



QUARTER ONE 2023 REPORT

to the Oregon Public Utility Commission
and Energy Trust Board of Directors

ENERGY TRUST OF OREGON

May 15, 2023



Quarter 1 2023 highlights

Financial highlights

- ✓ Revenues totaled \$65.7 million
- ✓ Expenditures totaled \$39.8 million
- ✓ Incentives delivered totaled \$15.8 million

Year-to-date results

- ✓ Saved 5.5 average megawatts
- ✓ Saved 1.0 million annual therms
- ✓ Generated 1.6 average megawatts
- ✓ Avoided 30,000 tons of carbon dioxide

Organizational goals

- ✓ Save and generate energy, reduce customer costs: On track, managing
- ✓ Leverage clean energy solutions: On track
- ✓ Prepare for change: On track

Key accomplishments



Raised incentive amounts and project caps to motivate business customers and support trade ally contractors



Launched heat pump promotion for residents of manufactured homes



Expanded incentive eligibility to Avista business customers on interruptible rate schedules



Supported solar energy systems at affordable housing buildings in Bend, Portland, Sandy and White City

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A glossary of program descriptions and key terms is available online at www.energytrust.org/reports.

I Executive summary^{1,2,3}

A. Progress to organizational goals

Energy Trust's 2023 organizational goals, established through the 2023 business plan, budget and action plan process with input from stakeholders and approved by the board of directors, reflect the organization's priorities for the year and guide staff decision-making regarding allocation of resources.

GOAL 1

Customers will save and generate energy and reduce costs in 2023 and beyond as a result of Energy Trust's investments in their clean energy projects and upgrades.

STATUS: On track, managing

Energy Trust is currently forecasted to meet its electric savings goal, come very close to its natural gas savings goal and exceed its renewable generation goal, all within budget.

Many market conditions seen in 2022 – including labor and equipment shortages and rising prices – are continuing, although there are signs of improvements. Given these conditions, Energy Trust set conservative energy savings goals for 2023 with reserve funds available to capture more savings if the market allows.

Energy Trust raised the per project and per site incentive limits for commercial and industrial customers to motivate them to participate. The limits were lowered in 2021 due to constrained program incentive budgets and can now be raised as budget and demand have stabilized.

Energy Trust increased some residential incentives for income-qualified customers, rental properties and offers delivered by community-based organizations with the goal of reaching and supporting customers with low to moderate incomes.

As of quarter one, Energy Trust has funded 25,000 solar systems since it began offering solar incentives in 2003. It has provided incentives to help customers install 150 megawatts of residential net-metered solar that generates about 170,000,000 kilowatt hours of net-metered renewable electricity per year.

Approximately 30,000 metric tons of carbon dioxide have been avoided as a result of Energy Trust's energy savings and generation so far in 2023, the equivalent of removing 7,100 cars from Oregon roads for one year.

¹ The body of this report includes only activity funded by Oregon electric utility customers of Portland General Electric and Pacific Power under state law and by Oregon natural gas customers of NW Natural, Cascade Natural Gas and Avista through regulatory agreements between the Oregon Public Utility Commission and each natural gas utility. For information on other activities, see Appendix 1.

² This report includes the best available data as of the date of submission.

³ With agreement from utilities and OPUC staff, Energy Trust defines meeting annual goal as achieving 95% to 105% of goal.

GOAL 2

Utility partners, communities and policy implementers will achieve their objectives by leveraging Energy Trust's clean energy solutions that reduce greenhouse gas emissions, support grid management and deliver additional societal benefits.

STATUS: On track

Staff worked with Avista staff to begin serving customers on an interruptible rate schedule, which will help Avista meet carbon emissions reduction goals. These are mostly large commercial, industrial and agricultural customers, and customer outreach efforts began in quarter one. One newly eligible industrial customer has already enrolled in Strategic Energy Management.

Energy Trust supported leaders in Wallowa County on a plan to develop an energy resilience microgrid to power critical and community infrastructure during power outages. Energy Trust has also committed project development assistance for a feasibility assessment of hydropower at Wallowa Lake Dam that could connect to the microgrid.

Energy Trust hosted a meet-and-greet event for representatives from community-based organizations in North Clackamas in collaboration with Black Business Association of Oregon. Attendees learned about Energy Trust and other groups represented and formed connections with each other.

Staff engaged utilities on projects involving distributed energy resources and identified potential targeted load management projects starting in 2024. Engagement was led by the communities and new initiatives sector, which was created in 2022 to support projects that cross multiple sectors and to work with utility partners on strategies and offers to support their objectives.

GOAL 3

Customers and stakeholders will gain future benefits from Energy Trust's investments in preparing the organization for a more dynamic and complex energy industry.

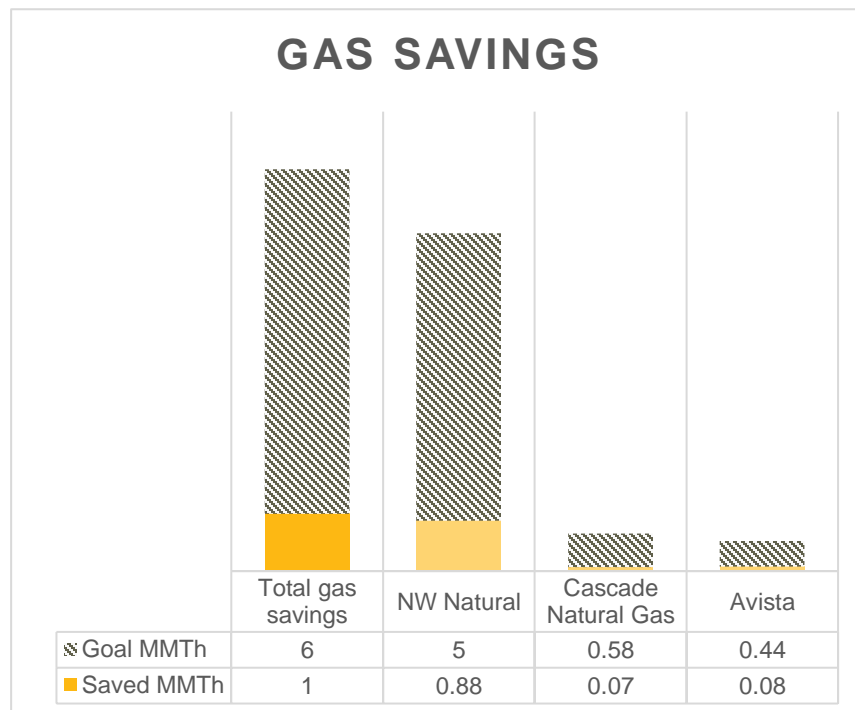
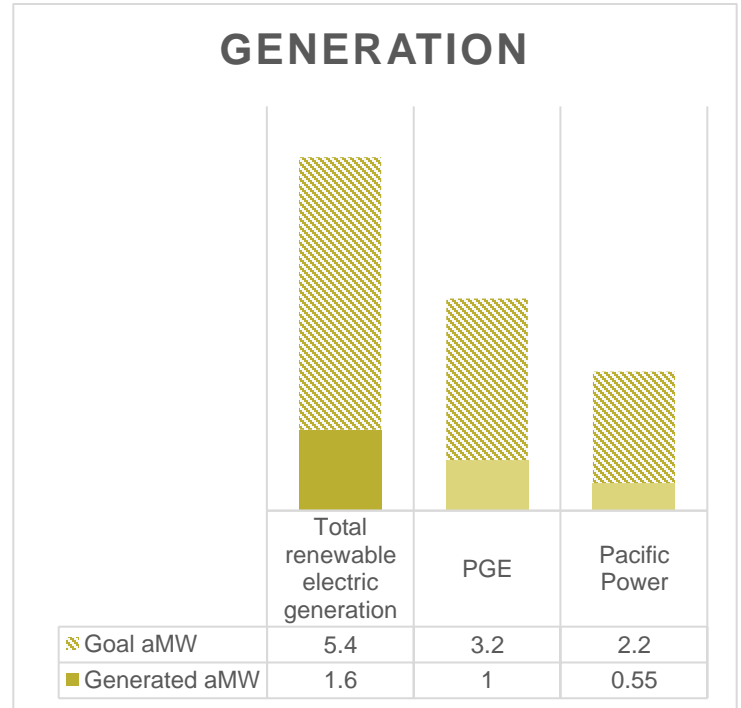
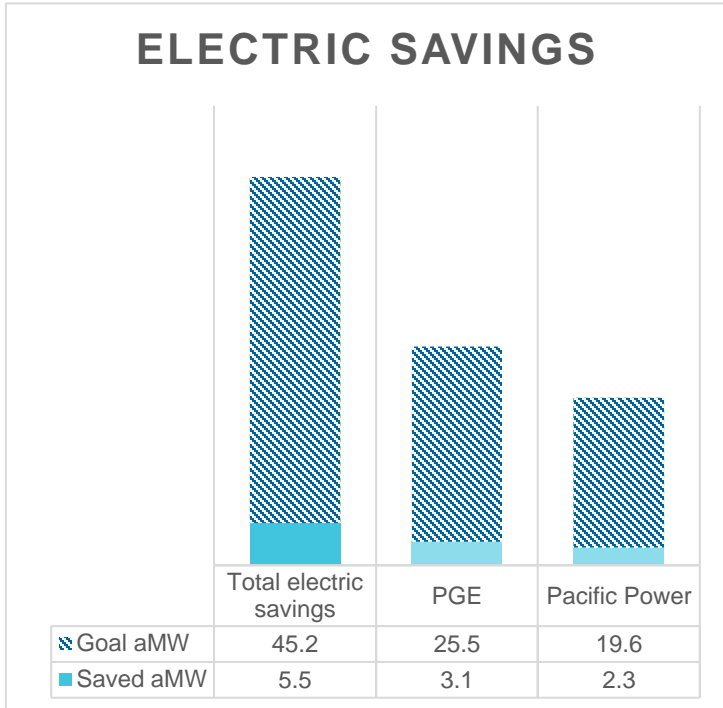
STATUS: On track

Energy Trust hired 15 people in quarter one, more people than are hired in a typical year. On average it took 75 days to fill positions; 40% of applicants and 25% of new hires in 2023 identify as people of color. New staff will support the creation of infrastructure needed to increase gas savings in upcoming years and allow for the redistribution of workloads as Energy Trust establishes new functions related to innovation, development, community engagement and other new initiatives. (The OPUC waived limits on Energy Trust's staff cost increases to allow for above average hiring in 2023.)

The human resources team was restructured to support hiring and onboarding of staff. The team also researched national and regional recruiting strategies to support ongoing hiring.

Staff completed initial research to develop an organizational data strategy. This process involves evaluating existing datasets, future data needs, access, security and data sharing with partners so that data can effectively inform program activities and funding decisions.

B. Year-to-date progress to annual goals^{4,5,6}



⁴ This document reports gross savings.

⁵ aMW indicates average megawatts, MMTh indicates million therms and MM is million.

⁶ Historically, a significant portion of activity and savings occur in the fourth quarter of the year.

II Program and operations activity

The body of this report includes only activity funded by Oregon electric utility customers of Portland General Electric and Pacific Power and Oregon natural gas customers of NW Natural, Cascade Natural Gas and Avista under Energy Trust's grant agreement with the OPUC. Appendix 1 reports energy savings, generation, expenditures and revenues for all Energy Trust activity including those funded through the OPUC grant agreement and other grants and contracts.

A. Commercial sector highlights⁷

- Energy Trust launched bonuses for Existing Building natural gas customers for insulation, antisweat heater controls and modulating gas burners.
- Energy Trust launched new heat pump incentives for multifamily customers in Eastern Oregon. The incentives are for ducted and ductless heat pumps at small multifamily properties installed by participating trade allies in Wallowa, Umatilla, Morrow and Union counties, all of which have low participation rates and income levels that are below the state average.
- Energy Trust launched a language accessibility project to provide access and a supportive pathway for Existing Buildings customers in their primary language. The focus in 2023 will be on a Spanish pathway for deployment in 2024.
- New Buildings savings in quarter one were relatively low after the program moved to complete as many projects as possible by the end of 2022. In quarter one, staff worked on building the pipeline for the year, and the program currently expects to come close to meeting its annual goals for electric and gas savings.

B. Industry and agriculture sector highlights⁸

- As of 2023, the Production Efficiency program is managed and delivered by one Program Management Contractor instead of multiple Program Delivery Contractors serving different geographic areas. During the transition in quarter one, staff focused on outreach to ensure continuity for customers, vendors and trade allies and on developing the 2023 project pipeline.
- Energy Trust increased gas incentives for custom and standard projects to motivate customers and capture more gas savings.

⁷ The commercial sector is comprised of two programs: Existing Buildings and New Buildings. Existing Buildings, which includes multifamily customers, offers incentives for energy-efficient improvements in existing commercial buildings of all sizes. New Buildings supports design and construction of high-performance commercial buildings and major renovations of all sizes and building types. Lighting offers for commercial customers are delivered separately.

⁸ The industrial and agriculture sector provides energy-efficiency solutions for eligible industrial, agricultural and municipal water and wastewater recovery facility customers. It consists of one program, the Production Efficiency program, which provides services and incentives through three primary delivery tracks: standard, custom and energy performance management. Lighting offers for industrial customers are delivered separately.

- Energy Trust launched a cloud-based energy performance tracking platform for industrial Strategic Energy Management customers. This allows customers, contractors and Energy Trust to track, report and manage energy more effectively. This is available to commercial SEM customers as well.

C. Business lighting highlights⁹

- Staff hosted in-person events for trade allies in Portland, Bend and Medford to promote incentive increases for standard and custom projects.
- Energy Trust added outreach positions through its PDC in Central Oregon, Southern Oregon and Mid-Willamette Valley to support trade allies and program participation.
- Staff engaged distributors across the state to promote instant discount offers that launched in late 2021. These are incentives paid to distributors with savings passed onto customers. In quarter one, Energy Trust enrolled three new distributors to offer these discounts.
- Staff monitored proposed state legislation (HB 2531) that would limit the sale of some compact fluorescent lamps on or after January 1, 2024, and other CFLs plus linear fluorescent lamps as of January 1, 2025. This would affect Energy Trust lighting offers and strategies to serve small businesses; staff is keeping OPUC staff apprised of potential impacts on Energy Trust customers.

D. Residential sector highlights¹⁰

- Energy Trust launched a heat pump promotion for residents of manufactured homes that provides a \$4,000 discount for ducted units and \$3,500 for ductless units, and the program trained 34 trade allies in seven of 11 trade ally service regions to deliver the offer. Staff will continue to recruit and train contractors to deliver the offer throughout Energy Trust's electric service area in quarter two.
- Similar to 2022, heat pump sales overall were lower than expected as customers waited for details about federal tax credits and rebate eligibility under the Inflation Reduction Act.
- The sector is managing three pilots:
 - A no-cost ductless heat pump pilot that launched in 2022 is being delivered with community-based organizations to serve residential customers with low incomes who are navigating high energy burdens. In quarter one, 21 ductless heat pumps were installed in single-family or manufactured homes at no cost to the customer, bringing the number of units installed through the pilot to 63 with the goal of 325 units in homes by 2025.
 - Staff is developing a hybrid HVAC pilot to understand the value to electric and natural gas utilities and customers of installing heat pumps in homes with existing, newer gas furnaces. The pilot, set to launch in quarter three, is being developed in close coordination with all electric and

⁹ Lighting offers for commercial and industrial customers are delivered by one Program Delivery Contractor. Savings goals are incorporated into commercial and industrial sector goals.

¹⁰ The residential sector provides energy-efficiency solutions for residential customers of single-family homes, manufactured homes and newly constructed homes. Incentives are available for smart thermostats, energy-efficient heating, water heating and air conditioning equipment, lighting, appliances, weatherization upgrades, whole-home improvements and new construction.

natural gas utility partners and seeks to understand impacts to customer energy use and technical considerations related to installations.

- Staff is preparing a smart thermostat pilot to test savings of two Honeywell products. Recruitment will begin in quarter two. The pilot will determine if Energy Trust will offer incentives for these devices, which are already used in PGE and Pacific Power demand response programs.

E. Renewable energy sector highlights¹¹

- Demand for residential solar continues to be strong. Incentive applications were up 20% compared with quarter one of 2022; much of this growth was driven by a small number of trade allies.
- Energy Trust provided incentives to solar systems at four affordable housing buildings in Bend, Portland, Sandy and White City that will generate a combined 300 kilowatts.
- Energy Trust is developing an incentive offer for battery storage paired with residential solar systems to launch in quarter two. Development of the offer began after passage of HB 3141, passed in 2021, that allows Energy Trust renewables funding to support distribution-system connected technologies like battery storage systems. The solar + storage offer will include standard and income-qualified incentive levels. Staff will get feedback on the offer from stakeholders in quarter two including community-based organizations that serve rural Oregonians, people with low incomes and communities of color.
- Staff extended a contract with Farmers Conservation Alliance to operate the Irrigation Modernization Program through March 2024. The program has supported 28 irrigation districts by funding planning and technical studies for system improvement plans and identifying opportunities for in-pipe hydropower systems. It has leveraged a combined \$209 million in federal and state funding to pipe irrigation canals.
 - Energy Trust plans to issue a request for proposals later this year for delivery of the Irrigation Modernization Program in 2024-2025. Energy Trust regularly rebids contracts to ensure highest value for ratepayers.

F. Communities and new initiatives sector highlights¹²

- Staff supported OPUC staff in finalizing Energy Trust's 2023 equity metrics by providing details and 2022 spending information that will serve as a baseline for 2023 activity.
- Staff provided feedback to City of Portland staff developing a climate investment plan for the Portland Clean Energy Community Benefits Fund. The plan will overlap with many of Energy Trust's priorities, including service to people of color, renters and people with lower incomes, establishing community

¹¹ The renewable energy sector offers standard and custom incentives for small-scale solar, biopower and hydropower projects and energy storage. Its activities promote equitable access to renewable energy, resilience and grid support.

¹² The communities and new initiatives sector was created in 2022 to develop and manage offers that involve multiple programs, including community-wide projects, distributed energy resources and flexible grid management projects. This will streamline support for communities and organizations seeking comprehensive energy solutions.

resilience hubs, constructing high performance affordable multifamily buildings and diversifying the workforce.

G. Internal operations highlights¹³

- Communications staff conducted public relations on Inflation Reduction Act tax credits and how they can be paired with Energy Trust incentives. This and other media relations resulted in 86 news stories with \$5.2 million in publicity value, which helps Energy Trust build awareness among eligible customers.
- Web staff prepared updates to residential webpages that will launch in quarter two and are designed to be easier for customers to navigate.
- Customer service staff hosted a virtual Existing Buildings Trade Ally Forum and three in-person seminars on business lighting offers that provided trade allies with training and information on 2023 incentives.
- Policy staff monitored nearly 200 pieces of legislation in the 2023 Oregon legislative session, including four bills that are part of the Resilient, Efficient Buildings (REBuild) package, a linear fluorescent lighting phase-out bill, a residential natural gas incentives phase-out bill and a bill on administration of Oregon's Inflation Reduction Act rebate funds. All bills monitored were pending at the end of quarter one.
- Policy staff provided testimony to the legislature about the potential on-the-ground impact of HB 3166, which would establish a resource to support consumer decision-making on energy efficiency, and testified about Energy Trust's manufactured home replacement program that has been and could continue to be leveraged by Oregon Housing and Community Services.
- Policy staff supported municipalities developing and implementing climate and sustainability plans including in Bend, the Confederated Tribes of the Umatilla Indian Reservation, Grants Pass, Hillsboro, Salem and Tigard.
- IT staff created a tool for tracking new funding opportunities within the existing customer relationship management system.
- Evaluations staff hosted a public webinar on results from Energy Trust's 2022 Customer Awareness and Participation Survey, which measured residential participation and awareness among different customer groups. The survey results are posted on energytrust.org/reports.
- Planning staff supported integrated resource plan processes for PGE, Pacific Power, NW Natural, Cascade Natural Gas and Avista.
- Planning staff continued to track and support utility local distribution planning efforts including tracking the OPUC Distribution System Planning docket (UM 2005) and working with NW Natural on its geographically targeted energy efficiency pilot project.
- Innovation and development staff assembled a pool of qualified grant writers to support Energy Trust applications for grant funding. Staff also supported proposals from school districts in Phoenix, Umpqua and Wasco applying for federal funding for energy efficiency and health upgrades. These projects would use Energy Trust incentives, and leveraging federal funds would achieve more benefits.

¹³ Energy Trust's internal operations teams include communications, customer service, general marketing, Trade Ally Network management, outreach, policy services, IT, operations support, and planning and evaluation.

- Staff participated in discussions with the Oregon Department of Energy, Oregon Housing and Community Services and others on opportunities for federal funding from the Inflation Reduction Act and Bipartisan Infrastructure Law, including responding to requests for information on two IRA programs.

III Updates on progress to OPUC equity metrics

This section provides updates on Energy Trust’s activities to meet equity metrics for 2023 set by the OPUC as part of its annual performance measures for Energy Trust. For more information on the 2023 performance measures, see energytrust.org/reports.

METRIC 1

Increased support to nonprofit organizations with a purpose to serve environmental justice communities or to support nonprofit-led initiatives serving environmental justice communities:

Energy Trust enrolled four additional nonprofits organizations in the Willamette Valley, Eastern and Southern Oregon as program delivery partners under its Community Partner Funding offer.

Energy Trust completed a second round of funding through its Working Together Grants program for qualifying nonprofits, awarding \$80,0000 to eight organizations.

Energy Trust is providing financial support to place AmeriCorps RARE members with three nonprofit organizations: Rogue Climate, The Environmental Center and Klamath & Lake Community Action Services. Resource Assistance for Rural Environments, or RARE, is an AmeriCorps program run by the University of Oregon.

METRIC 2

Increased funding for positions to support targeted outreach to environmental justice communities, including funding for community ambassadors, education and workshops:

Staff trained new Program Management Contractor outreach staff assigned to engaging environmental justice communities.

Energy Trust’s Tribal Working Group developed goals for 2023 focused on best approaches for outreach and coordination of services to tribal governments.

Energy Trust outreach staff attended community events to deepen connections with environmental justice organizations and customers, including ones hosted by Ka ‘Aha Lāhui O ‘Olekona Hawaiian Civic Club of Oregon and SW Washington and the Asian Pacific American Network of Oregon.

Energy Trust continued working on the Solar Ambassadors initiative; for more information, see page 1.

METRIC 3

Create and expand low-cost and no-cost offers to reduce energy burden:

Energy Trust identified several no- and low-cost offers to study in 2023 for 2024 deployment.

METRIC 4

Solar and solar-with-storage system projects supported for low- and moderate-income residents in areas with limited infrastructure or high energy burden:

Energy Trust is developing a solar + storage incentive offer to launch in quarter two; for more information, see page 8.

IV Revenues and expenditures tables¹⁴

This section reports on revenues and expenditures for Oregon activity funded by Oregon ratepayers for energy efficiency and renewable energy under Energy Trust's grant agreement with the Oregon Public Utility Commission. The total organization results appendix reports energy savings, generation, expenditures and revenues for all Energy Trust activity, including activity in NW Natural service area in Southwest Washington and activities funded by grants and contracts.

A. Revenues under OPUC grant agreement^{15,16}

Source	Q1 actual revenues	Q1 budgeted revenues	Budget variance
PGE Efficiency \$	25,587,852	\$ 25,202,578	2%
PGE Renewables \$	3,261,440	\$ 2,594,308	26%
Pacific Power Efficiency \$	17,449,272	\$ 16,231,907	7%
Pacific Power Renewables \$	2,029,755	\$ 1,824,711	11%
NW Natural \$	14,966,437	\$ 12,347,247	21%
NW Natural Industrial DSM \$	-	\$ 2,000,000	-100%
Cascade Natural Gas \$	1,807,561	\$ 1,319,392	37%
Avista \$	548,322	\$ 548,322	0%
Avista Interruptible \$	56,364	\$ 56,362	0%
Total \$	65,707,002	\$ 62,124,827	6%

B. Expenditures under OPUC grant agreement^{17,18}

Source	Q1 actual expenditures	Q1 budgeted expenditures	Budget variance
Portland General Electric \$	17,853,863	\$ 22,818,539	-22%
Pacific Power \$	13,478,028	\$ 14,559,239	-7%
NW Natural \$	5,972,888	\$ 6,314,616	-5%
NW Natural Industrial DSM \$	788,205	\$ 1,101,985	-28%
Cascade Natural Gas \$	744,383	\$ 942,044	-21%
Avista \$	1,006,669	\$ 747,802	35%
Avista Interruptible \$	2,506	\$ 39,455	-94%
Total \$	39,846,541	\$ 46,523,680	-14%

¹⁴ Columns may not total due to rounding.

¹⁵ Revenues include ratepayer revenue collected for energy-efficiency programs and ratepayer-funded public purpose charge revenues collected for renewable energy activities.

¹⁶ A NW Natural Industrial DSM payment that was expected in Q1 arrived in Q2.

¹⁷ Q1 incentive payments for Avista came in higher than expected. Energy Trust had budgeted for negative net income for Avista and other utilities in 2023 with the intent of spending down reserves over the year.

¹⁸ Incentives for Avista interruptible customers became available in Q2.

C. Expenditures under OPUC grant agreement by sector and program¹⁹

		Q1 actual expenditures	Q1 budgeted expenditures	Budget variance
Commercial	Existing Buildings	\$ 10,954,005	\$ 12,476,026	-12%
	New Buildings	\$ 2,528,531	\$ 3,565,195	-29%
	NEEA Commercial	\$ 857,005	\$ 952,224	-10%
Commercial total		\$ 14,339,541	\$ 16,993,445	-16%
Industrial	Production Efficiency	\$ 6,740,489	\$ 7,154,846	-6%
	NEEA Industrial	\$ -	\$ -	N/A
Industrial total		\$ 6,740,489	\$ 7,154,846	-6%
Residential	Residential	\$ 11,178,824	\$ 13,839,646	-19%
	NEEA Residential	\$ 1,163,568	\$ 954,783	22%
Residential total		\$ 12,342,392	\$ 14,794,430	-17%
Energy efficiency total		\$ 33,422,422	\$ 38,942,721	-14%
Renewables	Solar	\$ 3,064,949	\$ 3,503,932	-13%
	Other Renewables	\$ 474,873	\$ 615,444	-23%
Renewable generation total		\$ 3,539,822	\$ 4,119,375	-14%
Administration		\$ 2,884,298	\$ 3,461,584	-17%
Total		\$ 39,846,541	\$ 46,523,680	-14%

D. Incentives paid

	PGE efficiency	Pacific Power efficiency	NW Natural efficiency	Cascade Natural Gas efficiency	Avista efficiency	PGE generation	Pacific Power generation	Total
Q1	\$ 5,844,118	\$ 4,446,548	\$ 2,687,305	\$ 252,507	\$ 380,216	\$ 1,503,213	\$ 688,895	\$ 15,802,802
Total	\$ 5,844,118	\$ 4,446,548	\$ 2,687,305	\$ 252,507	\$ 380,216	\$ 1,503,213	\$ 688,895	\$ 15,802,802

¹⁹ Administration costs are different than administrative and program support costs as defined by the OPUC's performance measure, which also includes program costs in the following areas: program management, program delivery, program incentives, program payroll and related expenses, outsourced services, planning and evaluation services, customer service management and Trade Ally Network management.

E. Low- and moderate-income renewable energy expenditures²⁰

	YTD renewable		YTD LMI		Percent of revenues
	revenues		expenditures		benefiting LMI customers
Portland General Electric	\$	3,261,440	\$	1,089,546	33%
Pacific Power	\$	2,029,755	\$	387,015	19%
Total	\$	5,291,195	\$	1,476,560	28%

²⁰ This table reports on a 25% minimum annual renewable energy spending requirement for Energy Trust under HB 3141. Revenues include all renewable energy revenues, and expenditures are only those that benefit customers with low and moderate incomes.

V Savings and generation tables^{21,22,23}

A. Savings and generation by fuel

	Q1 savings/generation	Annual goal	Percent achieved YTD
Electric savings	5.5 aMW	45.2 aMW	12%
Natural gas savings	1,024,123 therms	6,049,345 therms	17%
Electric generation	1.57 aMW	5.42 aMW	29%

B. Progress toward annual efficiency goals by utility

	Q1 savings	Annual goal	Percent achieved YTD	Annual IRP target	Percent achieved YTD
Portland General Electric	3.1 aMW	25.5 aMW	12%	27.8 aMW	11%
Pacific Power	2.3 aMW	19.6 aMW	12%	21.2 aMW	11%
NW Natural	879,436 therms	5,025,171 therms	18%	5,424,114 therms	16%
Cascade Natural Gas	68,423 therms	581,032 therms	12%	688,176 therms	10%
Avista	76,264 therms	443,141 therms	17%	527,675 therms	14%

C. Electric savings by sector and program

	Q1 savings aMW	Annual goal aMW	Percent achieved YTD
Commercial	Existing Buildings	2.2	18%
	New Buildings	0.1	1%
	NEEA Commercial	0.2	10%
	Commercial total	2.5	11%
Industrial	Production Efficiency	1.9	14%
	NEEA Industrial	0.1	10%
	Industrial total	1.9	13%
Residential	Residential	0.7	15%
	NEEA Residential	0.4	10%
	Residential total	1.1	13%
	Total electric savings	5.5	12%

²¹ Columns may not total due to rounding.

²² Electric savings also include transmission and distribution savings.

²³ Energy Trust reports 100% of generation and capacity for renewable energy installations supported by Energy Trust's cash incentives. While some of these projects have additional sources of funding, Energy Trust enabled project completion.

D. Natural gas savings by sector and program

		Q1 savings therms	Annual goal therms	Percent achieved YTD
Commercial	Existing Buildings	317,379	2,109,310	15%
	New Buildings	5,770	336,822	2%
	NEEA Commercial	174	1,748	10%
Commercial total		323,324	2,447,880	13%
Industrial	Production Efficiency	157,324	1,279,515	12%
	NEEA Industrial	-	-	-
Industrial total		157,324	1,279,515	12%
Residential	Residential	543,475	2,321,949	23%
	NEEA Residential	-	-	-
Residential total		543,475	2,321,949	23%
Total natural gas savings		1,024,123	6,049,345	17%

E. Renewable energy generation by utility

	Q1 generation aMW	Annual goal aMW	Percent achieved YTD
Portland General Electric	1.02	3.18	32%
Pacific Power	0.55	2.24	25%
Total	1.57	5.42	29%

F. Renewable energy generation by program

	Q1 generation aMW	Annual goal aMW	Percent achieved YTD
Solar	1.57	5.36	29%
Other Renewables	-	0.07	-
Total generation	1.57	5.42	29%

G. Utility-invested efficiency expenditures²⁴

Utility	Q1 expenditures
Portland General Electric \$	161,197
Pacific Power \$	233,141
Total \$	394,338

²⁴ This reflects utility investments of a portion of efficiency tariff funds. Funds are collected by the utility and are in addition to funds received by Energy Trust. Reports detailing activities funded by these expenditures are submitted annually by the utilities to the OPUC.

APPENDIX 1: Total organization results

This appendix provides information on Energy Trust's energy savings and renewable generation results as well as revenue and expenditures for programs beyond its core electric and gas efficiency and renewable energy programs under Energy Trust's grant agreement with the Oregon Public Utility Commission. Many of these programs will help Energy Trust reach more customers and will result in energy savings and generation; programs that deliver reportable savings and generation results may be funded by multiple sources, including funding received under the OPUC grant agreement.

Highlights of this work for quarter one:

- Energy Trust is administering the Oregon Department of Energy's Landlord Provided Cooling Space Initiative that provides cooling equipment at multifamily properties. In quarter one, staff gathered feedback from landlords, housing organizations, stakeholders and trade allies through surveys, one-on-one meetings and group engagement sessions to enhance program design. Staff is also developing a strategic education, marketing and outreach strategy to reach and a timeline for implementation and analytics to track the effectiveness.
- Energy Trust extended its contract with Energy Solutions to administer the Oregon Community Solar Program through early 2024. Nearly all the program capacity excluding that reserved for small projects or those with public or nonprofit managers has now been allocated and more projects are achieving commercial operation; Energy Trust is identifying solutions to fill the reserved program capacity.
- Energy Trust continued supporting Solar Ambassadors, a project co-created with community-based organizations to improve solar access to people of color through education by community members. In quarter one, staff planned to recruit and train ambassadors starting in May.
- Staff continued to support Clean Energy States Alliance in its Solar with Justice study on solar adoption in priority communities by surveying community-based organizations. CESA received a six-month extension from the U.S. Department of Energy and the project will now end in September 2023.
- In preparation to launch Smart Grid Advanced Load Management & Optimized Neighborhood (SALMON), Energy Trust reviewed options with PGE for increased incentives in the study area. The team also developed marketing and evaluation plans and contractor training offers with Earth Advantage, Ener-City Collaborative, Community Energy Project and others.
 - Separately, PGE has contracted with Energy Trust on Flex Feeder, a project to create new energy-efficiency offers and explore how to integrate efficiency in the planning, forecasting and design of demand-side management programs. This is part of PGE's Smart Grid Test Bed and supports SALMON. In quarter one, the project team established an activity plan and timeline and onboarded a contract energy analyst for the project.
- To support PGE's Smart Inverter Pilot – which has been rebranded as the Smart Solar Study – Energy Trust launched a smart inverter incentive that will allow Energy Trust to pass funds from PGE to participating customers.
- Energy Trust worked with PGE, Cascade Natural Gas and Avista to begin scoping targeted load management efforts for 2024 implementation, including discussions on potential targeted load management areas, peak management needs and community engagement plans.

- Staff continued preparation work for the Solar Energy Resilience for Vulnerable Communities (SERV) project to do planning and feasibility work for solar microgrid resilience projects in anticipation of a forthcoming FEMA grant. Quarter one activities included finalizing position descriptions for two new hires and preparing subcontractor processes.
- Other work reflected in the revenues and expenditures tables in this appendix include:
 - Activity in NW Natural service area in Southwest Washington
 - A now-completed targeted load management pilot with NW Natural
 - A contract to support PGE's Smart Battery Pilot
 - Preparation work to begin offering incentives to gas transport customers
- Energy Trust also receives revenue from investments and spends money on business development.

A. Total organization revenues^{25,26,27}

Source	Q1 actual revenues	Q1 budgeted revenues	Budget variance
OPUC grant agreement	\$ 65,707,002	\$ 62,124,827	6%
NW Natural for Washington	\$ -	\$ 1,053,395	-100%
Avista Transport	\$ -	\$ -	N/A
Cascade Natural Gas Transport	\$ -	\$ 67,500	-100%
Cooling Space Initiative (Oregon DOE contract)	\$ 68,069	\$ 156,927	-57%
NW Natural for TLM	\$ -	\$ 6,126	-100%
Oregon Community Solar Program (contract)	\$ 101,482	\$ 88,914	14%
PGE Smart Battery Pilot (contract)	\$ 13,300	\$ 101,724	-87%
PGE Flex Feeder (contract)	\$ 5,278	\$ 58,721	-91%
PGE Smart Inverter Pilot (contract)	\$ 4,670	\$ 30,250	-85%
SALMON (US DOE grant)	\$ 54,768	\$ 69,305	-21%
SERV (FEMA grant)	\$ -	\$ -	N/A
Solar Ambassadors (NREL grant)	\$ 35,000	\$ 73,630	-52%
Solar with Justice (US DOE grant)	\$ 6,930	\$ 1,280	441%
Investments	\$ 369,495	\$ 62,499	491%
Business development	\$ 1,150	\$ -	N/A
Total	\$ 66,367,144	\$ 63,895,098	4%

²⁵ A NW Natural for Washington payment that was expected in Q1 arrived in Q2.

²⁶ Business development revenues came from consulting work by staff.

²⁷ A new FDIC-insured investment product with Energy Trust's primary bank is delivering significantly more yield than was budgeted.

B. Total organization expenditures

Source	Q1 actual expenditures	Q1 budgeted expenditures	Budget variance
OPUC grant agreement	\$ 39,846,541	\$ 46,523,680	-14%
NW Natural for Washington	\$ 722,326	\$ 619,966	17%
Avista Transport	\$ -	\$ 28,299	-100%
Cascade Natural Gas Transport	\$ -	\$ 33,220	-100%
Cooling Space Initiative (Oregon DOE contract)	\$ 68,069	\$ 156,926	-57%
NW Natural for TLM	\$ 8,965	\$ 6,127	46%
Oregon Community Solar Program (contract)	\$ 60,126	\$ 67,647	-11%
PGE Smart Battery Pilot (contract)	\$ 11,781	\$ 102,811	-89%
PGE Smart Inverter Pilot (contract)	\$ 3,137	\$ 26,337	-88%
PGE Flexible Feeder (contract)	\$ 4,421	\$ 45,093	-90%
SALMON (US DOE grant)	\$ 69,361	\$ 90,216	-23%
SERV (FEMA grant)	\$ 1,161	\$ -	N/A
Solar Ambassadors (NREL grant)	\$ 60,959	\$ 84,676	-28%
Solar with Justice (US DOE grant)	\$ 9,953	\$ -	N/A
Business development	\$ 57,434	\$ 58,782	-2%
Total	\$ 40,924,233	\$ 47,843,781	-14%

C. Total organization expenditures by activity²⁸

		Q1 actual	Q1 budgeted	Budget
		expenditures	expenditures	variance
OPUC grant agreement		\$ 36,962,244	\$ 43,062,096	-14%
Other	NW Natural for Washington	\$ 670,040	\$ 573,837	17%
	Avista Transport	\$ -	\$ 26,193	-100%
	Cascade Natural Gas Transport	\$ -	\$ 30,748	-100%
	Cooling Space Initiative (Oregon DOE contract)	\$ 63,142	\$ 145,250	-57%
	NW Natural for TLM	\$ 8,316	\$ 5,672	47%
	Oregon Community Solar Program (contract)	\$ 55,774	\$ 62,614	-11%
	PGE Smart Battery Pilot (contract)	\$ 10,928	\$ 95,161	-89%
	PGE Smart Inverter Pilot (contract)	\$ 2,910	\$ 24,377	-88%
	PGE Flexible Feeder (contract)	\$ 4,421	\$ 41,738	-89%
	SALMON (US DOE grant)	\$ 64,341	\$ 83,503	-23%
	SERV (FEMA grant)	\$ 1,077	\$ -	N/A
	Solar Ambassadors (NREL grant)	\$ 56,546	\$ 78,376	-28%
	Solar with Justice (US DOE grant)	\$ 9,232	\$ -	N/A
	Business development	\$ 57,434	\$ 58,782	-2%
	Other Total		\$ 1,004,160	\$ 1,226,253
Administration		\$ 2,957,829	\$ 3,555,432	-17%
Total expenditures		\$ 40,924,233	\$ 47,843,781	-14%

D. Total organization savings and generation by fuel²⁹

	Q1	Annual	Percent
	savings/generation	goal	achieved YTD
Electric savings	5.5 aMW	45.2 aMW	12%
Natural gas savings	1,072,423 therms	6,349,265 therms	17%
Electric generation	1.57 aMW	5.42 aMW	29%

²⁸ Administration is different than administrative and program support costs as defined by the OPUC's performance measure, which also includes program costs in the following areas: program management, program delivery, program incentives, program payroll and related expenses, outsourced services, planning and evaluation services, customer service management and Trade Ally Network management.

²⁹ Savings includes NW Natural savings in Southwest Washington.

E. Total organization progress toward annual efficiency goals by utility

	Q1 savings	Annual goal	Percent achieved YTD	Annual IRP target	Percent achieved YTD
Portland General Electric	3.1 aMW	25.5 aMW	12%	27.8 aMW	11%
Pacific Power	2.3 aMW	19.6 aMW	12%	21.2 aMW	11%
NW Natural	879,436 therms	5,025,171 therms	18%	5,424,114 therms	16%
Cascade Natural Gas	68,423 therms	581,032 therms	12%	688,176 therms	10%
Avista	76,264 therms	443,141 therms	17%	527,675 therms	14%
NW Natural for Washington	48,300 therms	281,908 therms	17%	371,000 therms	13%

F. Total organization renewable energy generation by utility

	Q1 generation aMW	Annual goal aMW	Percent achieved YTD
Portland General Electric	1.02	3.18	32%
Pacific Power	0.55	2.24	25%
Total	1.57	5.42	29%