Homeless	0		
Other	0		
Unknown/not reported	0		
<b>TOTAL</b>	<b>195</b>		
<b>Level of Household Income</b>		<b>Number of Households</b>	
Up to 50%	18		
51% to 75%	17		
76% to 100%	27		
101% to 125%	24		
126% to 150%	36		
151% to 175%	31		
176% to 200%	26		
201% to 250%	14		
251% and over	2		
Unknown/not reported	0		
<b>TOTAL</b>	<b>195</b>		
<b>Sources of Household Income</b>		<b>Number of Households</b>	
Income from Employment Only	49		
Income from Employment, Other Source	10		
Income from Employment, Other Source, NCB	13		
Income from Employment, NCB	48		
Income from Other Source Only	27		
Income from Other Source, NCB	41		
No Income	5		
NCB (Non-Cash Benefits) Only	2		
Unknown/not reported	0		
<b>TOTAL</b>	<b>195</b>		
<b>Other Income Sources</b>		<b>Number of Households</b>	
TANF	9		
Supplemental Security Income (SSI)	29		
Social Security Disability Income (SSDI)	8		
VA Service-Connected Disability Compensation	0		
VA Non-Service Connected Disability Compensation	0		
Private Disability Insurance	0		
Worker's Compensation	0		
Retirement Income from Social Security	34		
Pension	7		
Child Support	7		
Alimony or other Spousal Support	1		
Unemployment Insurance	6		
ETC	0		
Other	132		
Unknown/not reported	0		
<b>TOTAL</b>	<b>195</b>		
<b>Non-Cash Benefits (NCB)</b>		<b>Number of Households</b>	
SNAP	98		
WIC	19		
LIHEAP	0		
Housing Choice Voucher	0		
Public Housing	9		
Permanent Supportive Housing	0		
HUD-WASH	0		
Childcare Voucher	0		
Affordable Care Act Subsidy	0		
Other	8		
Unknown/not reported	0		

Mid-Willamette Valley Community Action Agency (MWVCAA)

HOUSING TYPE	DOE Units	ECHO Units	LIHEAP-Wx Units	BPA-Wx Units
Owner Single Family - Stick	8	6	28	4
Renter	0	2	4	1
Mobile Owner	5	43	22	0
Mobile Renter	0	3	0	0
Shelter (800 sq. ft. = 1 Unit)	0	0	0	0
<b>TOTAL UNITS</b>	<b>13</b>	<b>54</b>	<b>54</b>	<b>5</b>

COST EFFICIENCIES				
Weatherization				
Weatherization	13	53	53	5
Re-Weatherized	0	1	1	0
BaseLoad Only (BTUS)	0	0	0	0
<b>TOTAL WEATHERIZED</b>	<b>13</b>	<b>54</b>	<b>54</b>	<b>5</b>
Furance Replacements	3	28	17	4
Amount Spent on Replacements	\$18,845	\$11,230	\$74,437	\$15,300
Health and Safety (H/S) Units	12	50	46	5
Home Requiring H/S Repairs	12	50	44	5
Amount Spent on H/S Repairs	\$12,702	\$63,555	\$66,097	\$11,920

Total Energy Savings (ECHO ONLY)	
kWh Savings	388,589
Energy Savings in MMBTUS	1325

Total unduplicated number of all INDIVIDUALS for whom one or more characteristics were obtained:			273
<b>Gender</b>			<b>Number of Individuals</b>
Male		123	
Female		150	
Other		0	
Unknown/not reported		0	
<b>TOTAL</b>		<b>273</b>	
<b>Age</b>			<b>Number of Individuals</b>
0-5		25	
6-13		42	
14-17		19	
18-24		19	
25-44		42	
45-54		34	
55-59		18	
60-64		16	
65-74		28	
75+		30	
Unknown/not reported		0	
<b>TOTAL</b>		<b>273</b>	
<b>Education Levels</b>			<b>Number of Individuals</b>
	ages 14-24	ages 25+	
Grades 0-8	25	38	
Grades 9-12/Non-Graduate	7	28	
High School Grad/Equivalency Diploma	2	54	
12 grade+ Some Post Secondary	2	22	
2 or 4 years College Graduate	0	22	
Grad of other Post Secondary School	1	2	
Unknown/not reported	1	2	
<b>TOTAL</b>	<b>37</b>	<b>168</b>	
<b>Disconnected Youth</b>			<b>Number of Individuals</b>
Youth ages 14-24 who are neither working or in school		0	
<b>Health</b>			<b>Number of Individuals</b>
	Yes	No	Unknown
Disabling Condition	49	224	0
Health Insurance	233	54	6
<b>Health Insurance Sources</b>			
Medicaid		161	
Medicare		47	
State Children's Health Insurance Progr		0	
State Health Insurance for Adults		0	
Military Health Care		4	
Direct Purchase		0	
Employment Based		23	
Unknown/not reported		0	
<b>TOTAL</b>		<b>235</b>	
<b>Ethnicity/Race</b>			<b>Number of Individuals</b>
<b>Ethnicity</b>			
Hispanic, Latino or Spanish Or		145	
Not Hispanic, Latino or Spanis		128	
Unknown/not reported		0	
<b>TOTAL</b>		<b>273</b>	
<b>Race</b>			
American Indian or Alaska Na		5	
Asian		4	
Black or African American		0	
Native Hawaiian and Other Pa		1	
White		216	
Other		0	
Multi-race (two or more of th		4	
Unknown/not reported		43	
<b>TOTAL</b>		<b>273</b>	
<b>Military Status</b>			<b>Number of Individuals</b>
veteran		8	
Active Military		0	
Not a Veteran		265	
Unknown/not reported		0	
<b>TOTAL</b>		<b>273</b>	
<b>Work Status (Individuals 18+)</b>			<b>Number of Individuals</b>
Employed Full-Time		0	
Employed Part-Time		0	
Migrant Seasonal Farm Worker		0	
Unemployed, Short Term		0	
Unemployed, Long Term		0	
Unemployed, Not in Labor Force		0	
Retired		0	
Unknown/not reported		187	
<b>TOTAL</b>		<b>187</b>	

Total unduplicated number of all HOUSEHOLDS for whom one or more characteristics were obtained:		105
<b>Household Type</b>		<b>Number of Households</b>
Single Person		41
Two Adults, No Children		13
Single Parent Female		8
Single Parent Male		1
Two Parent Household		23
Non-related Adults with Children		6
Mutgeneration Household		9
Other		0
Unknown/not reported		4
<b>TOTAL</b>		<b>105</b>
<b>Household Size</b>		<b>Number of Households</b>
Single Person		42
Two		22
Three		12
Four		14
Five		3
Six or more		12
Unknown/not reported		0
<b>TOTAL</b>		<b>105</b>
<b>Housing</b>		<b>Number of Households</b>
Own		91
Rent		14
Other Permanent Housing		0
Homeless		0
Other		0
Unknown/not reported		0
<b>TOTAL</b>		<b>105</b>
<b>Level of Household Income</b>		<b>Number of Households</b>
Up to 50%		3
51% to 75%		3
76% to 100%		18
101% to 125%		18
126% to 150%		14
151% to 175%		16
176% to 200%		22
201% to 250%		10
251% and over		1
Unknown/not reported		0
<b>TOTAL</b>		<b>106</b>
<b>Sources of Household Income</b>		<b>Number of Households</b>
Income from Employment Only		15
Income from Employment, Other Source		2
Income from Employment, Other Source, NCB		8
Income from Employment, NCB		17
Income from Other Source Only		23
Income from Other Source, NCB		39
No Income		0
NCB (Non-Cash Benefits) Only		1
Unknown/not reported		0
<b>TOTAL</b>		<b>105</b>
<b>Other Income Sources</b>		<b>Number of Households</b>
TANF		2
Supplemental Security Income (SSI)		13
Social Security Disability Income (SSDI)		10
VA Service-Connected Disability Compensation		2
VA Non-Service Connected Disability Compensation		0
Private Disability Insurance		1
Worker's Compensation		0
Retirement Income from Social Security		49
Pension		11
Child Support		3
Alimony or other Spousal Support		0
Unemployment Insurance		3
EITC		0
Other		52
Unknown/not reported		0
<b>Non-Cash Benefits (NCB)</b>	<b>Number of Households</b>	
SNAP		64
WIC		10
LIHEAP		0
Housing Choice Voucher		0
Public Housing		0
Permanent Supportive Housing		0
HUD-VASH		0
Childcare Voucher		0
Affordable Care Act Subsidy		1
Other		1
Unknown/not reported		0

HOUSING TYPE				
	DOE Units	ECHO Units	LIHEAP-Wx Units	BPA-Wx Units
Owner Single Family - Stick	2	2	7	2
Renter	0	0	0	0
Mobile Owner	2	3	4	1
Mobile Renter	0	0	0	0
Shelter (800 sq. ft. = 1 Unit)	0	0	0	0
<b>TOTAL UNITS</b>	<b>4</b>	<b>5</b>	<b>11</b>	<b>3</b>

COST EFFICIENCIES				
Weatherization				
Weatherization	4	5	10	3
Re-Weatherized	0	0	1	0
BaseLoad Only (BTUS)	0	0	0	0
<b>TOTAL WEATHERIZED</b>	<b>4</b>	<b>5</b>	<b>11</b>	<b>3</b>
Furance Replacements	1	2	1	0
Amount Spent on Replacements	\$1,702	\$10,087	\$1,215	\$0
Health and Safety (H/S) Units	2	3	10	2
Home Requiring H/S Repairs	2	3	10	2
Amount Spent on H/S Repairs	\$1,298	\$3,881	\$3,649	\$1,794

Total Energy Savings (ECHO ONLY)	
kWh Savings	52,456
Energy Savings in MMBTUS	179

Total unduplicated number of all INDIVIDUALS for whom one or more characteristics were obtained:		26
<b>Gender</b>		
Male	Number of Individuals	10
Female		16
Other		0
Unknown/not reported		0
<b>TOTAL</b>		<b>26</b>
<b>Age</b>		
0-5	Number of Individuals	1
6-13		6
14-17		0
18-24		1
25-44		6
45-54		1
55-59		0
60-64		4
65-74		4
75+		3
Unknown/not reported		0
<b>TOTAL</b>		<b>26</b>
<b>Education Levels</b>		
	Number of Individuals	
	ages 18-24	ages 25+
Grades 0-8	0	2
Grades 9-12/Non-Graduate	0	4
High School Grad/Equivalency Diploma	0	4
12 grade+ Some Post Secondary	1	3
2 or 4 yrs College Graduate	0	3
Grad of other Post Secondary School	0	1
Unknown/not reported	0	0
<b>TOTAL</b>	<b>1</b>	<b>18</b>
<b>Disconnected Youth</b>		
Youth ages 14-24 who are neither working or in school	Number of Individuals	0
<b>Health</b>		
	Number of Individuals	
	Yes	No
Disabling Condition	3	17
Health Insurance	7	18
<b>Health Insurance Sources</b>		
Medicaid		3
Medicare		4
State Children's Health Insurance Progr		0
State Health Insurance for Adults		0
Military Health Care		0
Direct Purchase		0
Employment Based		0
Unknown/not reported		0
<b>TOTAL</b>	<b>7</b>	<b>7</b>
<b>Ethnicity/Race</b>		
	Number of Individuals	
<b>Ethnicity</b>		
Hispanic, Latino or Spanish Or		12
Not Hispanic, Latino or Spanis		13
Unknown/not reported		1
<b>TOTAL</b>		<b>26</b>
<b>Race</b>		
American Indian or Alaska Na		0
Asian		0
Black or African American		0
Native Hawaiian and Other Pa		0
White		26
Other		0
Multi-race (two or more of th		0
Unknown/not reported		0
<b>TOTAL</b>		<b>26</b>
<b>Military Status</b>		
	Number of Individuals	
Veteran		0
Active Military		0
Not a Veteran		26
Unknown/not reported		0
<b>TOTAL</b>		<b>26</b>
<b>Work Status (Individuals 18+)</b>		
	Number of Individuals	
Employed Full-Time		0
Employed Part-Time		0
Migrant Seasonal Farm Worker		0
Unemployed, Short Term		0
Unemployed, Long Term		0
Unemployed, Not in Labor Force		0
Retired		13
Unknown/not reported		13
<b>TOTAL</b>		<b>19</b>

Total unduplicated number of all HOUSEHOLDS for whom one or more characteristics were obtained:		11
<b>Household Type</b>		
Single Person	Number of Households	4
Two Adults, No Children		2
Single Parent Female		1
Single Parent Male		0
Two Parent Household		0
Non-related Adults with Children		3
Mutgeneration Household		1
Other		0
Unknown/not reported		0
<b>TOTAL</b>		<b>11</b>
<b>Household Size</b>		
	Number of Households	
Single Person		4
Two		5
Three		0
Four		0
Five		1
Six or more		1
Unknown/not reported		0
<b>TOTAL</b>		<b>11</b>
<b>Housing</b>		
	Number of Households	
Own		10
Rent		1
Other Permanent Housing		0
Homeless		0
Other		0
Unknown/not reported		0
<b>TOTAL</b>		<b>11</b>
<b>Level of Household Income</b>		
	Number of Households	
Up to 50%		0
51% to 75%		0
76% to 100%		1
101% to 125%		3
126% to 150%		3
151% to 175%		2
176% to 200%		2
201% to 250%		0
251% and over		0
Unknown/not reported		0
<b>TOTAL</b>		<b>11</b>
<b>Sources of Household Income</b>		
	Number of Households	
Income from Employment Only		1
Income from Employment, Other Source		0
Income from Employment, Other Source, NCB		2
Income from Employment, NCB		1
Income from Other Source Only		3
Income from Other Source, NCB		4
No Income		0
NCB (Non-Cash Benefits) Only		0
Unknown/not reported		0
<b>TOTAL</b>		<b>11</b>
<b>Other Income Sources</b>		
	Number of Households	
TANF		0
Supplemental Security Income (SSI)		0
Social Security Disability Income (SSDI)		3
VA Service-Connected Disability Compensation		0
VA Non-Service Connected Disability Compensation		0
Private Disability Insurance		0
Worker's Compensation		0
Retirement Income from Social Security		7
Pension		1
Child Support		0
Alimony or other Spousal Support		0
Unemployment Insurance		0
EITC		0
Other		5
Unknown/not reported		0
<b>TOTAL</b>		<b>17</b>
<b>Non-Cash Benefits (NCB)</b>		
	Number of Households	
SNAP		7
WIC		0
LIHEAP		0
Housing Choice Voucher		0
Public Housing		0
Permanent Supportive Housing		0
HUD-VASH		0
Childcare Voucher		0
Affordable Care Act Subsidy		0
Other		0
Unknown/not reported		0

July 1, 2019 to June 30, 2020

HOUSING TYPE	DOE			
	Units	ECHO Units	LIHEAP-Wx Units	BPA-Wx Units
Owner Single Family - Stick	2	6	26	2
Renter	0	0	2	0
Mobile Owner	10	27	28	2
Mobile Renter	1	3	1	0
Shelter (800 sq. ft. = 1 Unit)	0	0	0	0
<b>TOTAL UNITS</b>	<b>13</b>	<b>36</b>	<b>57</b>	<b>4</b>

COST EFFICIENCIES				
Weatherization				
Weatherization	13	35	54	3
Re-Weatherized	0	1	3	1
BaseLoad Only (BTUS)	0	0	0	0
<b>TOTAL WEATHERIZED</b>	<b>13</b>	<b>36</b>	<b>57</b>	<b>4</b>
Furance Replacements	1	8	6	1
Amount Spent on Replacements	\$2,909	\$29,059	\$15,244	\$3,793
Health and Safety (H/S) Units	13	36	44	4
Home Requiring H/S Repairs	13	36	44	4
Amount Spent on H/S Repairs	\$12,472	\$46,962	\$39,718	\$4,909.93

Total Energy Savings (ECHO ONLY)	
KWh Savings	350,197
Energy Savings in MMBTUS	1194

Total unduplicated number of all INDIVIDUALS for whom one or more characteristics were obtained:			192
<b>Gender</b>			
	Number of Individuals		
Male	79		
Female	113		
Other	0		
Unknown/not reported	0		
<b>TOTAL</b>	<b>192</b>		
<b>Age</b>			
	Number of Individuals		
0-5	16		
6-13	27		
14-17	10		
18-24	9		
25-44	30		
45-54	13		
55-59	10		
60-64	26		
65-74	37		
75+	14		
Unknown/not reported	0		
<b>TOTAL</b>	<b>192</b>		
<b>Education Levels</b>			
	Number of Individuals		
	ages 14-24	ages 25+	
Grades 0-8	7	5	
Grades 9-12/Non-Graduate	10	31	
High School Grad/Equivalency Diploma	2	47	
12 grade+ Some Post Secondary	0	26	
2 or 4 years College Graduate	0	20	
Grad of other Post Secondary School	0	1	
Unknown/not reported	0	0	
<b>TOTAL</b>	<b>19</b>	<b>130</b>	
<b>Disconnected Youth</b>			
	Number of Individuals		
Youth ages 14-24 who are neither working or in school	0		
<b>Health</b>			
	Number of Individuals		
	Yes	No	Unknown
Disabling Condition	33	159	0
Health Insurance	173	17	2
<b>Health Insurance Sources</b>			
	Number of Individuals		
Medicaid	126		
Medicare	57		
State Children's Health Insurance Progr	0		
State Health Insurance for Adults	0		
Military Health Care	6		
Direct Purchase	0		
Employment Based	19		
Unknown/not reported	0		
<b>TOTAL</b>	<b>208</b>		
<b>Ethnicity/Race</b>			
	Number of Individuals		
<b>Ethnicity</b>			
Hispanic, Latino or Spanish Or	36		
Not Hispanic, Latino or Spanis	156		
Unknown/not reported	0		
<b>TOTAL</b>	<b>192</b>		
<b>Race</b>			
American Indian or Alaska Na	0		
Asian	0		
Black or African American	1		
Native Hawaiian and Other Pa	0		
White	190		
Other	0		
Multi-race (two or more of th	1		
Unknown/not reported	0		
<b>TOTAL</b>	<b>192</b>		
<b>Military Status</b>			
	Number of Individuals		
veteran	12		
Active Military	0		
Not a Veteran	180		
Unknown/not reported	0		
<b>TOTAL</b>	<b>192</b>		
<b>Work Status (Individuals 18+)</b>			
	Number of Individuals		
Employed Full-Time	2		
Employed Part-Time	1		
Migrant Seasonal Farm Worker	0		
Unemployed, Short Term	0		
Unemployed, Long Term	0		
Unemployed, Not in Labor Force	3		
Retired	3		
Unknown/not reported	130		
<b>TOTAL</b>	<b>139</b>		

Total unduplicated number of all HOUSEHOLDS for whom one or more characteristics were obtained:			94
<b>Household Type</b>			
	Number of Households		
Single Person	44		
Two Adults, No Children	14		
Single Parent Female	6		
Single Parent Male	4		
Two Parent Household	9		
Non-related Adults with Children	6		
Mutgeneration Household	4		
Other	7		
Unknown/not reported	0		
<b>TOTAL</b>	<b>94</b>		
<b>Household Size</b>			
	Number of Households		
Single Person	46		
Two	25		
Three	10		
Four	6		
Five	3		
Six or more	4		
Unknown/not reported	0		
<b>TOTAL</b>	<b>94</b>		
<b>Housing</b>			
	Number of Households		
Own	87		
Rent	7		
Other Permanent Housing	0		
Homeless	0		
Other	0		
Unknown/not reported	0		
<b>TOTAL</b>	<b>94</b>		
<b>Level of Household Income</b>			
	Number of Households		
Up to 50%	11		
51% to 75%	7		
76% to 100%	15		
101% to 125%	16		
126% to 150%	17		
151% to 175%	9		
176% to 200%	13		
201% to 250%	6		
251% and over	0		
Unknown/not reported	0		
<b>TOTAL</b>	<b>94</b>		
<b>Sources of Household Income</b>			
	Number of Households		
Income from Employment Only	8		
Income from Employment, Other Source	2		
Income from Employment, Other Source, NCB	7		
Income from Employment, NCB	18		
Income from Other Source Only	19		
Income from Other Source, NCB	36		
No Income	0		
NCB (Non-Cash Benefits) Only	4		
Unknown/not reported	0		
<b>TOTAL</b>	<b>94</b>		
<b>Other Income Sources</b>			
	Number of Households		
TANF	2		
Supplemental Security Income (SSI)	7		
Social Security Disability Income (SSDI)	11		
VA Service-Connected Disability Compensation	0		
VA Non-Service Connected Disability Compensation	0		
Private Disability Insurance	0		
Worker's Compensation	0		
Retirement Income from Social Security	50		
Pension	8		
Child Support	0		
Alimony or other Spousal Support	0		
Unemployment Insurance	2		
EITC	0		
Other	38		
Unknown/not reported	0		
<b>TOTAL</b>	<b>94</b>		
<b>Non-Cash Benefits (NCB)</b>			
	Number of Households		
SNAP	62		
WIC	8		
LIHEAP	0		
Housing Choice Voucher	0		
Public Housing	0		
Permanent Supportive Housing	0		
HUD-VASH	0		
Childcare Voucher	0		
Affordable Care Act Subsidy	0		
Other	4		
Unknown/not reported	0		



July 1, 2019 to June 30, 2020

HOUSING TYPE	DOE	ECHO	LIHEAP-Wx	BPA-Wx	Units
	Units	Units	Units	Units	
Owner Single Family - Stick	1	2	6	0	0
Renter	1	1	3	1	1
Mobile Owner	0	4	12	3	3
Mobile Renter	0	1	1	0	0
Shelter (800 sq. ft. = 1 Unit)	0	0	0	0	0
<b>TOTAL UNITS</b>	<b>2</b>	<b>8</b>	<b>22</b>	<b>4</b>	<b>4</b>

COST EFFICIENCIES					
Weatherization					
Weatherization	2	7	21	4	4
Re-Weatherized	0	1	1	0	0
BaseLoad Only (BTUS)	0	0	0	0	0
<b>TOTAL WEATHERIZED</b>	<b>2</b>	<b>8</b>	<b>22</b>	<b>4</b>	<b>4</b>
Furance Replacements	0	2	13	0	0
Amount Spent on Replacements	\$0	\$7,990	\$50,211	\$0	\$0
Health and Safety (H/S) Units	1	7	22	3	3
Home Requiring H/S Repairs	1	7	22	3	3
Amount Spent on H/S Repairs	\$950	\$5,471	\$46,040	\$3,475	\$3,475

Total Energy Savings (ECHO ONLY)	
KWh Savings	53,673
Energy Savings in MMBTUS	183

Total unduplicated number of all INDIVIDUALS for whom one or more characteristics were obtained: 62

Gender	Number of Individuals	
Male	28	
Female	34	
Other	0	
Unknown/not reported	0	
<b>TOTAL</b>	<b>62</b>	

Age	Number of Individuals	
0-5	3	
6-13	16	
14-17	5	
18-24	4	
25-44	11	
45-54	2	
55-59	0	
60-64	5	
65-74	7	
75+	9	
Unknown/not reported	0	
<b>TOTAL</b>	<b>62</b>	

Education Levels	Number of Individuals	
	ages 18-24	ages 25+
Grades 0-8	4	5
Grades 9-12/Non-Graduate	3	8
High School Grad/Equivalency Diploma	2	18
12 grade+ Some Post Secondary	0	2
2 or 4 yrs College Graduate	0	1
Grad of other Post Secondary School	0	0
Unknown/not reported	0	0
<b>TOTAL</b>	<b>9</b>	<b>34</b>

Disconnected Youth	Number of Individuals	
Youth ages 14-24 who are neither working or in school	0	

Health	Number of Individuals		
	Yes	No	Unknown
Disabling Condition	7	55	0
Health Insurance	59	3	0

Health Insurance Sources	Number of Individuals
Medicaid	42
Medicare	14
State Children's Health Insurance Progr	0
State Health Insurance for Adults	0
Military Health Care	0
Direct Purchase	0
Employment Based	11
Unknown/not reported	0
<b>TOTAL</b>	<b>67</b>

Ethnicity/Race	Number of Individuals	
<b>Ethnicity</b>		
Hispanic, Latino or Spanish Or	13	
Not Hispanic, Latino or Spanis	49	
Unknown/not reported	0	
<b>TOTAL</b>	<b>62</b>	
<b>Race</b>		
American Indian or Alaska Na	7	
Asian	0	
Black or African American	0	
Native Hawaiian and Other Pa	0	
White	54	
Other	0	
Multi-race (two or more of th	1	
Unknown/not reported	0	
<b>TOTAL</b>	<b>62</b>	

Military Status	Number of Individuals	
veteran	2	
Active Military	0	
Not a Veteran	60	
Unknown/not reported	0	
<b>TOTAL</b>	<b>62</b>	

Work Status (Individuals 18+)	Number of Individuals	
Employed Full-Time	0	
Employed Part-Time	0	
Migrant Seasonal Farm Worker	0	
Unemployed, Short Term	0	
Unemployed, Long Term	0	
Unemployed, Not in Labor Force	0	
Retired	0	
Unknown/not reported	38	
<b>TOTAL</b>	<b>38</b>	

Total unduplicated number of all HOUSEHOLDS for whom one or more characteristics were obtained: 23

Household Type	Number of Households	
Single Person	7	
Two Adults, No Children	6	
Single Parent Female	2	
Single Parent Male	0	
Two Parent Household	4	
Non-related Adults with Children	1	
Mutgeneration Household	3	
Other	0	
Unknown/not reported	0	
<b>TOTAL</b>	<b>23</b>	

Household Size	Number of Households	
Single Person	7	
Two	8	
Three	2	
Four	1	
Five	2	
Six or more	3	
Unknown/not reported	0	
<b>TOTAL</b>	<b>23</b>	

Housing	Number of Households	
Own	17	
Rent	6	
Other Permanent Housing	0	
Homeless	0	
Other	0	
Unknown/not reported	0	
<b>TOTAL</b>	<b>23</b>	

Level of Household Income	Number of Households	
Up to 50%	2	
51% to 75%	3	
76% to 100%	2	
101% to 125%	5	
126% to 150%	6	
151% to 175%	3	
176% to 200%	1	
201% to 250%	1	
251% and over	0	
Unknown/not reported	0	
<b>TOTAL</b>	<b>23</b>	

Sources of Household Income	Number of Households	
Income from Employment Only	0	
Income from Employment, Other Source	1	
Income from Employment, Other Source, NCB	3	
Income from Employment, NCB	5	
Income from Other Source Only	4	
Income from Other Source, NCB	10	
No Income	0	
NCB (Non-Cash Benefits) Only	0	
Unknown/not reported	0	
<b>TOTAL</b>	<b>23</b>	

Other Income Sources	Number of Households	
TANF	2	
Supplemental Security Income (SSI)	3	
Social Security Disability Income (SSDI)	1	
VA Service-Connected Disability Compensation	0	
VA Non-Service Connected Disability Compensation	0	
Private Disability Insurance	0	
Worker's Compensation	0	
Retirement Income from Social Security	12	
Pension	2	
Child Support	0	
Alimony or other Spousal Support	1	
Unemployment Insurance	0	
EITC	0	
Other	12	
Unknown/not reported	0	

Non-Cash Benefits (NCB)	Number of Households	
SNAP	18	
WIC	0	
LIHEAP	0	
Housing Choice Voucher	0	
Public Housing	0	
Permanent Supportive Housing	0	
HUD-VASH	0	
Childcare Voucher	0	
Affordable Care Act Subsidy	0	
Other	2	
Unknown/not reported	0	

July 1, 2019 to June 30, 2020

HOUSING TYPE				
	DOE Units	ECHO Units	LIHEAP-Wx Units	BPA-Wx Units
Owner Single Family - Stick	2	1	3	1
Renter	1	0	1	0
Mobile Owner	5	2	6	3
Mobile Renter	0	0	0	0
Shelter (800 sq. ft. = 1 Unit)	0	0	0	0
<b>TOTAL UNITS</b>	<b>8</b>	<b>3</b>	<b>10</b>	<b>4</b>

COST EFFICIENCIES				
Weatherization				
Weatherization	8	2	10	4
Re-Weatherized	0	1	0	0
BaseLoad Only (BTUS)	0	0	0	0
<b>TOTAL WEATHERIZED</b>	<b>8</b>	<b>3</b>	<b>10</b>	<b>4</b>
Furance Replacements	0	2	3	3
Amount Spent on Replacements	\$0	\$10,400	\$6,520	\$6,350
Health and Safety (H/S) Units	2	1	2	2
Home Requiring H/S Repairs	7	1	7	2
Amount Spent on H/S Repairs	\$6,081	\$1,176	\$4,665	\$4,038

Total Energy Savings (ECHO ONLY)	
KWh Savings	34,081
Energy Savings in MMBTUS	116

Total unduplicated number of all INDIVIDUALS for whom one or more characteristics were obtained:			36
<b>Gender</b>			<b>Number of Individuals</b>
Male		12	
Female		24	
Other		0	
Unknown/not reported		0	
<b>TOTAL</b>		<b>36</b>	
<b>Age</b>			<b>Number of Individuals</b>
0-5		1	
6-13		5	
14-17		2	
18-24		0	
25-44		6	
45-54		3	
55-59		2	
60-64		2	
65-74		10	
75+		5	
Unknown/not reported		0	
<b>TOTAL</b>		<b>36</b>	
<b>Education Levels</b>			<b>Number of Individuals</b>
	ages 14-24	ages 25+	
Grades 0-8	1	1	
Grades 9-12/Non-Graduate	0	2	
High School Grad/Equivalency Diploma	0	14	
12 grade+ Some Post Secondary	0	4	
2 or 4 yrs College Graduate	0	5	
Grad of other Post Secondary School	0	0	
Unknown/not reported	0	0	
<b>TOTAL</b>	<b>1</b>	<b>26</b>	
<b>Disconnected Youth</b>			<b>Number of Individuals</b>
Youth ages 14-24 who are neither working or in school		0	
<b>Health</b>			<b>Number of Individuals</b>
	Yes	No	Unknown
Disabling Condition	14	22	0
Health Insurance	17	8	11
<b>Health Insurance Sources</b>			
Medicaid		9	
Medicare		9	
State Children's Health Insurance Progr		0	
State Health Insurance for Adults		0	
Military Health Care		0	
Direct Purchase		1	
Employment Based		2	
Unknown/not reported		0	
<b>TOTAL</b>		<b>21</b>	
<b>Ethnicity/Race</b>			<b>Number of Individuals</b>
<b>Ethnicity</b>			
Hispanic, Latino or Spanish Or		6	
Not Hispanic, Latino or Spanis		25	
Unknown/not reported		5	
<b>TOTAL</b>		<b>36</b>	
<b>Race</b>			
American Indian or Alaska Na		0	
Asian		0	
Black or African American		1	
Native Hawaiian and Other Pa		0	
White		27	
Other		0	
Multi-race (two or more of th		2	
Unknown/not reported		6	
<b>TOTAL</b>		<b>36</b>	
<b>Military Status</b>			<b>Number of Individuals</b>
veteran		2	
Active Military		0	
Not a Veteran		34	
Unknown/not reported		0	
<b>TOTAL</b>		<b>36</b>	
<b>Work Status (Individuals 18+)</b>			<b>Number of Individuals</b>
Employed Full-Time		0	
Employed Part-Time		0	
Migrant Seasonal Farm Worker		0	
Unemployed, Short Term		1	
Unemployed, Long Term		0	
Unemployed, Not in Labor Force		4	
Retired		3	
Unknown/not reported		20	
<b>TOTAL</b>		<b>28</b>	

Total unduplicated number of all HOUSEHOLDS for whom one or more characteristics were obtained:		20
<b>Household Type</b>		<b>Number of Households</b>
Single Person		7
Two Adults, No Children		2
Single Parent Female		0
Single Parent Male		0
Two Parent Household		1
Non-related Adults with Children		2
Mutgeneration Household		1
Other		0
Unknown/not reported		7
<b>TOTAL</b>		<b>20</b>
<b>Household Size</b>		<b>Number of Households</b>
Single Person		12
Two		5
Three		0
Four		2
Five		0
Six or more		1
Unknown/not reported		0
<b>TOTAL</b>		<b>20</b>
<b>Housing</b>		<b>Number of Households</b>
Own		0
Rent		20
Other Permanent Housing		0
Homeless		0
Other		0
Unknown/not reported		0
<b>TOTAL</b>		<b>20</b>
<b>Level of Household Income</b>		<b>Number of Households</b>
Up to 50%		4
51% to 75%		2
76% to 100%		3
101% to 125%		4
126% to 150%		2
151% to 175%		4
176% to 200%		0
201% to 250%		1
251% and over		0
Unknown/not reported		0
<b>TOTAL</b>		<b>20</b>
<b>Sources of Household Income</b>		<b>Number of Households</b>
Income from Employment Only		0
Income from Employment, Other Source		0
Income from Employment, Other Source, NCB		1
Income from Employment, NCB		2
Income from Other Source Only		7
Income from Other Source, NCB		9
No Income		0
NCB (Non-Cash Benefits) Only		1
Unknown/not reported		0
<b>TOTAL</b>		<b>20</b>
<b>Other Income Sources</b>		<b>Number of Households</b>
TANF		0
Supplemental Security Income (SSI)		2
Social Security Disability Income (SSDI)		3
VA Service-Connected Disability Compensation		0
VA Non-Service Connected Disability Compensation		0
Private Disability Insurance		0
Worker's Compensation		0
Retirement Income from Social Security		14
Pension		3
Child Support		0
Alimony or other Spousal Support		0
Unemployment Insurance		0
EITC		0
Other		6
Unknown/not reported		0
<b>TOTAL</b>		<b>28</b>
<b>Non-Cash Benefits (NCB)</b>		<b>Number of Households</b>
SNAP		13
WIC		0
LIHEAP		0
Housing Choice Voucher		0
Public Housing		0
Permanent Supportive Housing		0
HUD-VASH		0
Childcare Voucher		0
Affordable Care Act Subsidy		0
Other		0
Unknown/not reported		0

July 1, 2019 to June 30, 2020

HOUSING TYPE	DOE	ECHO	LIHEAP-Wx	BPA-Wx
	Units	Units	Units	Units
Owner Single Family - Stick	3	0	3	0
Renter	0	0	0	0
Mobile Owner	2	1	7	4
Mobile Renter	0	0	1	0
Shelter (800 sq. ft. = 1 Unit)	0	0	0	0
<b>TOTAL UNITS</b>	<b>5</b>	<b>1</b>	<b>11</b>	<b>4</b>

COST EFFICIENCIES				
Weatherization				
Weatherization	5	1	11	4
Re-Weatherized	0	0	0	0
BaseLoad Only (BTUS)	0	0	0	0
<b>TOTAL WEATHERIZED</b>	<b>5</b>	<b>1</b>	<b>11</b>	<b>4</b>
Furance Replacements	3	0	3	2
Amount Spent on Replacements	\$14,430	\$0	\$11,926	\$8,000
Health and Safety (H/S) Units	2	1	11	3
Home Requiring H/S Repairs	2	1	10	3
Amount Spent on H/S Repairs	\$1,071	\$2,370	\$23,321	\$8,481

Total Energy Savings (ECHO ONLY)	
KWh Savings	7713.71694
Energy Savings in MMBTUS	26.3

Total unduplicated number of all INDIVIDUALS for whom one or more characteristics were obtained:		20
<b>Gender</b>		
Male	Number of Individuals	7
Female		13
Other		0
Unknown/not reported		0
<b>TOTAL</b>		<b>20</b>
<b>Age</b>		
0-5	Number of Individuals	3
6-13		3
14-17		1
18-24		0
25-44		3
45-54		2
55-59		1
60-64		0
65-74		1
75+		6
Unknown/not reported		0
<b>TOTAL</b>		<b>20</b>
<b>Education Levels</b>		
	Number of Individuals	
	ages 14-24	ages 25+
Grades 0-8	1	0
Grades 9-12/Non-Graduate	0	3
High School Grad/Equivalency Diploma	0	7
12 grade+ Some Post Secondary	0	2
2 or 4 yrs College Graduate	0	1
Grad of other Post Secondary School	0	0
Unknown/not reported	1	0
<b>TOTAL</b>	<b>1</b>	<b>13</b>
<b>Disconnected Youth</b>		
Youth ages 14-24 who are neither working or in school	Number of Individuals	0
<b>Health</b>		
	Number of Individuals	
	Yes	No
Disabling Condition	4	16
Health Insurance	20	0
<b>Health Insurance Sources</b>		
Medicaid	Number of Individuals	13
Medicare		2
State Children's Health Insurance Progr		0
State Health Insurance for Adults		0
Military Health Care		1
Direct Purchase		0
Employment Based		7
Unknown/not reported		0
<b>TOTAL</b>		<b>23</b>
<b>Ethnicity/Race</b>		
	Number of Individuals	
<b>Ethnicity</b>		
Hispanic, Latino or Spanish Or		0
Not Hispanic, Latino or Spanis		20
Unknown/not reported		0
<b>TOTAL</b>		<b>20</b>
<b>Race</b>		
American Indian or Alaska Na		0
Asian		0
Black or African American		0
Native Hawaiian and Other Pa		0
White		20
Other		0
Multi-race (two or more of th		0
Unknown/not reported		0
<b>TOTAL</b>		<b>20</b>
<b>Military Status</b>		
	Number of Individuals	
veteran		3
Active Military		0
Not a Veteran		17
Unknown/not reported		0
<b>TOTAL</b>		<b>20</b>
<b>Work Status (Individuals 18+)</b>		
	Number of Individuals	
Employed Full-Time		0
Employed Part-Time		0
Migrant Seasonal Farm Worker		0
Unemployed, Short Term		0
Unemployed, Long Term		0
Unemployed, Not in Labor Force		2
Retired		1
Unknown/not reported		10
<b>TOTAL</b>		<b>13</b>

Total unduplicated number of all HOUSEHOLDS for whom one or more characteristics were obtained:		11
<b>Household Type</b>		
	Number of Households	
Single Person		9
Two Adults, No Children		0
Single Parent Female		0
Single Parent Male		0
Two Parent Household		2
Non-related Adults with Children		0
Mutigeneration Household		0
Other		0
Unknown/not reported		0
<b>TOTAL</b>		<b>11</b>
<b>Household Size</b>		
	Number of Households	
Single Person		9
Two		0
Three		0
Four		0
Five		1
Six or more		1
Unknown/not reported		0
<b>TOTAL</b>		<b>11</b>
<b>Housing</b>		
	Number of Households	
Own		3
Rent		2
Other Permanent Housing		0
Homeless		0
Other		0
Unknown/not reported		0
<b>TOTAL</b>		<b>11</b>
<b>Level of Household Income</b>		
	Number of Households	
Up to 50%		0
51% to 75%		0
76% to 100%		2
101% to 125%		0
126% to 150%		0
151% to 175%		0
176% to 200%		0
201% to 250%		0
251% and over		0
Unknown/not reported		0
<b>TOTAL</b>		<b>2</b>
<b>Sources of Household Income</b>		
	Number of Households	
Income from Employment Only		0
Income from Employment, Other Source		1
Income from Employment, Other Source, NCB		1
Income from Employment, NCB		1
Income from Other Source Only		3
Income from Other Source, NCB		4
No Income		0
NCB (Non-Cash Benefits) Only		1
Unknown/not reported		0
<b>TOTAL</b>		<b>11</b>
<b>Other Income Sources</b>		
	Number of Households	
TANF		0
Supplemental Security Income (SSI)		0
Social Security Disability Income (SSDI)		2
VA Service-Connected Disability Compensation		2
VA Non-Service Connected Disability Compensation		0
Private Disability Insurance		0
Worker's Compensation		0
Retirement Income from Social Security		6
Pension		3
Child Support		0
Alimony or other Spousal Support		0
Unemployment Insurance		0
ETC		0
Other		4
Unknown/not reported		0
<b>Non-Cash Benefits (NCB)</b>		
	Number of Households	
SNAP		6
WIC		2
LIHEAP		1
Housing Choice Voucher		0
Public Housing		0
Permanent Supportive Housing		0
HUD-VASH		0
Childcare Voucher		0
Affordable Care Act Subsidy		0
Other		0
Unknown/not reported		0

July 1, 2019 to June 30, 2020

HOUSING TYPE				
	DOE Units	ECHO Units	LIHEAP-Wx Units	BPA-Wx Units
Owner Single Family - Stick	0	6	6	2
Renter	2	4	4	1
Mobile Owner	5	5	16	3
Mobile Renter	0	0	1	0
Shelter (800 sq. ft. = 1 Unit)	0	0	1	0
<b>TOTAL UNITS</b>	<b>7</b>	<b>15</b>	<b>28</b>	<b>6</b>

COST EFFICIENCIES				
Weatherization				
Weatherization	7	14	27	6
Re-Weatherized	0	1	1	0
BaseLoad Only (BTUS)	0	0	0	0
<b>TOTAL WEATHERIZED</b>	<b>7</b>	<b>15</b>	<b>28</b>	<b>6</b>
Furance Replacements	6	11	9	3
Amount Spent on Replacements	\$23,400	\$44,744	\$36,916	\$12,000
Health and Safety (H/S) Units	7	14	24	4
Home Requiring H/S Repairs	7	14	22	4
Amount Spent on H/S Repairs	\$14,014	\$21,267	\$28,086	\$6,140

Total Energy Savings (ECHO ONLY)	
KWh Savings	112,978
Energy Savings in MMBTUS	385

Total unduplicated number of all INDIVIDUALS for whom one or more characteristics were obtained:			140
<b>Gender</b>			
	Number of Individuals		
Male	62		
Female	78		
Other	0		
Unknown/not reported	0		
<b>TOTAL</b>	<b>140</b>		
<b>Age</b>			
	Number of Individuals		
0-5	4		
6-13	20		
14-17	15		
18-24	7		
25-44	22		
45-54	21		
55-59	8		
60-64	7		
65-74	23		
75+	15		
Unknown/not reported	0		
<b>TOTAL</b>	<b>140</b>		
<b>Education Levels</b>			
	Number of Individuals		
	ages 14-24	ages 25+	
Grades 0-8	2	2	
Grades 9-12/Non-Graduate	1	14	
High School Grad/Equivalency Diploma	2	30	
12 grade+ Some Post Secondary	0	30	
2 or 4 yrs College Graduate	0	13	
Grad of other Post Secondary School	0	6	
Unknown/not reported	0	0	
<b>TOTAL</b>	<b>5</b>	<b>95</b>	
<b>Disconnected Youth</b>			
	Number of Individuals		
Youth ages 14-24 who are neither working or in school	0		
<b>Health</b>			
	Number of Individuals		
	Yes	No	Unknown
Disabling Condition	41	99	0
Health Insurance	133	6	1
<b>Health Insurance Sources</b>			
	Number of Individuals		
Medicaid	84		
Medicare	42		
State Children's Health Insurance Progr	0		
State Health Insurance for Adults	0		
Military Health Care	5		
Direct Purchase	1		
Employment Based	23		
Unknown/not reported	0		
<b>TOTAL</b>	<b>155</b>		
<b>Ethnicity/Race</b>			
	Number of Individuals		
<b>Ethnicity</b>			
Hispanic, Latino or Spanish Or	16		
Not Hispanic, Latino or Spanis	124		
Unknown/not reported	0		
<b>TOTAL</b>	<b>140</b>		
<b>Race</b>			
American Indian or Alaska Na	0		
Asian	0		
Black or African American	0		
Native Hawaiian and Other Pa	1		
White	136		
Other	0		
Multi-race (two or more of th	3		
Unknown/not reported	0		
<b>TOTAL</b>	<b>140</b>		
<b>Military Status</b>			
	Number of Individuals		
veteran	12		
Active Military	0		
Not a Veteran	127		
Unknown/not reported	1		
<b>TOTAL</b>	<b>140</b>		
<b>Work Status (Individuals 18+)</b>			
	Number of Individuals		
Employed Full-Time	0		
Employed Part-Time	0		
Migrant Seasonal Farm Worker	0		
Unemployed, Short Term	0		
Unemployed, Long Term	1		
Unemployed, Not in Labor Force	1		
Retired	7		
Unknown/not reported	99		
<b>TOTAL</b>	<b>103</b>		

Total unduplicated number of all HOUSEHOLDS for whom one or more characteristics were obtained:			70
<b>Household Type</b>			
	Number of Households		
Single Person	37		
Two Adults, No Children	5		
Single Parent Female	4		
Single Parent Male	1		
Two Parent Household	12		
Non-related Adults with Children	8		
Mutgeneration Household	1		
Other	0		
Unknown/not reported	2		
<b>TOTAL</b>	<b>70</b>		
<b>Household Size</b>			
	Number of Households		
Single Person	38		
Two	14		
Three	7		
Four	5		
Five	3		
Six or more	3		
Unknown/not reported	0		
<b>TOTAL</b>	<b>70</b>		
<b>Housing</b>			
	Number of Households		
Own	58		
Rent	12		
Other Permanent Housing	0		
Homeless	0		
Other	0		
Unknown/not reported	0		
<b>TOTAL</b>	<b>70</b>		
<b>Level of Household Income</b>			
	Number of Households		
Up to 50%	10		
51% to 75%	4		
76% to 100%	11		
101% to 125%	8		
126% to 150%	12		
151% to 175%	14		
176% to 200%	10		
201% to 250%	1		
251% and over	0		
Unknown/not reported	0		
<b>TOTAL</b>	<b>70</b>		
<b>Sources of Household Income</b>			
	Number of Households		
Income from Employment Only	5		
Income from Employment, Other Source	2		
Income from Employment, Other Source, NCB	3		
Income from Employment, NCB	6		
Income from Other Source Only	10		
Income from Other Source, NCB	37		
No Income	1		
NCB (Non-Cash Benefits) Only	6		
Unknown/not reported	0		
<b>TOTAL</b>	<b>70</b>		
<b>Other Income Sources</b>			
	Number of Households		
TANF	4		
Supplemental Security Income (SSI)	10		
Social Security Disability Income (SSDI)	13		
VA Service-Connected Disability Compensation	2		
VA Non-Service Connected Disability Compensation	0		
Private Disability Insurance	0		
Worker's Compensation	0		
Retirement Income from Social Security	34		
Pension	6		
Child Support	1		
Alimony or other Spousal Support	0		
Unemployment Insurance	0		
EITC	0		
Other	19		
Unknown/not reported	0		
<b>TOTAL</b>	<b>70</b>		
<b>Non-Cash Benefits (NCB)</b>			
	Number of Households		
SNAP	52		
WIC	3		
LIHEAP	0		
Housing Choice Voucher	0		
Public Housing	4		
Permanent Supportive Housing	0		
HUD-VASH	0		
Childcare Voucher	0		
Affordable Care Act Subsidy	0		
Other	1		
Unknown/not reported	0		

July 1, 2019 to June 30, 2020

HOUSING TYPE	DOE Units	ECHO Units	LIHEAP-Wx Units	BPA-Wx Units
Owner Single Family - Stick	5	1	17	12
Renter	1	0	7	7
Mobile Owner	2	1	14	13
Mobile Renter	0	0	0	0
Shelter (800 sq. ft. = 1 Unit)	0	0	0	0
<b>TOTAL UNITS</b>	<b>8</b>	<b>2</b>	<b>38</b>	<b>32</b>

COST EFFICIENCIES				
Weatherization				
Weatherization	8	2	38	32
Re-Weatherized	0	0	0	0
BaseLoad Only (BTUS)	0	0	0	0
<b>TOTAL WEATHERIZED</b>	<b>8</b>	<b>2</b>	<b>38</b>	<b>32</b>
Furance Replacements	2	1	1	13
Amount Spent on Replacements	\$6,641	\$3,381	\$1,697	\$45,335
Health and Safety (H/S) Units	7	2	37	3
Home Requiring H/S Repairs	7	2	37	3
Amount Spent on H/S Repairs	\$10,626	\$3,125	\$44,170	\$2,810

Total Energy Savings (ECHO ONLY)	
KWh Savings	9,502,8300
Energy Savings in MMBTUS	32.4

Total unduplicated number of all INDIVIDUALS for whom one or more characteristics were obtained:		69
<b>Gender</b>		
Male	Number of Individuals	24
Female		45
Other		0
Unknown/not reported		0
<b>TOTAL</b>		<b>69</b>
<b>Age</b>		
0-5	Number of Individuals	1
6-13		6
14-17		3
18-24		4
25-44		12
45-54		10
55-59		5
60-64		8
65-74		13
75+		7
Unknown/not reported		0
<b>TOTAL</b>		<b>69</b>
<b>Education Levels</b>		
	Number of Individuals	
	ages 18-24	ages 25+
Grades 0-8	4	0
Grades 9-12/Non-Graduate	0	9
High School Grad/Equivalency Diploma	0	14
12 grade+ Some Post Secondary	0	10
2 or 4 yrs College Graduate	0	4
Grad of other Post Secondary School	0	2
Unknown/not reported	3	13
<b>TOTAL</b>	<b>7</b>	<b>52</b>
<b>Disconnected Youth</b>		
Youth ages 14-24 who are neither working or in school	Number of Individuals	0
<b>Health</b>		
	Number of Individuals	
	Yes	No
Disabling Condition	16	53
Health Insurance	50	14
<b>Health Insurance Sources</b>		
Medicaid	31	
Medicare	17	
State Children's Health Insurance Progr	0	
State Health Insurance for Adults	0	
Military Health Care	2	
Direct Purchase	0	
Employment Based	9	
Unknown/not reported	0	
<b>TOTAL</b>	<b>59</b>	
<b>Ethnicity/Race</b>		
	Number of Individuals	
<b>Ethnicity</b>		
Hispanic, Latino or Spanish Or	13	
Not Hispanic, Latino or Spanis	56	
Unknown/not reported	0	
<b>TOTAL</b>	<b>69</b>	
<b>Race</b>		
American Indian or Alaska Na	2	
Asian	0	
Black or African American	1	
Native Hawaiian and Other Pa	1	
White	58	
Other	0	
Multi-race (two or more of th	4	
Unknown/not reported	3	
<b>TOTAL</b>	<b>69</b>	
<b>Military Status</b>		
	Number of Individuals	
Veteran	6	
Active Military	0	
Not a Veteran	63	
Unknown/not reported	0	
<b>TOTAL</b>	<b>69</b>	
<b>Work Status (Individuals 18+)</b>		
	Number of Individuals	
Employed Full-Time	0	
Employed Part-Time	0	
Migrant Seasonal Farm Worker	0	
Unemployed, Short Term	0	
Unemployed, Long Term	0	
Unemployed, Not in Labor Force	1	
Retired	3	
Unknown/not reported	55	
<b>TOTAL</b>	<b>59</b>	

Total unduplicated number of all HOUSEHOLDS for whom one or more characteristics were obtained:		42
<b>Household Type</b>		
	Number of Households	
Single Person	18	
Two Adults, No Children	4	
Single Parent Female	6	
Single Parent Male	0	
Two Parent Household	2	
Non-related Adults with Children	0	
Mutigeneration Household	3	
Other	0	
Unknown/not reported	9	
<b>TOTAL</b>	<b>42</b>	
<b>Household Size</b>		
	Number of Households	
Single Person	26	
Two	8	
Three	6	
Four	1	
Five	1	
Six or more	0	
Unknown/not reported	0	
<b>TOTAL</b>	<b>42</b>	
<b>Housing</b>		
	Number of Households	
Own	27	
Rent	15	
Other Permanent Housing	0	
Homeless	0	
Other	0	
Unknown/not reported	0	
<b>TOTAL</b>	<b>42</b>	
<b>Level of Household Income</b>		
	Number of Households	
Up to 50%	11	
51% to 75%	4	
76% to 100%	4	
101% to 125%	9	
126% to 150%	5	
151% to 175%	3	
176% to 200%	3	
201% to 250%	3	
251% and over	0	
Unknown/not reported	0	
<b>TOTAL</b>	<b>42</b>	
<b>Sources of Household Income</b>		
	Number of Households	
Income from Employment Only	1	
Income from Employment, Other Source	2	
Income from Employment, Other Source, NCB	2	
Income from Employment, NCB	5	
Income from Other Source Only	6	
Income from Other Source, NCB	17	
No Income	7	
NCB (Non-Cash Benefits) Only	2	
Unknown/not reported	0	
<b>TOTAL</b>	<b>42</b>	
<b>Other Income Sources</b>		
	Number of Households	
TANF	1	
Supplemental Security Income (SSI)	4	
Social Security Disability Income (SSDI)	5	
VA Service-Connected Disability Compensation	0	
VA Non-Service Connected Disability Compensation	0	
Private Disability Insurance	1	
Worker's Compensation	0	
Retirement Income from Social Security	18	
Pension	3	
Child Support	0	
Alimony or other Spousal Support	1	
Unemployment Insurance	0	
ETC	0	
Other	15	
Unknown/not reported	0	
<b>TOTAL</b>	<b>42</b>	
<b>Non-Cash Benefits (NCB)</b>		
	Number of Households	
SNAP	24	
WIC	2	
LIHEAP	4	
Housing Choice Voucher	0	
Public Housing	4	
Permanent Supportive Housing	0	
HUD-VASH	0	
Childcare Voucher	0	
Affordable Care Act Subsidy	0	
Other	2	
Unknown/not reported	0	

July 1, 2019 to June 30, 2020

HOUSING TYPE	DOE	ECHO	LIHEAP-Wx	BPA-Wx
	Units	Units	Units	Units
Owner Single Family - Stick	0	1	1	0
Renter	0	0	2	0
Mobile Owner	0	1	1	0
Mobile Renter	0	0	0	0
Shelter (800 sq. ft. = 1 Unit)	0	0	0	0
<b>TOTAL UNITS</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>0</b>

COST EFFICIENCIES				
Weatherization				
Weatherization	0	2	4	0
Re-Weatherized	0	0	0	0
BaseLoad Only (BTUS)	0	0	0	0
<b>TOTAL WEATHERIZED</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>0</b>
Furance Replacements	0	1	1	0
Amount Spent on Replacements	\$0	\$4,950	\$5,368	\$0
Health and Safety (H/S) Units	0	1	4	0
Home Requiring H/S Repairs	0	1	4	0
Amount Spent on H/S Repairs	\$0	\$3,150	\$7,297	\$0

Total Energy Savings (ECHO ONLY)	
KWh Savings	20178.84090
Energy Savings in MMBTUS	68.8

Total unduplicated number of all INDIVIDUALS for whom one or more characteristics were obtained:			11
<b>Gender</b>			<b>Number of Individuals</b>
Male		3	
Female		8	
Other		0	
Unknown/not reported		0	
	<b>TOTAL</b>	<b>11</b>	
<b>Age</b>			<b>Number of Individuals</b>
0-5		1	
6-13		3	
14-17		0	
18-24		0	
25-44		1	
45-54		0	
55-59		0	
60-64		1	
65-74		3	
75+		2	
Unknown/not reported		0	
	<b>TOTAL</b>	<b>11</b>	
<b>Education Levels</b>			<b>Number of Individuals</b>
	ages 18-24	ages 25+	
Grades 0-8	0	0	
Grades 9-12/Non-Graduate	0	0	
High School Grad/Equivalency Diploma	0	4	
12 grade+ Some Post Secondary	0	0	
2 or 4 yrs College Graduate	0	2	
Grad of other Post Secondary School	0	0	
Unknown/not reported	0	0	
	<b>TOTAL</b>	<b>6</b>	
<b>Disconnected Youth</b>			<b>Number of Individuals</b>
Youth ages 14-24 who are neither working or in school		0	
<b>Health</b>			<b>Number of Individuals</b>
	Yes	No	Unknown
Disabling Condition	1	10	0
Health Insurance	9	2	0
<b>Health Insurance Sources</b>			
Medicaid		5	
Medicare		4	
State Children's Health Insurance Progr		0	
State Health Insurance for Adults		0	
Military Health Care		0	
Direct Purchase		0	
Employment Based		0	
Unknown/not reported		0	
	<b>TOTAL</b>	<b>9</b>	
<b>Ethnicity/Race</b>			<b>Number of Individuals</b>
<b>Ethnicity</b>			
Hispanic, Latino or Spanish Or		1	
Not Hispanic, Latino or Spanis		10	
Unknown/not reported		0	
	<b>TOTAL</b>	<b>11</b>	
<b>Race</b>			
American Indian or Alaska Na		0	
Asian		0	
Black or African American		0	
Native Hawaiian and Other Pa		0	
White		11	
Other		0	
Multi-race (two or more of th		0	
Unknown/not reported		0	
	<b>TOTAL</b>	<b>11</b>	
<b>Military Status</b>			<b>Number of Individuals</b>
Veteran		1	
Active Military		0	
Not a Veteran		10	
Unknown/not reported		0	
	<b>TOTAL</b>	<b>11</b>	
<b>Work Status (Individuals 18+)</b>			<b>Number of Individuals</b>
Employed Full-Time		0	
Employed Part-Time		0	
Migrant Seasonal Farm Worker		0	
Unemployed, Short Term		0	
Unemployed, Long Term		0	
Unemployed, Not in Labor Force		0	
Retired		0	
Unknown/not reported		7	
	<b>TOTAL</b>	<b>7</b>	

Total unduplicated number of all HOUSEHOLDS for whom one or more characteristics were obtained:		5
<b>Household Type</b>		<b>Number of Households</b>
Single Person		0
Two Adults, No Children		2
Single Parent Female		1
Single Parent Male		0
Two Parent Household		0
Non-related Adults with Children		1
Mutigeneration Household		1
Other		0
Unknown/not reported		0
	<b>TOTAL</b>	<b>5</b>
<b>Household Size</b>		<b>Number of Households</b>
Single Person		1
Two		2
Three		2
Four		0
Five		0
Six or more		0
Unknown/not reported		0
	<b>TOTAL</b>	<b>5</b>
<b>Housing</b>		<b>Number of Households</b>
Own		3
Rent		2
Other Permanent Housing		0
Homeless		0
Other		0
Unknown/not reported		0
	<b>TOTAL</b>	<b>5</b>
<b>Level of Household Income</b>		<b>Number of Households</b>
Up to 50%		0
51% to 75%		0
76% to 100%		1
101% to 125%		0
126% to 150%		0
151% to 175%		0
176% to 200%		4
201% to 250%		0
251% and over		0
Unknown/not reported		0
	<b>TOTAL</b>	<b>5</b>
<b>Sources of Household Income</b>		<b>Number of Households</b>
Income from Employment Only		0
Income from Employment, Other Source		1
Income from Employment, Other Source, NCB		0
Income from Employment, NCB		1
Income from Other Source Only		1
Income from Other Source, NCB		2
No Income		0
NCB (Non-Cash Benefits) Only		0
Unknown/not reported		0
	<b>TOTAL</b>	<b>5</b>
<b>Other Income Sources</b>		<b>Number of Households</b>
TANF		0
Supplemental Security Income (SSI)		0
Social Security Disability Income (SSDI)		0
VA Service-Connected Disability Compensation		1
VA Non-Service Connected Disability Compensation		0
Private Disability Insurance		0
Worker's Compensation		0
Retirement Income from Social Security		3
Pension		0
Child Support		0
Alimony or other Spousal Support		0
Unemployment Insurance		0
ETC		0
Other		3
Unknown/not reported		0
	<b>TOTAL</b>	<b>4</b>
<b>Non-Cash Benefits (NCB)</b>		<b>Number of Households</b>
SNAP		3
WIC		0
LIHEAP		0
Housing Choice Voucher		0
Public Housing		0
Permanent Supportive Housing		0
HUD-WASH		0
Childcare Voucher		0
Affordable Care Act Subsidy		0
Other		0
Unknown/not reported		0

July 1, 2019 to June 30, 2020

HOUSING TYPE				
	DOE Units	ECHO Units	LIHEAP-Wx Units	BPA-Wx Units
Owner Single Family - Stick	36	6	21	0
Renter	1	0	29	0
Mobile Owner	14	10	39	0
Mobile Renter	0	1	1	0
Shelter (800 sq. ft. = 1 Unit)	0	0	0	0
<b>TOTAL UNITS</b>	<b>51</b>	<b>17</b>	<b>90</b>	<b>0</b>

COST EFFICIENCIES				
Weatherization				
Weatherization	51	17	89	0
Re-Weatherized	0	0	1	0
BaseLoad Only (BTUS)	0	0	0	0
<b>TOTAL WEATHERIZED</b>	<b>51</b>	<b>17</b>	<b>90</b>	<b>0</b>
Furance Replacements	8	14	57	0
Amount Spent on Replacements	\$40,390	\$75,602	\$142,203	\$0
Health and Safety (H/S) Units	43	12	13	0
Home Requiring H/S Repairs	43	12	13	0
Amount Spent on H/S Repairs	\$52,004	\$22,368	\$10,673	\$0

Total Energy Savings (ECHO ONLY)	
KWh Savings	155,741
Energy Savings in MMBTUS	537

Total unduplicated number of all INDIVIDUALS for whom one or more characteristics were obtained: 601

Gender		
	Number of Individuals	
Male	259	
Female	342	
Other	0	
Unknown/not reported	0	
<b>TOTAL</b>	<b>601</b>	

Age		
	Number of Individuals	
0-5	62	
6-13	129	
14-17	62	
18-24	40	
25-44	166	
45-54	47	
55-59	18	
60-64	21	
65-74	47	
75+	9	
Unknown/not reported	0	
<b>TOTAL</b>	<b>601</b>	

Education Levels			
	ages 14-24		ages 25+
Grades 0-8	38	81	
Grades 9-12/Non-Graduate	41	51	
High School Grad/Equivalency Diploma	17	109	
12 grade+ Some Post Secondary	1	27	
2 or 4 years College Graduate	0	20	
Grad of other Post Secondary School	0	3	
Unknown/not reported	0	9	
<b>TOTAL</b>	<b>97</b>	<b>300</b>	

Disconnected Youth	
Youth ages 14-24 who are neither working or in school	Number of Individuals
	0

Health			
	Yes	No	Unknown
Disabling Condition	49	551	1
Health Insurance	460	132	9

Health Insurance Sources	
	Number of Individuals
Medicaid	308
Medicare	33
State Children's Health Insurance Progr	17
State Health Insurance for Adults	0
Military Health Care	3
Direct Purchase	0
Employment Based	108
Unknown/not reported	0
<b>TOTAL</b>	<b>469</b>

Ethnicity/Race	
	Number of Individuals
<b>Ethnicity</b>	
Hispanic, Latino or Spanish Or	378
Not Hispanic, Latino or Spanis	220
Unknown/not reported	3
<b>TOTAL</b>	<b>601</b>
<b>Race</b>	
American Indian or Alaska Na	6
Asian	2
Black or African American	29
Native Hawaiian and Other Pa	9
White	292
Other	0
Multi-race (two or more of th	6
Unknown/not reported	257
<b>TOTAL</b>	<b>601</b>

Military Status	
	Number of Individuals
veteran	10
Active Military	0
Not a Veteran	591
Unknown/not reported	0
<b>TOTAL</b>	<b>601</b>

Work Status (Individuals 18+)	
	Number of Individuals
Employed Full-Time	1
Employed Part-Time	1
Migrant Seasonal Farm Worker	0
Unemployed, Short Term	0
Unemployed, Long Term	0
Unemployed, Not in Labor Force	1
Retired	2
Unknown/not reported	343
<b>TOTAL</b>	<b>348</b>

Total unduplicated number of all HOUSEHOLDS for whom one or more characteristics were obtained: 195

Household Type	
	Number of Households
Single Person	52
Two Adults, No Children	9
Single Parent Female	38
Single Parent Male	2
Two Parent Household	69
Non-related Adults with Children	5
Mutgeneration Household	19
Other	0
Unknown/not reported	1
<b>TOTAL</b>	<b>195</b>

Household Size	
	Number of Households
Single Person	54
Two	30
Three	30
Four	34
Five	27
Six or more	20
Unknown/not reported	0
<b>TOTAL</b>	<b>195</b>

Housing	
	Number of Households
Own	150
Rent	65
Other Permanent Housing	0
Homeless	0
Other	0
Unknown/not reported	0
<b>TOTAL</b>	<b>195</b>

Level of Household Income	
	Number of Households
Up to 50%	18
51% to 75%	17
76% to 100%	27
101% to 125%	24
126% to 150%	36
151% to 175%	31
176% to 200%	26
201% to 250%	14
251% and over	2
Unknown/not reported	0
<b>TOTAL</b>	<b>195</b>

Sources of Household Income	
	Number of Households
Income from Employment Only	49
Income from Employment, Other Source	10
Income from Employment, Other Source, NCB	13
Income from Employment, NCB	48
Income from Other Source Only	27
Income from Other Source, NCB	41
No Income	5
NCB (Non-Cash Benefits) Only	2
Unknown/not reported	0
<b>TOTAL</b>	<b>195</b>

Other Income Sources	
	Number of Households
TANF	9
Supplemental Security Income (SSI)	29
Social Security Disability Income (SSDI)	8
VA Service-Connected Disability Compensation	0
VA Non-Service Connected Disability Compensation	0
Private Disability Insurance	0
Worker's Compensation	0
Retirement Income from Social Security	34
Pension	7
Child Support	7
Alimony or other Spousal Support	1
Unemployment Insurance	6
ETFC	0
Other	132
Unknown/not reported	0

Non-Cash Benefits (NCB)	
	Number of Households
SNAP	98
WIC	19
LIHEAP	0
Housing Choice Voucher	0
Public Housing	9
Permanent Supportive Housing	0
HUD-VASH	0
Childcare Voucher	0
Affordable Care Act Subsidy	0
Other	8
Unknown/not reported	0

July 1, 2019 to June 30, 2020

HOUSING TYPE	DOE	ECHO	LIHEAP-Wx	BPA-Wx
	Units	Units	Units	Units
Owner Single Family - Stick	8	3	28	4
Renter	0	0	4	1
Mobile Owner	5	2	22	0
Mobile Renter	0	1	0	0
Shelter (800 sq. ft. = 1 Unit)	0	0	0	0
<b>TOTAL UNITS</b>	<b>13</b>	<b>6</b>	<b>54</b>	<b>5</b>

COST EFFICIENCIES				
Weatherization				
Weatherization	13	6	53	5
Re-Weatherized	0	0	1	0
BaseLoad Only (BTUS)	0	0	0	0
<b>TOTAL WEATHERIZED</b>	<b>13</b>	<b>6</b>	<b>54</b>	<b>5</b>
Furance Replacements	3	4	17	4
Amount Spent on Replacements	\$18,845	\$14,964	\$74,437	\$15,300
Health and Safety (H/S) Units	12	6	46	5
Home Requiring H/S Repairs	12	6	44	5
Amount Spent on H/S Repairs	\$12,702	\$7,729	\$66,097	\$11,920

Total Energy Savings (ECHO ONLY)	
KWh Savings	52,676
Energy Savings in MMBTUS	180

Total unduplicated number of all INDIVIDUALS for whom one or more characteristics were obtained:		273
<b>Gender</b>		
Male	Number of Individuals	123
Female		150
Other		0
Unknown/not reported		0
<b>TOTAL</b>		<b>273</b>
<b>Age</b>		
0-5	Number of Individuals	25
6-13		42
14-17		19
18-24		19
25-44		42
45-54		34
55-59		18
60-64		16
65-74		28
75+		30
Unknown/not reported		0
<b>TOTAL</b>		<b>273</b>
<b>Education Levels</b>		
	Number of Individuals	
	ages 14-24	ages 25+
Grades 0-8	25	38
Grades 9-12/Non-Graduate	7	28
High School Grad/Equivalency Diploma	2	54
12 grade+ Some Post Secondary	2	22
2 or 4 years College Graduate	0	22
Grad of other Post Secondary School	1	2
Unknown/not reported	1	2
<b>TOTAL</b>	<b>37</b>	<b>168</b>
<b>Disconnected Youth</b>		
Youth ages 14-24 who are neither working or in school	Number of Individuals	0
<b>Health</b>		
	Number of Individuals	
	Yes	No
Disabling Condition	49	224
Health Insurance	233	54
<b>Health Insurance Sources</b>		
Medicaid	161	
Medicare	47	
State Children's Health Insurance Progr	0	
State Health Insurance for Adults	0	
Military Health Care	4	
Direct Purchase	0	
Employment Based	23	
Unknown/not reported	0	
<b>TOTAL</b>	<b>25</b>	
<b>Ethnicity/Race</b>		
	Number of Individuals	
<b>Ethnicity</b>		
Hispanic, Latino or Spanish Or	145	
Not Hispanic, Latino or Spanis	128	
Unknown/not reported	0	
<b>TOTAL</b>	<b>273</b>	
<b>Race</b>		
American Indian or Alaska Na	5	
Asian	4	
Black or African American	0	
Native Hawaiian and Other Pa	1	
White	216	
Other	0	
Multi-race (two or more of th	4	
Unknown/not reported	43	
<b>TOTAL</b>	<b>273</b>	
<b>Military Status</b>		
veteran	Number of Individuals	8
Active Military		0
Not a Veteran		265
Unknown/not reported		0
<b>TOTAL</b>	<b>273</b>	
<b>Work Status (Individuals 18+)</b>		
Employed Full-Time	Number of Individuals	0
Employed Part-Time		0
Migrant Seasonal Farm Worker		0
Unemployed, Short Term		0
Unemployed, Long Term		0
Unemployed, Not in Labor Force		0
Retired		0
Unknown/not reported		187
<b>TOTAL</b>	<b>187</b>	

Total unduplicated number of all HOUSEHOLDS for whom one or more characteristics were obtained:		105
<b>Household Type</b>		
Single Person	Number of Households	41
Two Adults, No Children		13
Single Parent Female		8
Single Parent Male		1
Two Parent Household		23
Non-related Adults with Children		6
Mutgeneration Household		9
Other		0
Unknown/not reported		4
<b>TOTAL</b>		<b>105</b>
<b>Household Size</b>		
Single Person	Number of Households	42
Two		22
Three		12
Four		14
Five		3
Six or more		12
Unknown/not reported		0
<b>TOTAL</b>		<b>105</b>
<b>Housing</b>		
	Number of Households	
Own		91
Rent		14
Other Permanent Housing		0
Homeless		0
Other		0
Unknown/not reported		0
<b>TOTAL</b>		<b>105</b>
<b>Level of Household Income</b>		
	Number of Households	
Up to 50%		3
51% to 75%		3
76% to 100%		18
101% to 125%		18
126% to 150%		14
151% to 175%		16
176% to 200%		22
201% to 250%		10
251% and over		1
Unknown/not reported		0
<b>TOTAL</b>		<b>105</b>
<b>Sources of Household Income</b>		
	Number of Households	
Income from Employment Only		15
Income from Employment, Other Source		2
Income from Employment, Other Source, NCB		8
Income from Employment, NCB		17
Income from Other Source Only		23
Income from Other Source, NCB		39
No Income		0
NCB (Non-Cash Benefits) Only		1
Unknown/not reported		0
<b>TOTAL</b>		<b>105</b>
<b>Other Income Sources</b>		
	Number of Households	
TANF		2
Supplemental Security Income (SSI)		13
Social Security Disability Income (SSDI)		10
VA Service-Connected Disability Compensation		2
VA Non-Service Connected Disability Compensation		0
Private Disability Insurance		1
Worker's Compensation		0
Retirement Income from Social Security		49
Pension		11
Child Support		3
Alimony or other Spousal Support		0
Unemployment Insurance		3
EITC		0
Other		52
Unknown/not reported		0
<b>TOTAL</b>		<b>105</b>
<b>Non-Cash Benefits (NCB)</b>		
	Number of Households	
SNAP		64
WIC		10
LIHEAP		0
Housing Choice Voucher		0
Public Housing		0
Permanent Supportive Housing		0
HUD-VASH		0
Childcare Voucher		0
Affordable Care Act Subsidy		0
Other		1
Unknown/not reported		0



July 1, 2019 to June 30, 2020

HOUSING TYPE	DOE	ECHO Units	LIHEAP-Wx	BPA-Wx
	Units		Units	Units
Owner Single Family - Stick	4	6	13	2
Renter	1	3	2	0
Mobile Owner	5	26	42	8
Mobile Renter	0	3	3	1
Shelter (800 sq. ft. = 1 Unit)	0	0	0	0
<b>TOTAL UNITS</b>	<b>10</b>	<b>38</b>	<b>60</b>	<b>11</b>

COST EFFICIENCIES				
Weatherization				
Weatherization	10	38	58	11
Re-Weatherized	0	0	1	0
BaseLoad Only (BTUS)	0	0	1	0
<b>TOTAL WEATHERIZED</b>	<b>10</b>	<b>38</b>	<b>59</b>	<b>11</b>
Furance Replacements	2	7	5	2
Amount Spent on Replacements	\$11,261	\$32,149	\$17,699	\$7,660
Health and Safety (H/S) Units	2	30	59	8
Home Requiring H/S Repairs	7	29	59	8
Amount Spent on H/S Repairs	\$7,247	\$30,922	\$41,843	\$5,586

Total Energy Savings (ECHO ONLY)	
KWh Savings	347,528
Energy Savings in MMBTUS	1185

Total unduplicated number of all INDIVIDUALS for whom one or more characteristics were obtained:		155
<b>Gender</b>		
Male	Number of Individuals	68
Female		87
Other		0
Unknown/not reported		0
<b>TOTAL</b>		<b>155</b>
<b>Age</b>		
0-5	Number of Individuals	13
6-13		25
14-17		15
18-24		8
25-44		27
45-54		10
55-59		14
60-64		10
65-74		18
75+		15
Unknown/not reported		0
<b>TOTAL</b>		<b>155</b>
<b>Education Levels</b>		
	Number of Individuals	
	ages 14-24	ages 25+
Grades 0-8	5	8
Grades 9-12/Non-Graduate	16	28
High School Grad/Equivalency Diploma	0	28
12 grade+ Some Post Secondary	1	14
2 or 4 yrs College Graduate	0	10
Grad of other Post Secondary School	0	1
Unknown/not reported	0	5
<b>TOTAL</b>	<b>23</b>	<b>94</b>
<b>Disconnected Youth</b>		
Youth ages 14-24 who are neither working or in school	Number of Individuals	0
<b>Health</b>		
	Number of Individuals	
	Yes	No
Disabling Condition	25	130
Health Insurance	119	36
<b>Health Insurance Sources</b>		
Medicaid		88
Medicare		30
State Children's Health Insurance Progr		0
State Health Insurance for Adults		0
Military Health Care		1
Direct Purchase		1
Employment Based		11
Unknown/not reported		0
<b>TOTAL</b>		<b>131</b>
<b>Ethnicity/Race</b>		
	Number of Individuals	
<b>Ethnicity</b>		
Hispanic, Latino or Spanish Or		66
Not Hispanic, Latino or Spanis		89
Unknown/not reported		0
<b>TOTAL</b>		<b>155</b>
<b>Race</b>		
American Indian or Alaska Na		7
Asian		0
Black or African American		2
Native Hawaiian and Other Pa		0
White		143
Other		0
Multi-race (two or more of th		2
Unknown/not reported		1
<b>TOTAL</b>		<b>155</b>
<b>Military Status</b>		
Veteran	Number of Individuals	3
Active Military		0
Not a Veteran		152
Unknown/not reported		0
<b>TOTAL</b>		<b>155</b>
<b>Work Status (Individuals 18+)</b>		
Employed Full-Time	Number of Individuals	0
Employed Part-Time		0
Migrant Seasonal Farm Worker		0
Unemployed, Short Term		0
Unemployed, Long Term		0
Unemployed, Not in Labor Force		1
Retired		1
Unknown/not reported		100
<b>TOTAL</b>		<b>102</b>

Total unduplicated number of all HOUSEHOLDS for whom one or more characteristics were obtained:		66
<b>Household Type</b>		
Single Person	Number of Households	29
Two Adults, No Children		6
Single Parent Female		6
Single Parent Male		1
Two Parent Household		5
Non-related Adults with Children		4
Mutgeneration Household		8
Other		0
Unknown/not reported		7
<b>TOTAL</b>		<b>66</b>
<b>Household Size</b>		
Single Person	Number of Households	34
Two		13
Three		6
Four		1
Five		5
Six or more		7
Unknown/not reported		0
<b>TOTAL</b>		<b>66</b>
<b>Housing</b>		
	Number of Households	
Own		58
Rent		8
Other Permanent Housing		0
Homeless		0
Other		0
Unknown/not reported		0
<b>TOTAL</b>		<b>66</b>
<b>Level of Household Income</b>		
	Number of Households	
Up to 50%		8
51% to 75%		5
76% to 100%		7
101% to 125%		11
126% to 150%		15
151% to 175%		9
176% to 200%		5
201% to 250%		6
251% and over		0
Unknown/not reported		0
<b>TOTAL</b>		<b>66</b>
<b>Sources of Household Income</b>		
	Number of Households	
Income from Employment Only		6
Income from Employment, Other Source		3
Income from Employment, Other Source, NCB		2
Income from Employment, NCB		8
Income from Other Source Only		19
Income from Other Source, NCB		24
No Income		3
NCB (Non-Cash Benefits) Only		1
Unknown/not reported		0
<b>TOTAL</b>		<b>66</b>
<b>Other Income Sources</b>		
	Number of Households	
TANF		2
Supplemental Security Income (SSI)		3
Social Security Disability Income (SSDI)		4
VA Service-Connected Disability Compensation		0
VA Non-Service Connected Disability Compensation		0
Private Disability Insurance		0
Worker's Compensation		0
Retirement Income from Social Security		39
Pension		5
Child Support		2
Alimony or other Spousal Support		0
Unemployment Insurance		1
EITC		0
Other		20
Unknown/not reported		0
<b>TOTAL</b>		<b>66</b>
<b>Non-Cash Benefits (NCB)</b>		
	Number of Households	
SNAP		35
WIC		3
LIHEAP		0
Housing Choice Voucher		0
Public Housing		1
Permanent Supportive Housing		0
HUD-VASH		0
Childcare Voucher		0
Affordable Care Act Subsidy		0
Other		0
Unknown/not reported		0

July 1, 2019 to June 30, 2020

HOUSING TYPE				
	DOE Units	ECHO Units	LIHEAP-Wx Units	BPA-Wx Units
Owner Single Family - Stick	1	0	18	0
Renter	0	1	3	0
Mobile Owner	1	11	17	2
Mobile Renter	0	0	1	0
Shelter (800 sq. ft. = 1 Unit)	0	0	0	0
<b>TOTAL UNITS</b>	<b>2</b>	<b>12</b>	<b>39</b>	<b>2</b>

COST EFFICIENCIES				
Weatherization				
Weatherization	2	12	39	2
Re-Weatherized	0	0	0	0
BaseLoad Only (BTUS)	0	0	0	0
<b>TOTAL WEATHERIZED</b>	<b>2</b>	<b>12</b>	<b>39</b>	<b>2</b>
Furance Replacements	0	5	14	0
Amount Spent on Replacements	\$0	\$31,776	\$70,182	\$0
Health and Safety (H/S) Units	1	12	25	1
Home Requiring H/S Repairs	1	12	25	1
Amount Spent on H/S Repairs	\$2,095	\$18,309	\$45,855	\$1,102

Total Energy Savings (ECHO ONLY)	
KWh Savings	123,097
Energy Savings in MMBTUS	420

Total unduplicated number of all INDIVIDUALS for whom one or more characteristics were obtained:			88
<b>Gender</b>			<b>Number of Individuals</b>
Male		40	
Female		48	
Other		0	
Unknown/not reported		0	
	<b>TOTAL</b>	<b>88</b>	
<b>Age</b>			<b>Number of Individuals</b>
0-5		3	
6-13		15	
14-17		7	
18-24		3	
25-44		13	
45-54		8	
55-59		10	
60-64		6	
65-74		14	
75+		9	
Unknown/not reported		0	
	<b>TOTAL</b>	<b>88</b>	
<b>Education Levels</b>			<b>Number of Individuals</b>
	ages 18-24	ages 25+	
Grades 0-8	2	5	
Grades 9-12/Non-Graduate	7	23	
High School Grad/Equivalency Diploma	1	22	
12 grade+ Some Post Secondary	0	9	
2 or 4 yrs College Graduate	0	1	
Grad of other Post Secondary School	0	0	
Unknown/not reported	0	0	
	<b>TOTAL</b>	<b>60</b>	
<b>Disconnected Youth</b>			<b>Number of Individuals</b>
Youth ages 14-24 who are neither working or in school		0	
<b>Health</b>			<b>Number of Individuals</b>
	Yes	No	Unknown
Disabling Condition	31	51	2
Health Insurance	73	11	4
<b>Health Insurance Sources</b>			<b>Number of Individuals</b>
Medicaid		58	
Medicare		24	
State Children's Health Insurance Progr		0	
State Health Insurance for Adults		0	
Military Health Care		1	
Direct Purchase		0	
Employment Based		2	
Unknown/not reported		0	
	<b>TOTAL</b>	<b>85</b>	
<b>Ethnicity/Race</b>			<b>Number of Individuals</b>
<b>Ethnicity</b>			
Hispanic, Latino or Spanish Or		23	
Not Hispanic, Latino or Spanis		65	
Unknown/not reported		0	
	<b>TOTAL</b>	<b>88</b>	
<b>Race</b>			
American Indian or Alaska Na		0	
Asian		0	
Black or African American		0	
Native Hawaiian and Other Pa		0	
White		83	
Other		0	
Multi-race (two or more of th		3	
Unknown/not reported		2	
	<b>TOTAL</b>	<b>88</b>	
<b>Military Status</b>			<b>Number of Individuals</b>
veteran		6	
Active Military		0	
Not a Veteran		80	
Unknown/not reported		2	
	<b>TOTAL</b>	<b>88</b>	
<b>Work Status (Individuals 18+)</b>			<b>Number of Individuals</b>
Employed Full-Time		1	
Employed Part-Time		0	
Migrant Seasonal Farm Worker		0	
Unemployed, Short Term		0	
Unemployed, Long Term		0	
Unemployed, Not in Labor Force		7	
Retired		7	
Unknown/not reported		48	
	<b>TOTAL</b>	<b>63</b>	

Total unduplicated number of all HOUSEHOLDS for whom one or more characteristics were obtained:		45
<b>Household Type</b>		<b>Number of Households</b>
Single Person		20
Two Adults, No Children		8
Single Parent Female		4
Single Parent Male		0
Two Parent Household		7
Non-related Adults with Children		0
Multigeneration Household		2
Other		0
Unknown/not reported		4
	<b>TOTAL</b>	<b>45</b>
<b>Household Size</b>		<b>Number of Households</b>
Single Person		25
Two		11
Three		2
Four		2
Five		4
Six or more		1
Unknown/not reported		0
	<b>TOTAL</b>	<b>45</b>
<b>Housing</b>		<b>Number of Households</b>
Own		36
Rent		9
Other Permanent Housing		0
Homeless		0
Other		0
Unknown/not reported		0
	<b>TOTAL</b>	<b>45</b>
<b>Level of Household Income</b>		<b>Number of Households</b>
Up to 50%		3
51% to 75%		2
76% to 100%		14
101% to 125%		11
126% to 150%		4
151% to 175%		4
176% to 200%		1
201% to 250%		6
251% and over		0
Unknown/not reported		0
	<b>TOTAL</b>	<b>45</b>
<b>Sources of Household Income</b>		<b>Number of Households</b>
Income from Employment Only		2
Income from Employment, Other Source		1
Income from Employment, Other Source, NCB		2
Income from Employment, NCB		5
Income from Other Source Only		5
Income from Other Source, NCB		28
No Income		0
NCB (Non-Cash Benefits) Only		2
Unknown/not reported		0
	<b>TOTAL</b>	<b>45</b>
<b>Other Income Sources</b>		<b>Number of Households</b>
TANF		1
Supplemental Security Income (SSI)		12
Social Security Disability Income (SSDI)		3
VA Service-Connected Disability Compensation		1
VA Non-Service Connected Disability Compensation		1
Private Disability Insurance		0
Worker's Compensation		0
Retirement Income from Social Security		22
Pension		2
Child Support		1
Alimony or other Spousal Support		0
Unemployment Insurance		0
EITC		0
Other		11
Unknown/not reported		0
	<b>TOTAL</b>	<b>45</b>
<b>Non-Cash Benefits (NCB)</b>		<b>Number of Households</b>
SNAP		37
WIC		0
LIHEAP		0
Housing Choice Voucher		0
Public Housing		1
Permanent Supportive Housing		0
HUD-VASH		0
Childcare Voucher		0
Affordable Care Act Subsidy		0
Other		0
Unknown/not reported		0

HOUSING TYPE	DOE	ECHO	LIHEAP-Wx	BPA-Wx
	Units	Units	Units	Units
Owner Single Family - Stick	2	1	3	1
Renter	0	1	1	0
Mobile Owner	0	2	2	6
Mobile Renter	0	0	0	0
Shelter (800 sq. ft. = 1 Unit)	0	0	0	0
<b>TOTAL UNITS</b>	<b>2</b>	<b>4</b>	<b>11</b>	<b>7</b>

COST EFFICIENCIES				
Weatherization				
Weatherization	2	4	11	6
Re-Weatherized	0	0	0	0
BaseLoad Only (BTUS)	0	0	0	1
<b>TOTAL WEATHERIZED</b>	<b>2</b>	<b>4</b>	<b>11</b>	<b>6</b>
Furance Replacements	1	3	2	3
Amount Spent on Replacements	\$4,761	\$13,071.90	\$11,023	\$15,347
Health and Safety (H/S) Units	2	2	4	6
Home Requiring H/S Repairs	2	2	4	6
Amount Spent on H/S Repairs	\$3,275	\$2,766	\$5,394	\$9,906

Total Energy Savings (ECHO ONLY)	
KWh Savings	42,997
Energy Savings in MMBTUS	146.6

Total unduplicated number of all INDIVIDUALS for whom one or more characteristics were obtained:			22
<b>Gender</b>			<b>Number of Individuals</b>
Male		7	
Female		15	
Other		0	
Unknown/not reported		0	
<b>TOTAL</b>		<b>22</b>	
<b>Age</b>			<b>Number of Individuals</b>
0-5		2	
6-13		2	
14-17		1	
18-24		0	
25-44		5	
45-54		2	
55-59		0	
60-64		4	
65-74		6	
75+		0	
Unknown/not reported		0	
<b>TOTAL</b>		<b>22</b>	
<b>Education Levels</b>			<b>Number of Individuals</b>
	ages 18-24	ages 25+	
Grades 0-8	0	2	
Grades 9-12/Non-Graduate	1	6	
High School Grad/Equivalency Diploma	0	4	
12 grade+ Some Post Secondary	0	4	
2 or 4 yrs College Graduate	0	0	
Grad of other Post Secondary School	0	0	
Unknown/not reported	0	0	
<b>TOTAL</b>	<b>1</b>	<b>16</b>	
<b>Disconnected Youth</b>			<b>Number of Individuals</b>
Youth ages 14-24 who are neither working or in school		0	
<b>Health</b>			<b>Number of Individuals</b>
	Yes	No	Unknown
Disabling Condition	0	12	1
Health Insurance	22	0	0
<b>Health Insurance Sources</b>			<b>Number of Individuals</b>
Medicaid		16	
Medicare		8	
State Children's Health Insurance Progr		0	
State Health Insurance for Adults		0	
Military Health Care		1	
Direct Purchase		0	
Employment Based		1	
Unknown/not reported		0	
<b>TOTAL</b>		<b>26</b>	
<b>Ethnicity/Race</b>			<b>Number of Individuals</b>
<b>Ethnicity</b>			
Hispanic, Latino or Spanish Or		0	
Not Hispanic, Latino or Spanis		20	
Unknown/not reported		2	
<b>TOTAL</b>		<b>22</b>	
<b>Race</b>			
American Indian or Alaska Na		0	
Asian		0	
Black or African American		0	
Native Hawaiian and Other Pa		0	
White		22	
Other		0	
Multi-race (two or more of th		0	
Unknown/not reported		0	
<b>TOTAL</b>		<b>22</b>	
<b>Military Status</b>			<b>Number of Individuals</b>
veteran		2	
Active Military		0	
Not a Veteran		19	
Unknown/not reported		1	
<b>TOTAL</b>		<b>22</b>	
<b>Work Status (Individuals 18+)</b>			<b>Number of Individuals</b>
Employed Full-Time		0	
Employed Part-Time		0	
Migrant Seasonal Farm Worker		0	
Unemployed, Short Term		0	
Unemployed, Long Term		0	
Unemployed, Not in Labor Force		0	
Retired		7	
Unknown/not reported		15	
<b>TOTAL</b>		<b>17</b>	

Total unduplicated number of all HOUSEHOLDS for whom one or more characteristics were obtained:		13
<b>Household Type</b>		<b>Number of Households</b>
Single Person		8
Two Adults, No Children		1
Single Parent Female		1
Single Parent Male		0
Two Parent Household		1
Non-related Adults with Children		1
Mutgeneration Household		1
Other		0
Unknown/not reported		0
<b>TOTAL</b>		<b>13</b>
<b>Household Size</b>		<b>Number of Households</b>
Single Person		8
Two		3
Three		1
Four		0
Five		1
Six or more		0
Unknown/not reported		0
<b>TOTAL</b>		<b>13</b>
<b>Housing</b>		<b>Number of Households</b>
Own		13
Rent		0
Other Permanent Housing		0
Homeless		0
Other		0
Unknown/not reported		0
<b>TOTAL</b>		<b>13</b>
<b>Level of Household Income</b>		<b>Number of Households</b>
Up to 50%		0
51% to 75%		1
76% to 100%		7
101% to 125%		2
126% to 150%		1
151% to 175%		2
176% to 200%		0
201% to 250%		0
251% and over		0
Unknown/not reported		0
<b>TOTAL</b>		<b>13</b>
<b>Sources of Household Income</b>		<b>Number of Households</b>
Income from Employment Only		0
Income from Employment, Other Source		0
Income from Employment, Other Source, NCB		1
Income from Employment, NCB		1
Income from Other Source Only		2
Income from Other Source, NCB		9
No Income		0
NCB (Non-Cash Benefits) Only		0
Unknown/not reported		0
<b>TOTAL</b>		<b>13</b>
<b>Other Income Sources</b>		<b>Number of Households</b>
TANF		0
Supplemental Security Income (SSI)		3
Social Security Disability Income (SSDI)		1
VA Service-Connected Disability Compensation		0
VA Non-Service Connected Disability Compensation		0
Private Disability Insurance		0
Worker's Compensation		0
Retirement Income from Social Security		8
Pension		1
Child Support		1
Alimony or other Spousal Support		0
Unemployment Insurance		1
EITC		0
Other		2
Unknown/not reported		0
<b>TOTAL</b>		<b>13</b>
<b>Non-Cash Benefits (NCB)</b>		<b>Number of Households</b>
SNAP		11
WIC		0
LIHEAP		0
Housing Choice Voucher		0
Public Housing		0
Permanent Supportive Housing		0
HUD-VASH		0
Childcare Voucher		0
Affordable Care Act Subsidy		0
Other		0
Unknown/not reported		0

HOUSING TYPE	DOE	ECHO	LIHEAP-Wx	BPA-Wx
	Units	Units	Units	Units
Owner Single Family - Stick	0	6	6	0
Renter	0	1	2	0
Mobile Owner	1	28	38	4
Mobile Renter	0	0	0	0
Shelter (800 sq. ft. = 1 Unit)	0	0	0	0
<b>TOTAL UNITS</b>	<b>1</b>	<b>35</b>	<b>46</b>	<b>4</b>

COST EFFICIENCIES				
Weatherization				
Weatherization	1	35	46	4
Re-Weatherized	0	0	0	0
BaseLoad Only (BTUS)	0	0	0	0
<b>TOTAL WEATHERIZED</b>	<b>1</b>	<b>35</b>	<b>46</b>	<b>4</b>
Furance Replacements	0	21	12	3
Amount Spent on Replacements	\$0.00	\$11,142	\$40,908	\$11,565
Health and Safety (H/S) Units	1	34	45	4
Home Requiring H/S Repairs	1	34	45	4
Amount Spent on H/S Repairs	\$1,300	\$29,389	\$12,934	\$2,780

Total Energy Savings (ECHO ONLY)	
KWh Savings	346,912
Energy Savings in MMBTUS	1183

Total unduplicated number of all INDIVIDUALS for whom one or more characteristics were obtained:		97
<b>Gender</b>		
Male	Number of Individuals	44
Female		53
Other		0
Unknown/not reported		0
<b>TOTAL</b>		<b>97</b>
<b>Age</b>		
0-5	Number of Individuals	6
6-13		9
14-17		6
18-24		7
25-44		21
45-54		5
55-59		9
60-64		6
65-74		21
75+		7
Unknown/not reported		0
<b>TOTAL</b>		<b>97</b>
<b>Education Levels</b>		
	Number of Individuals	
	ages 14-24	ages 25+
Grades 0-8	7	1
Grades 9-12/Non-Graduate	3	16
High School Grad/Equivalency Diploma	1	28
12 grade+ Some Post Secondary	1	17
2 or 4 years College Graduate	1	5
Grad of other Post Secondary School	0	2
Unknown/not reported	0	0
<b>TOTAL</b>	<b>13</b>	<b>69</b>
<b>Disconnected Youth</b>		
Youth ages 14-24 who are neither working or in school	Number of Individuals	0
<b>Health</b>		
	Number of Individuals	
	Yes	No
Disabling Condition	17	80
Health Insurance	74	23
<b>Health Insurance Sources</b>		
Medicaid		52
Medicare		21
State Children's Health Insurance Progr		0
State Health Insurance for Adults		0
Military Health Care		1
Direct Purchase		0
Employment Based		7
Unknown/not reported		0
<b>TOTAL</b>		<b>81</b>
<b>Ethnicity/Race</b>		
	Number of Individuals	
<b>Ethnicity</b>		
Hispanic, Latino or Spanish Or		10
Not Hispanic, Latino or Spanis		87
Unknown/not reported		0
<b>TOTAL</b>		<b>97</b>
<b>Race</b>		
American Indian or Alaska Na		0
Asian		0
Black or African American		4
Native Hawaiian and Other Pa		0
White		93
Other		0
Multi-race (two or more of th		0
Unknown/not reported		0
<b>TOTAL</b>		<b>97</b>
<b>Military Status</b>		
	Number of Individuals	
veteran		10
Active Military		0
Not a Veteran		87
Unknown/not reported		0
<b>TOTAL</b>		<b>97</b>
<b>Work Status (Individuals 18+)</b>		
	Number of Individuals	
Employed Full-Time		1
Employed Part-Time		1
Migrant Seasonal Farm Worker		0
Unemployed, Short Term		0
Unemployed, Long Term		4
Unemployed, Not in Labor Force		0
Retired		8
Unknown/not reported		62
<b>TOTAL</b>		<b>76</b>

Total unduplicated number of all HOUSEHOLDS for whom one or more characteristics were obtained:		46
<b>Household Type</b>		
Single Person	Number of Households	19
Two Adults, No Children		8
Single Parent Female		6
Single Parent Male		0
Two Parent Household		6
Non-related Adults with Children		3
Mutgeneration Household		3
Other		0
Unknown/not reported		1
<b>TOTAL</b>		<b>46</b>
<b>Household Size</b>		
	Number of Households	
Single Person		20
Two		16
Three		2
Four		3
Five		3
Six or more		2
Unknown/not reported		0
<b>TOTAL</b>		<b>46</b>
<b>Housing</b>		
	Number of Households	
Own		40
Rent		6
Other Permanent Housing		0
Homeless		0
Other		0
Unknown/not reported		0
<b>TOTAL</b>		<b>46</b>
<b>Level of Household Income</b>		
	Number of Households	
Up to 50%		3
51% to 75%		5
76% to 100%		6
101% to 125%		6
126% to 150%		11
151% to 175%		5
176% to 200%		5
201% to 250%		0
251% and over		0
Unknown/not reported		0
<b>TOTAL</b>		<b>46</b>
<b>Sources of Household Income</b>		
	Number of Households	
Income from Employment Only		1
Income from Employment, Other Source		2
Income from Employment, Other Source, NCB		6
Income from Employment, NCB		7
Income from Other Source Only		9
Income from Other Source, NCB		20
No Income		1
NCB (Non-Cash Benefits) Only		0
Unknown/not reported		0
<b>TOTAL</b>		<b>46</b>
<b>Other Income Sources</b>		
	Number of Households	
TANF		1
Supplemental Security Income (SSI)		5
Social Security Disability Income (SSDI)		5
VA Service-Connected Disability Compensation		3
VA Non-Service Connected Disability Compensation		0
Private Disability Insurance		0
Worker's Compensation		0
Retirement Income from Social Security		25
Pension		0
Child Support		2
Alimony or other Spousal Support		0
Unemployment Insurance		0
EITC		0
Other		19
Unknown/not reported		0
<b>TOTAL</b>		<b>46</b>
<b>Non-Cash Benefits (NCB)</b>		
	Number of Households	
SNAP		33
WIC		0
LIHEAP		0
Housing Choice Voucher		0
Public Housing		3
Permanent Supportive Housing		0
HUD-VASH		0
Childcare Voucher		0
Affordable Care Act Subsidy		0
Other		1
Unknown/not reported		0

## A Portrait of Poverty in Oregon

### *The State of Working Oregon*

By Audrey Mechling

Before the coronavirus (COVID-19) spread to Oregon, poverty afflicted all corners of the state. More than one in 10 Oregonians lived below the federal poverty line before the coronavirus economic crisis. But that figure masks significant differences in poverty levels among different Oregon communities. Certain groups — people of color, women, Oregonians with a disability, and rural communities — face greater obstacles to rise above the federal poverty line.

Moreover, the federal definition of poverty understates the extent of economic hardship in Oregon. The poverty guidelines were originally established in the 1960s based on food prices.<sup>1</sup> As such, it fails to account for the rising cost of housing, health care, child care, and other basic needs. For 2020, a family of four is considered to be living in poverty if they earn less than \$26,200 a year.<sup>2</sup>

After months of uncertainty and economic turmoil unleashed by the pandemic, it is tempting to yearn for a return to normal. It is easy to look at our past economy with rose-colored glasses. But even before the coronavirus ground the economy to a halt, “normal” for many Oregonians meant struggling to make ends meet. A return to normal is not good enough.

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### Many Oregonians struggle to survive on poverty level income

Percent of Oregonians whose income was below the federally defined poverty threshold in 2018

13%



of Oregonians live below the federal poverty line

4 in 10



of those Oregonians live in deep poverty

Source: OCPP analysis of 2018 1-year American Community Survey data.

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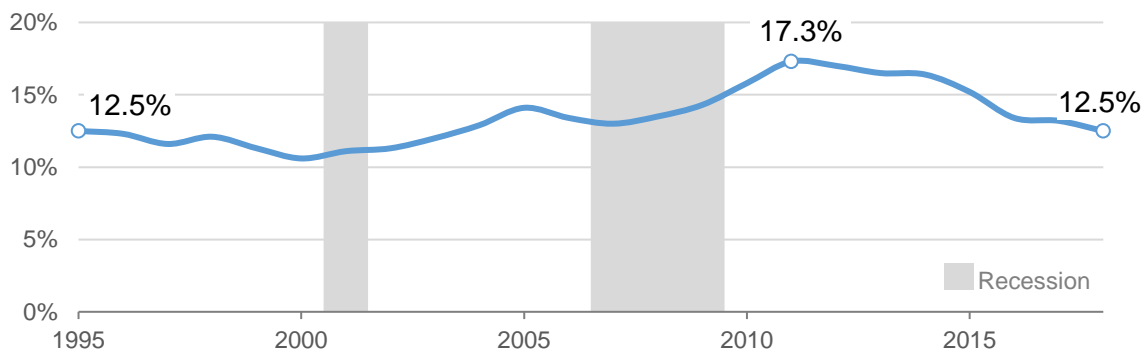
***The State of Working Oregon*** is a series of OCPP fact sheets examining Oregon’s economy from the perspective of working families.

## A Portrait of Poverty in Oregon

In 2018, after eight years of uninterrupted economic growth, Oregon's poverty rate stood at 13 percent, meaning that more than one in 10 Oregonians met the official definition of poverty and likely lacked one or more basic needs.<sup>3</sup> This represents more than 516,000 Oregonians, including 134,000 children. Of those Oregonians living in poverty, four in 10 lived in what some experts refer to as "deep poverty" — income that is less than half of the poverty guideline.<sup>4</sup> For a family of four in 2018, that meant trying to survive on only \$13,100 a year, or less than \$1,100 a month. That family is likely unable to adequately meet most of its basic needs.

### Oregon has made little progress reducing poverty

Percent of Oregonians below federal poverty line from 1995 to 2018



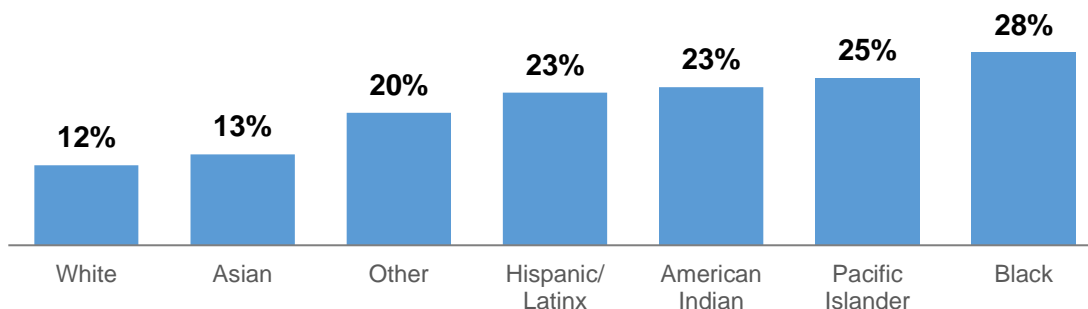
Source: OCPP analysis of Small Area Income and Poverty Estimates from the US Census Bureau.

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While poverty has ebbed and flowed over the years, Oregon's poverty rate in 2018 stood at the same level as in 1995, when the data series begins. Even during times of economic prosperity, poverty in Oregon has not dropped below 10 percent in recent decades.<sup>5</sup>

### Poverty rates higher for communities of color

Poverty rate for Oregonians by race and ethnicity



Source: OCPP analysis of 2014-2018 5-year American Community Survey Public Use Microdata.

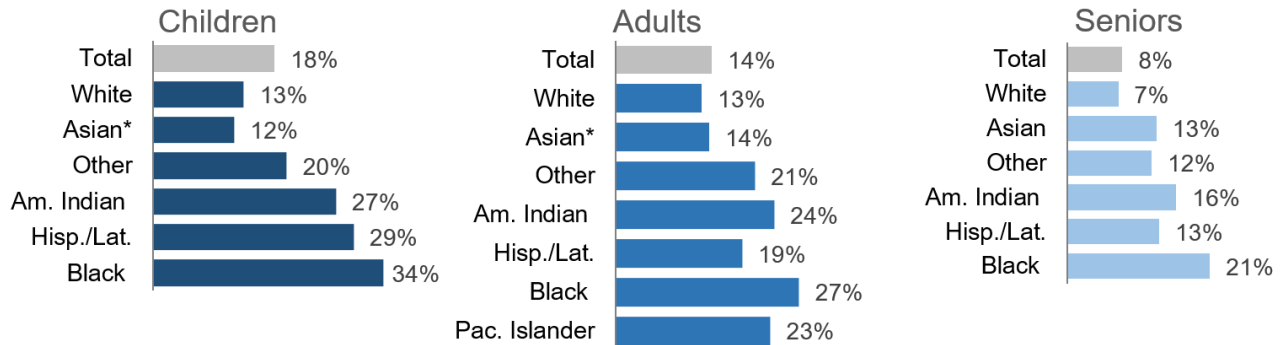
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Before the pandemic, Oregonians of color already confronted significant barriers to getting ahead. The nation's long history of racial oppression and exclusion, coupled with ongoing

patterns of discrimination, have meant that people of color disproportionately work in low-paying jobs and in jobs that lack stability.<sup>6</sup> As a result, poverty rates in communities of color were as much as double the poverty rate for white Oregonians from 2014-2018.<sup>7</sup> This means that about one in four Black, Pacific Islander, American Indian, and Latino Oregonians fell below the federal poverty threshold and were consequently denied many of the fundamental economic opportunities available to others.

## Poverty hits hardest among youth, most communities of color

Poverty rate for 2014-2018 by age group and race and ethnicity in Oregon



\* Not significantly different from white, non-Hispanic Oregonians in the same age category.

**Note:** Data for the Pacific Islander population was included in the "Other" category for children and seniors due to insufficient sample sizes.

**Source:** OCPP analysis of 2014-2018 5-year American Community Survey Public Use Microdata.

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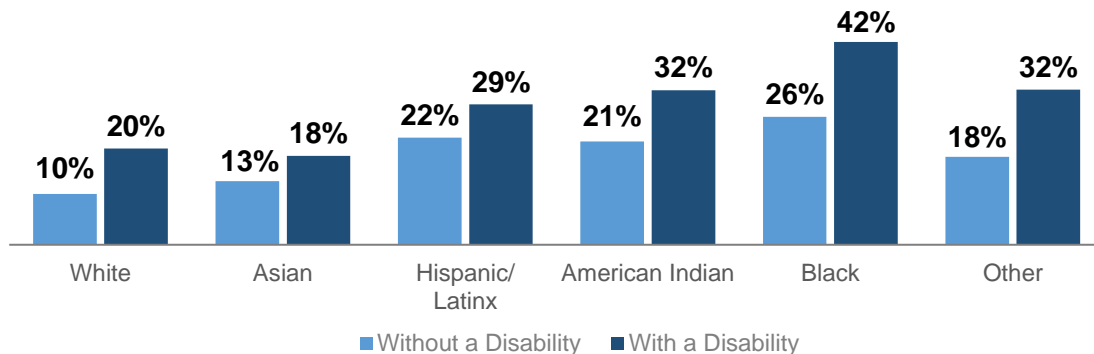
Children are the hardest hit by poverty of any age group. From 2014-2018, Oregon’s child poverty rate was nearly 18 percent, meaning that nearly one in five children in Oregon lived below the poverty line. By comparison, 14 percent of working-age adults and eight percent of seniors fell below the poverty line during that time period.<sup>8</sup>

Poverty among children has particularly harsh long-term consequences. Researchers have found a causal relationship between very low incomes and children’s achievement in school, as well as lower earnings later in life.<sup>9</sup>

Historic inequities have created barriers for children of color that exacerbate their family’s poverty rates. In Oregon, more than one in four American Indian and Latino children, and more than one in three Black children, lived in poor households from 2014-2018. Nationally, children of color, especially Black and American Indian children, are also much more likely to live in high-poverty neighborhoods, or what is known as concentrated poverty.<sup>10</sup> This is due to historic practices like red-lining, as well as current laws and practices that replicate and reinforce past discrimination. Concentrated poverty results in these children growing up in communities that lack the resources that children need to thrive – like quality schools and safe places to play.<sup>11</sup>

### Oregonians experiencing disability face higher poverty rates

Poverty rate for those experiencing disability by race and ethnicity in Oregon



**Note:** Data for the Pacific Islander population included in figures for "Other" due to small sample sizes.  
**Source:** OCPP analysis of 2014-2018 5-year American Community Survey Public Use Microdata.

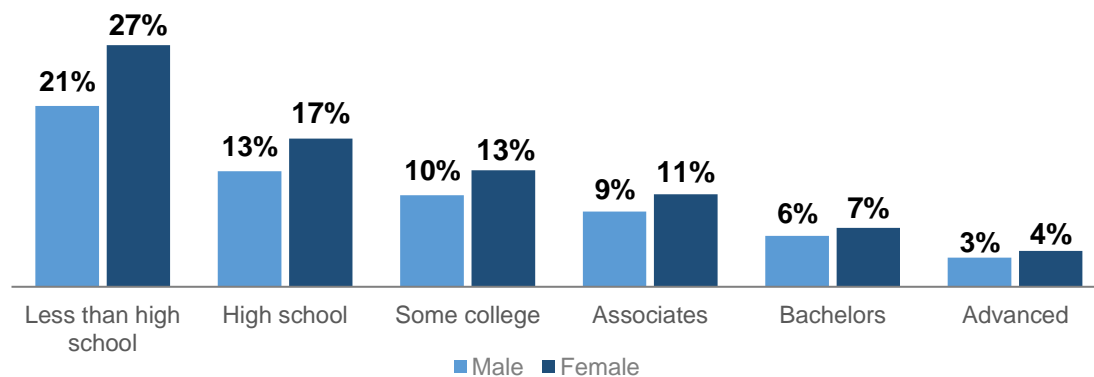
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During even the best of times, people experiencing disability face structural barriers to getting ahead.<sup>12</sup> Federal and state law allow certain federally qualified employers to pay people experiencing disabilities a sub-minimum wage.<sup>13</sup> Although the Oregon legislature recently took action to phase out this lower wage level in Oregon, workers experiencing disability will not be guaranteed the same wage floor as all other workers until 2023.<sup>14</sup>

Because of structural barriers like this, over one in five people experiencing disability had income below the poverty guidelines from 2014-2018. Nearly half of Black women who are experiencing disability lived in poverty.

### Women face higher poverty rates, regardless of education

Poverty rate for Oregon women by level of educational attainment



**Source:** OCPP analysis of 2014-2018 5-year American Community Survey Public Use Microdata.

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Poverty rates also differ between men and women in Oregon. From 2014-2018, the share of women experiencing poverty was 15 percent, while the poverty rate for men was less than 13 percent. This gap existed between women and men regardless of educational attainment. A higher rate of poverty among women appeared at every level of education as compared to men.



Higher poverty rates for women may be due, in part, to the fact that women's wages lag behind those of men, and women are overrepresented in industries that pay the minimum wage.<sup>15</sup>

### High poverty also afflicts transgender Oregonians

While the Census does not provide options for identifying outside of the male/female binary, and does not include questions regarding sexual orientation or gender identity, a different data source shows that transgender, nonbinary, and genderqueer Oregonians face real barriers. According to the 2015 U.S. Transgender Survey, 30 percent of transgender Oregonians lived in poverty in 2015.<sup>16</sup> The report said that anti-trans discrimination fueled economic disparities, with one in five trans Oregonians reporting being fired from a job because of their gender identity or expression, and nearly a third of those employed or seeking employment reporting other forms of discrimination.

### Single mothers likely to live in poverty

Share of single mothers in Oregon whose income was below the federally defined poverty threshold in 2018

**1 in 3**

single mothers in Oregon live in poverty



For Black, Latina, and American Indian single moms, that figure is

**1 in 2**

Source: OCPP analysis of 2014-2018 5-year American Community Survey Public Use Microdata.

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More than one in three single mothers in Oregon lived below the poverty line from 2014-2018.<sup>17</sup> For Black, American Indian, or Latina single mothers, that figure was one in two. In total, there were about 36,000 single mothers in Oregon trying to survive with poverty level incomes.

The high cost of child care poses a formidable barrier for single mothers seeking to rise above poverty. The average annual cost of child care at a center for an infant in Oregon is over \$14,000 a year.<sup>18</sup> The high cost of child care can discourage single mothers from joining the work force.



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### Endnotes

<sup>1</sup> The poverty guidelines are adjusted each year based on the Consumer Price Index. Office of the Assistant Secretary for Planning and Evaluation (ASPE), US Department of Health and Human Services, *Frequently Asked Questions Related to the Poverty Guidelines and Poverty*, available at <https://aspe.hhs.gov/frequently-asked-questions-related-poverty-guidelines-and-poverty>.

<sup>2</sup> Oregon Center for Public Policy, *What is Poverty?*, February 4, 2020, available at <https://www.ocpp.org/2020/02/04/poverty-guidelines-2020/>.

<sup>3</sup> OCPP analysis of 2018 American Community Survey data, table S1701, available at <https://data.census.gov/cedsci/table?q=&g=0400000US41&table=S1701&tid=ACSST1Y2018.S1701&vintage=2018&t=Income%20and%20Poverty%3AOfficial%20Poverty%20Measure%>.

<sup>4</sup> Serena Lei, “The Unwaged War on Deep Poverty”, The Urban Institute, December 2013, available at <https://www.urban.org/features/unwaged-war-deep-poverty>.

<sup>5</sup> OCPP analysis of Small Area Income and Poverty Estimate (SAIPE) Data. This data set provides a longer term view of poverty in Oregon than American Community Survey (ACS) data, as it is adjusted and combined with Current Population Statistics poverty data that has been collected for a longer period of time. 2018 SAIPE and ACS poverty rates used elsewhere in this report differ slightly due to the adjustments made when combining datasets. More information on SAIPE available at <https://www.census.gov/programs-surveys/saipe/guidance.html>.

<sup>6</sup> David Cooper, “Workers of color are far more likely to be paid poverty-level wages than white workers”, Economic Policy Institute, June 2018, available at <https://www.epi.org/blog/workers-of-color-are-far-more-likely-to-be-paid-poverty-level-wages-than-white-workers/>; and

Christian E. Weller, “African Americans Face Systemic Obstacles to Getting Good Jobs”, Center for American Progress, December, 2019, available at <https://www.americanprogress.org/issues/economy/reports/2019/12/05/478150/african-americans-face-systemic-obstacles-getting-good-jobs/>.

<sup>7</sup> This paper relies on OCPP analysis of American Community Survey 2014-2018 Public Use Microdata Sample. All disparities highlighted in this paper were statistically significant at the 95 percent level when compared to non-Hispanic whites. As used in this paper “communities of color” refers to all respondents who identify as something other than non-Hispanic or Latino white. Wherever possible this paper separates out data for the Native Hawaiian or Pacific Islander population, referred to as “Pacific Islander.” Where sample sizes were too small for reliable results, data for Native Hawaiian or Pacific Islanders were included in the “Other” category, rather than grouping them with the “Asian” category, and is noted in charts. This is because Native Hawaiian or Pacific Islanders face economic disparities much greater than that of the broader “Asian” category, and more in line with the “Other” category for those measures where sample sizes were large enough. We did not want to lose this nuance by grouping them as an “Asian American and Pacific Islander” category. “Other” also includes all respondents who selected two or more races. All race categories exclude those who identify as Hispanic or Latino, which are aggregated into a single category.

<sup>8</sup> This report defines “children” as those age 17 and younger, “working-age adult” as those age 18 to 64, and “elderly adult” as those age 65 and older.

- <sup>9</sup> Greg J. Duncan and Katherine Magnuson, *The Long Reach of Early Childhood Poverty, Pathways*, Winter, 2011, available at [https://inequality.stanford.edu/sites/default/files/media/media/pdf/pathways/winter\\_2011/PathwaysWinter11\\_Duncan.pdf](https://inequality.stanford.edu/sites/default/files/media/media/pdf/pathways/winter_2011/PathwaysWinter11_Duncan.pdf).
- <sup>10</sup> Annie E. Casey Foundation, *Children Living in High-Poverty, Low-Opportunity Neighborhoods*, 2019, available at: <https://www.aecf.org/m/resourcedoc/aecf-childrenlivinginhighpoverty-2019.pdf>.
- <sup>11</sup> Ibid.
- <sup>12</sup> Laura Chabot, “Institutional Barriers to Employment for Individuals with Disabilities”, University of Rhode Island, 2013, available at [https://digitalcommons.uri.edu/cgi/viewcontent.cgi?article=1036&context=lrc\\_paper\\_series](https://digitalcommons.uri.edu/cgi/viewcontent.cgi?article=1036&context=lrc_paper_series).
- <sup>13</sup> For more information on the subminimum wage see the Department of Labor website <https://www.dol.gov/general/topic/wages/subminimumwage>.
- <sup>14</sup> Senate Bill 494, 2019 Regular Session, available at <https://olis.leg.state.or.us/liz/2019R1/Measures/Analysis/SB494>.
- <sup>15</sup> Oregon Center for Public Policy, *Portrait of Minimum Wage Workers*, December 19, 2019, available at <https://www.ocpp.org/2019/12/17/portrait-oregon-minimum-wage-workers/>.
- <sup>16</sup> Sandy E. James, Jody L. Herman, Susan Rankin, et al., 2015 U.S. Transgender Survey, National Center for Transgender Equality, December 2016, available at <https://transequality.org/sites/default/files/docs/usts/USTS-Full-Report-Dec17.pdf>. For information on Oregon specific data see the Oregon breakout report available at <https://www.transequality.org/sites/default/files/docs/usts/USTSORStateReport%281017%29.pdf>.
- <sup>17</sup> As used in this report single mother refers to unmarried women who live in a household with their minor children. This excludes women who are parenting non-related children, such as foster children.
- <sup>17</sup> Sandy E. James, Jody L. Herman, Susan Rankin, et al., *2015 U.S. Transgender Survey*, National Center for Transgender Equality, December 2016, available at <https://transequality.org/sites/default/files/docs/usts/USTS-Full-Report-Dec17.pdf>. For information on Oregon specific data see the Oregon breakout report available at <https://www.transequality.org/sites/default/files/docs/usts/USTSORStateReport%281017%29.pdf>.
- <sup>18</sup> Deana Grobe and Roberta B Weber, *2018 Oregon Child Care Market Price Study*, March 2018, available at <https://www.oregon.gov/DHS/ASSISTANCE/CHILD-CARE/Documents/CCMR%202018%20Report.pdf>.
- <sup>19</sup> This report considers counties to be “rural” if they are characterized as nonmetropolitan by federal data sources. The following counties are considered rural: Baker, Clatsop, Coos, Crook, Curry, Douglas, Gilliam, Grant, Harney, Hood River, Jefferson, Klamath, Lake, Lincoln, Malheur, Morrow, Sherman, Tillamook, Umatilla, Union, Wallowa, Wasco, and Wheeler.
- <sup>20</sup> Oregon Employment Department, *The Employment Landscape of Rural Oregon*, May, 2017, available at <https://www.qualityinfo.org/documents/10182/13336/The+Employment+Landscape+of+Rural+Oregon?version=1.2>.