# 2015-2019 Strategic Plan Dashboard—Year 3

May 17-18, 2018

This dashboard provides highlights and progress indicators on achievement to the 2015-2019 Strategic Plan goals and strategies. This is not a complete report of all activities. Refer to quarterly reports and annual reports for more information.

## AT A GLANCE

Status indicates by year if the goal or strategy is on track (green), off track (red) or out of Energy Trust’s control (gray)

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<td>Renewable energy generation of 10 aMW</td>
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<th>VI. STAFF ENGAGEMENT p. 16</th>
<th>Status</th>
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<td>Culture of highly engaged staff</td>
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I. ENERGY GOALS (through 2017)

- Achieved 74% of the electric efficiency five-year goal of 240 aMW
- Achieved 83% of the gas efficiency five-year goal of 24 million annual therms (MMTh)
- Achieved 110% of the renewable energy generation five-year goal of 10 aMW

Chart A: Electric Efficiency Strategic Plan Goal to Actual Cumulative and Projected Savings

Note: Avista savings are reflected in achieved savings for 2016 and going forward; the OPUC direction to serve Avista customers was not determined until spring 2016 and therefore not incorporated in the five-year goals.

Chart B: Gas Efficiency Strategic Plan Goal to Actual Cumulative and Projected Savings

1 This report includes the best available energy data; energy savings reported for periods prior to January 1, 2017, may be different than previously reported due to true up and more up-to-date forecasts.
Chart C: Renewable Energy Strategic Plan Goal to Actual Cumulative and Projected Generation

Note: 2016 and 2017 generation sources are nearly all Solar with less than 1 percent from hydropower.

Discussion Points

- Current pace of savings acquisition is trending higher than forecasted; however, current factors influencing this trend are not expected to continue at the current pace over the next two years.
- Generation figures are also trending higher than the strategic plan forecast. Energy Trust exceeded the five-year Strategic Plan goal for renewable generation in 2017.

Energy Goals Background

- The electric savings goal reflects the savings projections from the 2014-2015 budget planning process, individual utility Integrated Resource Plan (IRP) savings targets for 2016-2019, and adjustments to annual savings totals based on the projected contributions from emerging efficiency resources, new sources of savings and >1 aMW customers.
- The natural gas savings goal reflects the savings projections from the 2014-2015 budget planning process, individual utility IRP savings targets for 2016-2019, and adjustments to the annual savings totals from emerging efficiency resources and new sources of savings.
- The renewable energy generation goal reflects the generation projections and pipeline from the 2015-2016 budget planning process extrapolated forward through 2019, including adjustments for incentive demand due to changes in federal level support, state level support and market forces.
II. EMERGING EFFICIENCY RESOURCES

Replenishing electric and natural gas efficiency resources occurs with the development of emerging technologies that are part of market transformation activities at NEEA and separately at Energy Trust. Technologies that successfully move through the development pipeline are new energy savings resource opportunities for programs.

See the 2015-2019 Emerging Efficiency Resources Dashboard for an overview of Energy Trust and NEEA electric and natural gas market transformation activities, including the status of technology development by pipeline stages.

Energy Trust’s emerging efficiency resources progress includes two technologies ready for program design in 2017: advanced power strips (tier 1) and Nest thermostats. These are in addition to Path to Net Zero added in 2016. No pilots moved into program design for 2018.
III. EXPAND CUSTOMER PARTICIPATION

A 2015-2019 Strategic Plan strategy is to “expand customer participation.” Strategies to expand participation include activities related to market research and evaluation, and program design and execution. These activities are reported here.

Expanding customer participation includes efforts within Energy Trust’s Diversity, Equity and Inclusion Initiative in 2017. Energy Trust needs to effectively engage Oregon’s diverse residents and businesses to fulfill the purpose of delivering cost-effective energy efficiency and small-scale renewable energy. As mentioned below, staff developed a Diversity, Equity and Inclusion Operations Plan to understand if gaps exist in serving all customers, and to achieve energy efficiency and renewable energy program participation outcomes across a broad range of customer characteristics, including communities of color, rural communities, and people with low and moderate incomes in all areas of programs and operations. The Diversity, Equity and Inclusion Operations Plan will help the organization learn, innovate, implement new approaches that expand participation, and evaluate programs to ensure effective delivery of benefits to utility customers through energy efficiency and renewable energy.

A. Market Research and Evaluation Progress Indicators

<table>
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<tr>
<th>Market Research and Evaluation Progress Indicators</th>
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<tr>
<td>Study and determine if there are gaps and opportunities to expand participation</td>
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<tr>
<td>• Residential customer insights survey</td>
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<td>o In 2017, Energy Trust conducted a phone survey of residential participants and non-participants to learn about demographics, motivations and barriers. Compared to non-participants, participants were more likely to be homeowners, older, employed and more educated, and less likely to be lower-income (under $50,000), have a very high income (over $200,000) and be non-white.</td>
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<tr>
<td>• Focus groups with customers</td>
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<td>o In 2017, Energy Trust conducted focus groups with Hispanic and Asian small business owners and decisions makers, older adults, moderate-income homeowners and renters with high school diplomas. Focus groups revealed priorities of these market segments that will guide future program planning and marketing efforts.</td>
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<tr>
<td>• Residential participation data analysis using external data overlay</td>
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<td>o Data analysis indicated that participation rates increase as income increases. Results indicated a participation gap for customers making less than $75,000. Results also indicated participants are more likely to have a bachelor’s degree.</td>
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<tr>
<td>• Business participation analysis</td>
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<td>o In 2017, staff analyzed business participation rates by county and found that there is significant opportunity outside of the Portland Metro region, particularly in Linn and Benton counties.</td>
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<tr>
<td>If gaps or opportunities are identified, develop an action plan that includes engagement and goals</td>
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<td>• In 2017, staff developed a Diversity, Equity and Inclusion Operations Plan and presented it to the board of directors in December 2017. The plan includes 10 goals to achieve energy efficiency and renewable energy participation outcomes across a broad range of customer characteristics, including communities of color, rural communities, and people with low and moderate incomes in all areas of</td>
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B. Program Design and Execution Progress Indicators

Achievement to the first three progress indicators was determined by collecting program and operations activities and strategies completed in 2017 and planned for 2018. See Appendix 1.

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**New Customers and Markets**

- Itemize new initiatives to reach new and underserved markets
- Itemize expanded initiatives to reach new and underserved markets
- Itemize continued initiatives that are meeting savings and generation goals
- Evaluate initiatives and report back to the committee

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2 Originally termed “difficult-to-reach” and changed after regional industry conversations identified the preferred term as “underserved”
IV. KEY PROCESSES

The 2015-2019 Strategic Plan strategies to “continuously improve program delivery efficiencies,” “continuously improve internal operations” and “strengthen operational effectiveness” were informed by the 2014 Management Review recommendation to continue internal process improvements and set three to four administratively focused productivity metrics. These recommendations build on Energy Trust’s culture of continuous improvement.3

In 2015, four key processes were identified to be tracked by the Board Strategic Planning Committee. Three of the processes were benchmarked using baseline measurement techniques learned from Coraggio Group. While the fourth did not go through benchmarking due to staffing constraints, incremental improvements were made. Through this work, staff and the board determined at the 2016 strategic workshop that measuring against identified baselines would continue only when significant value4 was anticipated, and staff was directed to continue to identify process improvement opportunities in other areas, reporting out on significant process improvements in the Strategic Plan Dashboard.

In 2016, staff continued process improvement activities related to the four key processes originally identified. In addition, ongoing improvements were embedded in program planning, design and evaluation. Finally, in his three-month assessment of the organization, Executive Director Michael Colgrove identified four improvement areas to be explored by staff in 2017.

- **Internal Procurement and Payment (Key Process Initiated in 2015)**
  - **Progress**
    - In 2017, worked with one vendor to determine functional requirements and develop a paper prototype of the major functionality.
    - Placed project on hold due to staffing constraints.
  - **Next Steps**
    - Revitalize the project mid-2018, with first phase of implementation scheduled for Q2 2019.

- **Incentive Processing (Key Process Initiated in 2015)**
  - **Progress**
    - Determine detailed requirements for improving the process for reversing incentive payments made in error (reversals). Moved the associated tracking and reporting of reversals into core data systems.
  - **Next Steps**
    - Implement and deploy the improved reversals process in 2018.
    - Implement small improvements to the existing W-9 management process in 2018. Staff will also determine requirements and scoping in 2018 for a larger W-9 management improvement project to be implemented in 2019.

- **Customer Services and Customer Information (Key Process Initiated in 2015)**
  - **Progress**
    - Brought the Energy Trust website into compliance with top tier Web Content Accessibility Guidelines, optimizing the browsing experience for

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3 Energy Trust’s culture of continuous improvement is exemplified by the embedded functions of Planning and Evaluation to support program design; process improvement activities that occur regularly at both Energy Trust, and with PMCs and PDCs; and ongoing customer Fast Feedback surveys, process and impact evaluations, and quarterly and annual reports to the OPUC and board

4 For example, significantly shortened processing times, efficiencies or improved quality
individuals with and without disabilities by making the user interface simpler and easier to read and navigate on a variety of devices.

- Increased staff available to answer the Spanish phone line, decreasing the abandoned call rate for Spanish-speaking customers from 6.9 percent in 2016 to 3.2 percent in 2017.
- Decided not to apply the residential phone service baseline measurements to other programs, as existing service level agreements, customer experience training, complaint management training and regular call scoring sessions help ensure effective customer service delivery.
- Interviewed internal and PMC staff to determine requirements for improving the Find a Contractor search feature on Energy Trust’s website. Hired Research into Action to complete customer-focused market research, highlighting opportunities to improve tool functionality and enhance user experience.

**Next Steps**

- Monitor the Spanish phone line and explore staffing models to build in additional overflow support to reduce call abandoned rate to a goal of less than 1 percent.
- Launch the redesigned Find a Contractor tool in 2018, which will include more search options, an easier way to search by company name, a streamlined results page with the option to apply additional search filters, clearer prompts, access to features and explanations of star ratings (for applicable programs).

#### Energy Project Tracking (Key Process Initiated in 2015)

**Progress**

- Completed systems enhancements to the Project Tracking (PT) system and the Customer Relationship Management (CRM) system based on business prioritization to improve the user interface and simplify work processes.
- Improved tracking and reporting for processing residential projects. This increased visibility helped inform program design changes, leading to a reduction in the time it takes to provide incentive checks to customers.

**Next Steps**

- Continue with planned process and system improvements.
- In Q1 2018, kicked off project to simplify internal process for correcting and reversing project incentives, and incorporate process into PT.
- Launch the newest platform for the Power Clerk system for managing solar projects and incentives. The new platform will integrate better with Energy Trust’s other data systems to improve data quality and reporting.

#### Organizational Review (2016 Exec. Dir. Improvement Area)

**Progress**

- Initiated this multi-year project in spring 2017 to ensure Energy Trust readiness for a dynamic clean energy future.
- Kicked off phase one in Q2 2017, which included a review of Energy Trust’s organizational structure and processes to identify and recommend potential changes. A five-member staff team conducted research, completed organizational assessment questions, interviewed internal and external stakeholders, and completed the first draft of a report with preliminary recommendations.
In early 2018, the team presented preliminary recommendations to Management Team and gathered additional feedback from staff.

Next Steps
In Q2 2018, the team will present revised recommendations to Management Team and the Board of Directors for consideration. A schedule for phase two of the project, focused on implementation, will then be determined.

Lean Startup Customer Development (2016 Exec. Dir. Improvement Area)

Progress
This multi-year project kicked off in spring 2017 and started by training two teams of staff over four months on Lean Startup methodology. The objective is to learn new techniques to understand their applicability to Energy Trust program offer design, delivery and evaluation.

In Q2 and Q3 2017, staff piloted this new program development model to explore potential future offerings for moderate-income customers and for energy education in K-12 schools. Staff conducted research and customer interviews, developed and tested potential offerings, and presented findings to staff and the board.

Next Steps
Results of the K-12 energy education Lean Startup pilot project led to a small field test of a new energy curriculum and kit for teachers and students. This will be evaluated in 2018 to inform potential educational offerings in 2019.

In early 2018, staff kicked off two additional Lean Startup pilot projects to explore new offerings for multifamily renters and small- to medium-sized commercial businesses.

Budget Process Re-assessment (2016 Exec. Dir. Improvement Area)

Progress
In early 2017, Management Team assigned a cross-organizational project team to identify an alternative budget process that is more efficient, effective and flexible than the current process. The team interviewed internal and external stakeholders to identify challenges and opportunities for improvements.

In late 2017, the team identified a set of recommendations and began to engage internal and external stakeholders in early 2018, including OPUC staff, to invite feedback. These recommendations will evolve as stakeholders provide input.

Next Steps
In 2018, the team will respond to feedback and questions from the OPUC, and will incorporate changes into the proposed budget recommendations.

In Q2 2018, the project team will present recommendations to the board of directors, utilities and advisory councils for review and feedback.

Short-term improvements will be incorporated in the 2019-2020 budget cycle, and the full set of final recommendations could be implemented as early as 2019 for the 2020-2021 budget cycle.

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This Lean Startup model promotes an iterative process for continuously improving program design while working to eliminate waste (e.g., time, a product that doesn’t meet customer needs).
Data and Tracking Systems Enhancements (2016 Exec. Dir. Improvement Area)

- **Progress**
  - This ongoing effort uses short-term projects to support improving the security and utility of Energy Trust data and tracking systems by streamlining processes; improving data storage, analysis and reporting; and enhancing existing systems with new functionality and flexibility.
  - Completed development of stakeholder relationship tracking capabilities in the CRM system. Launched beta solution and trained early adopters in Q1 2018.
  - Completed internal data outreach project to engage staff and PMCs in identifying data system, analysis and reporting improvements.
  - Redesigned measure tracking in PT to accommodate distinct measure versions, which will simplify processes for reporting and making annual measure changes.

- **Next Steps**
  - By Q2 2018, deploy stakeholder relationship tracking capabilities to all Energy Trust staff regularly engaged in stakeholder relationships.
  - By Q2 2018, determine requirements for project forecasting changes in PT.
  - By Q4 2018, move to electronic tracking of measure approval documents. This is currently a time-intensive paper-based process.
  - By the end of 2019, implement recommended improvements from the internal data outreach project.
V. NEW OPPORTUNITIES

A. Complementary Initiatives with Government, Utilities and Others

Staff engage with organizations that have complementary initiatives and goals. Activities can range from significant and game-changing to smaller scale. Staff continue to explore opportunities beyond this list.

Irrigation modernization
- Irrigation system assessments continued at 16 districts through the irrigation modernization initiative with Farmers Conservation Alliance. The program is now serving approximately 50 percent of all irrigated agriculture in Oregon. Assessments identify comprehensive system improvements to generate hydropower, reduce energy and water use, and improve drought resilience.
- In 2017, Energy Trust dedicated incentives for two small hydropower projects resulting from irrigation modernization assessments. Four districts began participating in 2017 and an additional two to six districts are expected to join in 2018.

Water savings through water metering
- Worked with the Portland Water Bureau to pilot support to property owners for installing tenant water sub-meters to encourage water savings and corresponding energy savings. The pilot launched in 2017, and will be discontinued in Q2 2018 due to low market demand and limited contractors to deliver products and submetering billing services. Staff continued to collaborate with Portland Water Bureau to explore water- and energy-savings opportunities in multifamily and commercial buildings.

Wood heat conversions
- In Lake and Klamath counties, Energy Trust worked with local governments, community organizations and utilities to market program offerings and drive installations of electric ductless heat pumps and efficient gas hearths and furnaces.
- Continued coordination with Washington County to help residents replace wood stoves and leverage Energy Trust incentives to support installations of electric ductless heat pumps or efficient gas heating equipment (hearth or furnaces) to improve air quality. To date, the county has completed more than 200 projects, many of which are full-cost replacements supported by Washington County Community Action Agency and therefore have not been eligible for Energy Trust incentives.

Federal loan repayment and manufactured housing
- In 2017, staff designed and launched a pilot to quantify and monitor the impact of retiring aging manufactured homes and replacing them with code-exceeding energy-efficient new manufactured homes. Through the pilot, staff aim to build partnerships and establish a replicable model that integrates energy efficiency, poverty alleviation and affordable housing investments. Over a two-year period from 2017 to 2019, Energy Trust intends to retire and replace 20 to 40 manufactured homes.
Low- and moderate-income solar
- Continued efforts to expand the benefits of solar generation to low- and moderate-income customers, in collaboration with Clean Energy States Alliance and the U.S. Department of Energy’s SunShot program. In collaboration with ODOE, staff created a stakeholder work group that met nine times in 2017, comprised of nonprofits, agency staff and utilities. Community workshops were held in early 2017 with 140 participants. Staff developed a set of draft strategies that will be finalized in Q2 2018 with implementation set for Q3 2018.

Local government building efficiency policies
- Provided technical assistance to local governments and customers participating in building efficiency policies, including the City of Portland’s commercial building energy disclosure policy (2015) and Home Energy Score Ordinance (2016, 2017), Oregon Department of Energy’s HB 2801 home energy performance scoring rulemaking, the Multnomah County Property Fit initiative (2015, formerly the Commercial Property Assessed Clean Energy program), and the City of Hillsboro’s sustainability goals for new home development.
- Supported community energy planning and initiatives in four rural communities through a collaboration with Sustainable Northwest, making Energy Trust program information available and supporting community-based Resource Assistance for Rural Environments (RARE) interns. Hood River County adopted an Energy Plan in early 2018, which will guide the county’s future approach to energy efficiency and renewable energy, and Talent, Oregon passed one in 2017.

Carbon reduction
- In 2016, initial discussions with Energy Trust and NW Natural indicated potential for collaborating on SB 844-compliant energy efficiency projects.
- In 2017, Energy Trust discussed offering consulting services to NW Natural.
- In 2018, Energy Trust is working with NW Natural to develop a large boiler replacement offering that would leverage SB 844 funding to move a market that is resistant to move solely on energy efficiency replacement incentives.

Solar plus storage
- Customer adoption of solar plus storage grew substantially in 2017, with 85 solar applications including batteries. This was up from 14 applications with batteries in 2016 and four in 2015.
- Staff joined a team exploring the use of solar plus storage for community resiliency at Rocky Mountain Institute’s Electricity Innovation Lab Accelerator, an invitation-only event that brings together energy innovators from around North America. The team was led by the City of Portland and included staff from Multnomah County, PGE and Pacific Power. Both utilities incorporated findings from the working group in energy storage procurement proposals submitted to the OPUC in late 2017 (dockets UM 1751, UM 1856 and UM 1857).

High-strength organic waste evaluation in the Mid-Columbia region
- Supported a study of the potential to generate biogas from high-strength organic waste for the Mid-Columbia region, in collaboration with the City of The Dalles, the City of Hood River and the Bonneville Environmental Foundation. The study quantified organic materials that could be used in anaerobic digesters at existing wastewater treatment plants, and found that there is sufficient waste for one
biopower project in the region. In 2018, one of the cities may move forward with a biopower project.

B. Response to Policy Initiatives

Renewable energy dockets at the OPUC
- Contributed expertise and data to four OPUC proceedings: rulemaking and implementation workshops for the Community Solar program that is targeting launch by the end of 2018 (AR 603 and UM 1930); workshops for the docket to develop guidelines for the solicitation and procurement of energy storage systems by the utilities which is expected to conclude by 2020 (UM 1751, UM 1856 and UM 1857); meetings for the docket that concluded in November 2017 examining the use of both ratepayer funds and voluntary renewable energy funds in renewable project funding (UM 1020); and the Resource Value of Solar dockets investigating the value that a solar resource provides to a utility system (UM 1716, UM 1910, UM 1911 and UM 1912).

Transportation electrification programs
- Drafted a board learning topic paper and made a presentation to the board titled “Electric and Advanced Mobility” to educate the board on the current state of electric vehicles and other emerging transportation technologies. Transportation is the second largest source of energy use and greenhouse gas emissions in Oregon, and the industry is undergoing dramatic transformations that could deliver significant energy savings and carbon reduction.
- At the direction of the OPUC, Energy Trust did not pursue a research project identified in 2016 to determine whether there may be opportunities for Energy Trust to provide incentives for more efficient electric vehicles and more efficient electric vehicle chargers.

Department of Environmental Quality market-based carbon reduction mechanisms
- In 2016, the Oregon Legislature directed Oregon Department of Environmental Quality to study market-based cap-and-trade options to reduce greenhouse gas emissions. Energy Trust participated in DEQ workgroup meetings.
- In 2018, the Legislature considered cap-and-invest bills but did not adopt legislation. Instead, legislative leaders appointed a Joint Committee on Carbon to analyze cap-and-invest proposals for consideration in 2019. Energy Trust will monitor those proceedings.

Oregon legislation
- Monitored proposed 2018 legislation with the potential to affect Energy Trust programs and ability to continue acquiring efficiency and renewable resources for utility customers.
- Responded to data requests from legislators and advocates relating to energy legislation.
- Moving forward, Energy Trust will monitor and participate (if invited) in work convened by the new Joint Committee on Carbon Reduction as well as the state’s new Carbon Policy office. Both were created near the end of the 2018 legislative session.
Environmental Protection Agency Clean Power Plan
- In October 2017, the EPA proposed a process to withdraw the Clean Power Plan and replace it with a different proposal. Comments on the proposal were due in April 2018. The process proposed in October 2017 was expected to take at least two years to complete, not including any litigation.

Oregon Residential Energy Tax Credits
- The Residential Energy Tax Credit expired at the end of 2017. During the 2017 state legislative session, bills were proposed to extend RETC past the 2017 sunset, and Energy Trust provided information to the legislature to quantify the impacts of the sunset of the RETC.

Senate Bill 978
- SB 978 was passed by the Oregon Legislature in 2017. The bill requires the OPUC to establish a public process to investigate how developing industry trends, technologies and policy drivers may impact the existing electricity regulatory system. The commission is also required to investigate the obligations of and benefits to electric companies and customers under the existing regulatory system. The commission is required to submit a report on the findings of the public process to the Legislature no later than September 15, 2018. Energy Trust will monitor and participate (if invited).

C. Load and Demand Management with Utilities (includes demand response)6

Reporting to OPUC
- Submitted a summary of demand management activity to the OPUC as an appendix to Energy Trust’s 2017 Annual Report, including information about the value of current program impacts, data and tools needed to link utility grid objectives to specific Energy Trust actions, and possible complementary pilots to be developed in coordination with utilities.
- Through this demand management appendix to the 2017 Annual Report, Energy Trust reported the estimated 2017 contributions from electric and gas savings and solar generation to demand reductions on utility systems.
- Energy Trust estimated peak demand reduction from electric and gas energy-efficiency projects by calculating the fraction of the annual energy saved during peak times identified by the utilities. Energy Trust uses load profiles taken from the Northwest Power and Conservation Council’s Seventh Power Plan to estimate this value for each end use, which is then applied to a measure as determined by engineering review.
- Energy Trust estimated average generation from installed solar projects during peak hours by using monthly generation profiles for representative project types based on variation caused by tilt, orientation and geographic location.

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6 Load management is the process of structuring and/or scheduling the use of energy among a group of customers to best match demand to available supplies. It includes a variety of strategies that either reduce the demand for energy at peak times or shift the energy use to periods of lower demand. Demand response is a load management strategy that reduces electricity consumption by end-use customers from their normal pattern of consumption during times of peak energy use, when wholesale electricity prices are high and/or when system reliability is jeopardized. Customers are often compensated for participating in demand response programs.
### Ongoing activities

- In 2017, collaborated with Pacific Power and NW Natural to design and implement locational load management (formerly referred to as targeted demand-side management) pilots to test how Energy Trust’s energy-efficiency and renewable energy offerings could be deployed in constrained locations to reduce energy use during peak hours and possibly defer traditional system investments.
- Began working with Kevala Analytics in 2017 to study potential areas where local load reduction efforts could contribute to reducing local electric utility load constraints. Work was supported by a U.S. Department of Energy grant.
- In 2017, supported enrollment of customers with Nest thermostats in PGE’s Rush Hour Rewards program through a $25 bonus incentive.
- Planned to collaborate with PGE in 2018 on a pilot to explore the effectiveness of Whisker Labs set point automation of Ecobee and Honeywell smart thermostats. 
- Completed evaluation for phase one of Nest Seasonal Savings pilot, and began planning for phase 2.

### VI. STAFF ENGAGEMENT

One outcome of the annual Staff Engagement Survey is an assessment of employee engagement. Staff responses to survey statements were categorized as “engaged” when staff indicated “agreement” or “strong agreement” with a statement.

Energy Trust’s ranking in the Oregon Business magazine 100 Best survey is another indicator of employee engagement, as the rankings are determined by employee responses to a survey about workplace culture, sustainability, benefits and other key indicators of engagement.

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<th>Source</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
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<tbody>
<tr>
<td>Staff Engagement Survey</td>
<td>3/4 of statements with 75% or more agreeing</td>
<td>3/4 of statements with 75% or more agreeing</td>
<td>3/4 of statements with 75% or more agreeing</td>
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<tr>
<td>Oregon Business Survey</td>
<td>7th of 100</td>
<td>5th of 100</td>
<td>6th of 100</td>
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**Indicator** Engaged Engaged Engaged

**Background:**
- The Strategic Plan calls for Energy Trust to “sustain a culture of highly engaged staff.” When the strategic plan was developed, a definition of “highly engaged” was not formulated. Without such a definition, staff determines “engaged” when results from the staff engagement survey and Oregon Business rankings indicate positive reviews across the majority of survey questions. For these reasons, it is believed Energy Trust is achieving these objectives despite a small decline in the number of staff that agreed with three-quarters of statements.
- While a 2017 Gallup “State of the American Workplace” report found 33 percent of U.S. employees are engaged at work, industry and national data are best referenced for their broad contextual findings and not as a benchmark against which to compare Energy Trust staff engagement. Still, when compared to national averages, Energy Trust staff are highly engaged.
APPENDIX 1: Expand Customer Participation Program Activities Inventory

This appendix provides information for the Expand Customer Participation: Program Design and Execution Progress Indicators. Energy Trust staff identified in annual budget actions plans to reach new customer segments or new markets in support of the Strategic Plan goal to expand customer participation.

Additional activities occur or are being explored by programs and support groups beyond the direct customer or market engagement activities listed here (e.g., contracting and procurement changes). The Diversity, Equity and Inclusion Initiative is organizing these longer-term strategies, and will help identify new initiatives for programs to pursue in the coming years.

Progress Indicator 1: New initiatives in 2018 to reach new and underserved markets

- Refine program design and outreach strategies by incorporating lessons learned from market analysis and data-driven program outreach.
- Conduct research to identify opportunities to increase participation in specific market sectors.
- Contract with community-based organizations to ensure residential offers and promotions engage underserved communities. Contracted activities may include advising PMCs on best practices to engage customers and/or delivery of services.
- Add New Buildings Market Solutions offering for public sector facilities and low-income multifamily buildings, including features that help overcome barriers faced by nonprofit developers building affordable housing.
- Solicit input from stakeholders on proposed strategies for increasing solar adoption in low- and moderate-income communities. With support from a U.S. Department of Energy grant, collaborate with the Clean Energy States Alliance and six other states to identify and prioritize strategies to increase access to solar for low- and moderate-income communities.
- Design and test a solar incentive offer for moderate-income customers in owner-occupied, single-family homes.
- Evaluate tools for measuring baseline adoption of solar by customer demographic and identify opportunities for increased access.

Progress Indicator 2: Expanded initiatives from prior years to reach new and underserved markets

- Establish partnerships and collaboration protocols with low-income stakeholders that leverage Energy Trust’s market engagement to support greater efficiency with lower-income customers.
- Develop and deepen relationships with organizations that reach and serve diverse communities and customer groups.
- Analyze market and program participation data to identify key areas of opportunity, and refine marketing based on market segment and region.
- Develop outreach tactics for customer groups with lower participation rates, such as customers outside of the Portland Metro area.
- Increase trade-ally driven program activity through enhanced trade ally support, one-on-one engagement and educational resources, and encouraging business development funds.
Dedicate outreach and contractor recruitment resources to promote participation of minority- and women-owned businesses in Energy Trust’s Trade Ally Network.

Provide rural outreach and services to farmers, irrigators and their vendors, including collaborating with other agencies and nonprofits.

Expand the delivery of energy-efficiency workshops for multifamily customers, presenting relevant information based on market segment and region.

Maintain Savings Within Reach incentives for moderate-income homeowners to reduce the up-front cost of energy upgrade projects. Incentives are paid to the trade ally and passed onto customers through lower up-front project costs.

Coordinate with Oregon Housing and Community Services, Community Action Partnership of Oregon and agencies serving low-income populations to develop energy-saving strategies.

Use Energy Saver Kits as a customer engagement tool. Customers can order Energy Saver Kits from Energy Trust’s website at no cost, including energy-saving LEDs, showerheads and faucet aerators.

Expand Existing Multifamily participation in market segments and regions where participation has historically been low, using market and program participation data analysis, customized marketing and outreach strategies, and education events for property managers.

Explore community outreach activities, particularly in rural markets, to reach small multifamily property owners, a typically low-participating customer group.

Promote common-area lighting solutions to gain additional Existing Multifamily electric savings, with emphasis on smaller multifamily properties.

Continue direct installation of efficient lighting to serve small business customers throughout the state and support equitable access to program opportunities.

Deliver industrial SEM Continuation cohorts in Southern Oregon, Central Oregon, Willamette Valley and Portland and launch two year-one cohorts.

Improve service delivery to Existing Buildings customers that have not yet participated, including by targeting geographic regions, market sectors and participant diversity.

Work with the cities of Hillsboro, Beaverton and others to advance opportunities for energy efficiency in new housing developments prior to the building permitting process. Deliver training and support to real estate industry actors.

Expand participation in the Irrigation Modernization initiative to meet increasing interest and market uptake.

Join at least one U.S. Department of Energy proposal to increase solar deployment among low- to moderate-income groups.

Continue New Buildings regional outreach and delivery model with personnel based in Eastern Oregon, Southern Oregon and the Portland Metro area. Emphasize diversity and inclusion of all customer types in program offers, outreach, training and education.

Expand availability of residential water heater and gas hearth incentives at retail locations.

Progress Indicator 3: Continued initiatives from prior years that are meeting savings and generation goals

Pursue plans for small, rural wastewater treatment plants to reach net-zero energy use through solar and/or anaerobic digestion.

Build participation among minority- and women-owned businesses and emerging small business owners by engaging with minority chambers and associations, such as Oregon Association of Minority Entrepreneurs, Women in Construction and Commercial Real Estate Women.
- Coordinate and provide technical assistance to the City of Portland for its ordinance regarding home energy scoring.
- Support the two-year Commercial Property Assessed Clean Energy financing pilot through Multnomah County and the City of Portland.
- Participate in commercial construction industry events focused on the minority business community.
- Grow participating small and independent retailers, increasing program presence in communities outside the Portland Metro area.
- Develop a pipeline of new Existing Homes savings opportunities. Potential opportunities include proper heat pump sizing and controls, web-enabled thermostats and ceiling insulation in hard-to-reach markets.
- Drive outreach efforts to recruit new home builders, focusing on regions with historically low participation and using home builders associations and regional staff as outreach channels.
- Email Existing Buildings customers when bilingual representatives are available to help.
- Support Spanish-speakers in filling out Existing Buildings forms.
- Have Existing Multifamily bilingual staff.
- Staff residential events where Spanish speakers are expected to attend with a Spanish-speaking staff member.
- Provide food banks and community action agencies with a Spanish client intake form for Carry Home Savings kits.
- Provide trainings in Spanish for residential builders and sub-contractors.
- Translate Existing Multifamily customer handouts in Spanish.
- Translate select residential web pages in Spanish, including Savings Within Reach and Appliances.
- Maintain an Existing Buildings call center real-time translation services contract.
- Hold trade ally workshops in smaller markets to engage small businesses.
- Continue conducting targeted outreach throughout the state.
- Continue having PMC outreach staff across the state supporting multiple residential programs, through engagement with consumers as well as contractors, builders and verifiers.
- Include geographic, gender, ethnicity and racial diversity, and various sizes of businesses, in outreach, marketing and website materials.
- Continue initiative to lower the soft costs of solar to make it more accessible to all groups.
- Work with housing authorities and community housing groups to reach rural and low-income multifamily properties.
- Work with Habitat for Humanity as a residential trade ally builder.
- Support student homebuilders in Hermiston, reaching an underserved part of the state.
- Collaborate with utilities to include an email distribution offering a limited-time online purchase of products (lighting and showerheads).
- Develop industrial Strategic Energy Management curriculum and materials for people of all backgrounds, utilizing icons and relatable vocabulary.
- Focus program design, delivery and outreach on statewide participation (urban and rural) and participation by all sizes of Production Efficiency businesses.
- Include in PMC contracts the requirement for PMCs to reach and serve diverse customers and contractors.