Sustainability Report

2018 Update
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Preface

Sustainability is at the core of the Department of Forestry (ODF) and is executed throughout our four primary businesses. ODF provides fire protection for 16 million acres of forestland statewide, manages 800,000 of state-owned forestlands, implements the Forest Practices Act to ensure environmental stewardship while producing wood products on private and county-owned working forests, and partners with federal land managers to increase the pace, scale and quality of restoration on federal lands.

ODF Mission

“To serve the people of Oregon by protecting, managing, and promoting stewardship of Oregon’s forests to enhance environmental, economic, and community sustainability.”

Policy and direction for ODF is set by the Legislature and Board of Forestry which defines forest sustainability as:

“Forest resources across the landscape are used, developed, and protected at a rate and in a manner that enables people to meet their current environmental, economic, and social needs, and also provides that future generations can meet their own needs [ORS 184.421].”

Sustainability is carried out in ODF’s day to day implementation of policies and programs that promote sustainable management of Oregon’s public and private forests. This 2018 update to our 2016 Sustainability Plan\(^1\) encompasses both our mission of sustainability in forest management and in the activities and policies that guide the operation of our facilities. In our 2016 Plan, ODF identified four short-term and four long-term goals. The sections below provide an update on each of those goals and include two additional long-term goals.

Short-Term Goals

1. **Conduct a Fire Program Review**

   The 2016 Fire Program Review Committee recommended focusing on three areas in creating a more sustainable fire program: sustainable funding, organizational resources and structure, and reevaluating certain wildfire policies. We have furthered this work by:

   a. In 2017, we developed a policy option package for continued *coordination with rangeland fire protection associations* to protect the Oregon’s rangeland and preserve habitat for sensitive species like Sage Grouse. We received funding for a full time position to support coordination with the RFPAs and additional funding for equipment and training for the associations.

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\(^1\) ODF 2016 Sustainability Report.  
b. ODF’s 2019-2021 *Agency Request Budget includes an agency-wide policy option package* asking for additional staff across the agency to more sustainably support our fire protection efforts during fire season while maintaining agency workload.

2. **Sustain Water Quality through Forest Practices**
   
a. The Department recently *began two studies testing the effectiveness of riparian rules* to protect water quality and stream habitat. We will bring the results of these studies to the Oregon BOF for them to assess the sufficiency of these rules.
   
b. The Department just *completed a 5-year contract, monitoring the compliance with Forest Practices Act* rules. Overall compliance rates were high.

3. **Increase Water Conservation at ODF Facilities**
   
a. Facilities staff has begun the second phase of a multi-phased *landscape rehabilitation project to replace non-native species with more drought resilient native species* plants and shrubbery. A plan developed by a landscape architect gave direction in achieving balance between sustainability while still maintaining the design spirit of the historical grounds.
   
b. Facilities has *implemented the Department of Energy's Portfolio Manager* to more effectively manage and evaluate ODF’s 400+ building/structures portfolio with respect to water consumption in order to meet or exceed the mandated savings as per the Governor’s recent Drought Executive Order. Challenges still exist during fire season which creates a higher demand on our facilities and resources.
   
c. Facilities is encouraging the *installation of water meters* at numerous field offices that are accessing well water for consumption. Having meters in place where well water is being drawn will help put perspective on actual consumption in lieu of estimated consumption.
   
d. As part of a statewide effort to increase awareness and to garner more support, and to encourage building occupant engagement, the Salem Facilities Unit has *developed a quarterly newsletter (Appendix B)* to provide useful information on how occupants can contribute and be more sustainable with respect to the use of our buildings and operations, but also give them tips and tools that they can use in their private lives also.

4. **Increase Energy Conservation and Sustainable Practices at ODF Facilities**
   
a. Building on the advice from the Sustainability Board in 2016, (see attached Board plan acceptance letter in Appendix B), the Salem Facilities Unit has *formed an Energy Team* that meets regularly to discuss energy savings strategies, and to develop sustainability related content for the quarterly newsletter that is shared with all ODF staff. The long-term objective is to further expand on this Energy Team by developing an agency Green Team that will represent a more overarching and comprehensive sustainability mission beyond just energy and water conservation.
   
b. *Increasing the use of LEDs and de-lamping* existing fixtures if cost-effective and acceptable payback schedules exist.
   
c. The agency has *completed a master plan/space planning study* to evaluate current Salem Campus HQs and the Fire Cache and Motor Pool operations programming functions and needs. The objective is to implement a more sustainable office layout that not only incorporates more sustainable measures such as reducing the use of task
lighting, it will also enhance occupant health and more efficiently facilitate programming needs.
d. The Department has completed a feasibility study on the placement of electric vehicle charging stations at the Salem Main Campus compound, and at the Tillamook Forest Interpretive Center and adjacent Homestead Wayside. The implementation of charging station infrastructure is expected to begin with the Salem HQ Campus in 2019.
e. Through a partnership with DAS, the Department was able to complete facility condition assessments of over 300 of its facilities. The objective of this data collection exercise is to help the Department strategically plan for deferred maintenance and capital improvement and renewal projects; including sustainability upgrades such as external and internal lighting upgrades, adding insulation to building perimeter and floor systems and roof assemblies, and upgrading plumbing fixtures to lower gallons per minute flow rates.
f. The Department was able to secure a policy option package during the 2017 legislative session to relocate the aging Toledo unit office to another location. To reduce costs and promote agency partnerships, ODF is pursuing a co-locate project with ODOT to further realize efficiencies.
g. In 2016 ODF's Facilities Unit has enrolled in the Energy Trust of Oregon’s Strategic Energy Management Program (ETO-SEM) with the Dept. of Corrections, Dept. of Transportation, Oregon Liquor Commission, and the Dept. of Administrative Serves. To date ODF has received $16,000 in incentive monies, due to the implementation of multiple energy efficiency measures. The Salem-Facilities Energy Team has consistently participated in monthly meetings since 2016 with the SEM-ETO group to further enhance technical skillsets.
h. Staff capacity has been added to the Salem-Facilities unit in 2018-20 to assist our field offices with energy conservation upgrades and consultation services with respect to lighting and other energy related building systems.

Long-Term Goals

1. Governor’s Ten-Year Energy Plan
a. Facilities: ODF is in the process of developing a data-driven building portfolio management system that will facilitate long-term strategic capital planning for its facilities statewide. Phase I of this data-driven process, which included the physical assessment of the majority of ODF’s buildings/structures, has been completed. Phase II consists of the implementation of a building asset portfolio software system that will provide the necessary data to develop a long and short term plan to tackle deferred maintenance, capital improvement and renewal needs, capital construction needs, and building system sustainability upgrades.
b. Motor Pool: ODF’s Central Motor Pool Program is an active member of the State’s Fleet Management Advisory Committee (FMAC), where the state owning fleet agencies collaborate and collectively report to DAS and DEQ our efforts in meeting the Governor’s goal of converting 20 percent of the State’s large fleets to alternative fuel vehicles. DAS compiles all the data and submits the report on behalf of all the agencies.

2. Governor’s Green Chemistry Initiative
1. **Facilities**: ODF follows the State’s Sustainability Guidelines for consumable products that are on the state’s Price Agreement Policy for all Janitorial Services.

2. **Motor Pool**: As an active member of the FMAC, we have identified the Governor’s green chemistry initiative on the committee’s work plan and collectively report to DAS our fleet greenhouse gas emissions in response and reporting of the Governor’s Executive Order 06-02. The data is used by the Department of Energy for their response to the Energy Information Administration survey and the Energy Policy Act survey regarding alternative and renewable energy. ODF also continues to **procure equipment that complies with California emission standards**.

3. **Forest Management Plan for State Forests**
   a. ODF owns and manages state forestland and the Board of Forestry oversees these forests to achieve Greatest Permanent Value which requires the forests to provide a range of economic, environmental and social benefits. In coordination with the Board of Forestry, ODF staff are developing a new management plan for State Forests in west Oregon, that improves financial viability and increase conservation outcomes.

   a. The Department and the BOF are currently conducting a rule analysis process to **assess whether specific management guidelines should be developed for the marbled murrelet under the Forest Practices Act**. The marbled murrelet is a small seabird that nests in old, large trees and is listed as threatened under both the federal and state Endangered Species Acts.
   b. The Department and the BOF also **initiated an effectiveness monitoring project in the Siskiyou geographic region**. This project will assess sufficiency of streamside rules to meet desired future conditions, and stream temperature and shade. The assessment is based on scientific literature.

**Additional Goals to 2016 Report**

5. **Landscape Resilience to Reduce Fire Risk**

The third recommendation component of the Fire Program Review addresses forest management policies on both public and private land. Forest management practices can impact fuel conditions that dictate the manner in which wildfire burns across the landscape. Forest management policies enable proactive mitigation of wildfire risk. This includes implementing treatments to reduce buildups of hazardous fuels and increase landscape resilience to wildfire. Treatments include harvesting timber and creating policies and public support for increased use of prescribed burning as a management tool.
In the 2017 legislative session, ODF received permanent funding for the *Federal Forest Restoration Program (FFRP)*. The goals of this program are to increase the pace, scale and quality of restoration on federal forests. FFRP uses state funds to engage with and assist local forest collaboratives to reach agreement on the scope and scale of treatments and to partner with the US Forest Service to increase the pace of project-level planning and implementation. ODF is *utilizing the Good Neighbor Authority* as an extension of this work to bring additional capacity to implement restoration projects.

6. **Climate and Carbon Policy**

ODF is working with the Governor’s Office of Carbon Policy on two workgroups to inform the policy discussion to establish a statewide carbon policy and to identify opportunities for climate adaptation investments in natural and working lands. As part of this work, ODF is partnering with the US Forest Service Research Station to produce an *estimate of carbon storage and flux in Oregon’s forests and in harvested wood products*.

**Internal Practices and Policies**

- To increase awareness and encourage occupant engagement, the Facilities Energy Team has developed a quarterly newsletter that focuses on sustainability. The fall 2018 newsletter will mark the fourth edition released to date.
- Salem-Facilities Unit continues to apply sustainable best management practices when engaging in operations and maintenance and capital improvement/renewal projects. These include: motion sensor lighting throughout the buildings, flexible lighting desk lighting options, and exterior offices utilize natural light from large office windows.
- Encourage the utilization of recycled products when they are available for items ranging from copy paper to pens.
- Printers are set to automatically print documents two-sided to conserve paper and most documents are now scanned or emailed, reducing paper use.
- Staff are encouraged to transfer packages to and/or from Salem to our field offices whenever possible to reduce postage costs.
- ODF continues to offer staff sustainable work options including telecommuting, efficiently designed work schedules, and job-sharing where possible. Many employees participate in ride-sharing options. ODF has its own agency policy on telecommuting and is in alignment with the DAS statewide policy.
- ODF has its own agency policy on Equal Employment Opportunity, Affirmative Action and Diversity as well as agency policy on Principles of Conduct and Working Guidelines to continue to educate and encourage upholding the public trust, expectations of professional workplace conduct and workplace safety.
- ODF participates in several outreach efforts including a variety of in-state and out-of-state career fairs.
• ODF is a sponsor of the 2018 Oregon Annual Diversity Conference.
• The Department continues to support minorities, women, emerging small businesses, disabled service veteran owned businesses, and disadvantaged business enterprises in its procurement practices. The majority of our procurements are globally advertised on the ORPIN system, which is an effective means of notifying the Governor’s Certification Office for Business Inclusion and Diversity (COBID) contractors of our contracting opportunities.

External Practices and Goals
• The Department is working with the Environmental Justice Task Force to integrate Environmental Justice concerns into our agency programs, policy work, and decision making. This involves increasing the engagement of underrepresented communities (minority, lower income, elderly, disabled, etc.) in the areas where the work of the agency could impact their lives. The goal is to assure meaningful participation, equal opportunity for input and equitable outcomes.
• It is the policy of the Department to promote and enhance government-to-government (G2G) relationships with Oregon’s tribes during the development and implementation of programs that may affect tribes. Our intent is to strengthen intergovernmental relations, ensure the capacity to address possible concerns, and enhance the exchange of information and resources. We also are seeking to engage a broad group of the Department’s staff in an effort to build and retain G2G knowledge and resources for the future. We recently created a G2G Workgroup to facilitate the creation of an environment for continued learning, communication, and for strengthening our implementation of the G2G and cultural resource protection procedures.
• Continue to make improvements on our Electronic Notification Systems for administering the Forest Practices Act.
• Continue to support and promote the use of mobile devices for Stewardship Foresters to conduct both forest practices and industrial fire inspections on their mobile devices while in the field further increases efficiencies in FPA administration.
• Initiated the live stream of Board of Forestry meeting to increase accessibility and reduce unnecessary associated travel.
• Provides employment including many seasonal positions in many rural communities across the state through a program with the Department of Corrections.
• The Salem Auto shop continues to utilize recycled oil as its primary heat source reducing energy load across the entire building.
• Wireless Radio Communications program utilizes solar power across the state, where possible to offset the energy load at mountain top communication sites.
• A comprehensive depiction of ODF’s equity, diversity and inclusion practices will continue to be documented on ODF’s Affirmative Action Plan.
• The Department’s mission is to serve the people of Oregon by protecting, managing, and promoting stewardship of Oregon’s forests to enhance environmental, economic, and community sustainability. Toward that end, all of our major programs focus on sustaining the full range of values derived from Oregon’s forests including protection of 16.2 million acres of Oregon’s forestlands, ensuring proper implementation of forest practices, and managing state owned forestland for a broad range of values.
Appendix A

Resource Conservation – Energy

The information below is a summary of energy consumption data entered reported by the Department. Annual building energy use for 2017 is summarized in the tables and graphs below. The graphs show annual building EUI and compare it to national targets for similar-type high performance buildings. These are denoted by the yellow and green lines. The data tracks each building’s energy use (EU), square footage, and EUI.

<table>
<thead>
<tr>
<th>Building Name</th>
<th>2015 Baseline energy use</th>
<th>Total energy use for 2017</th>
<th>Comparison to Baseline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tillamook District Headquarters</td>
<td>8,299.31 Million BTU³</td>
<td>9,523.84 Million BTU³</td>
<td>14.8% increase in energy use compared to baseline¹,²</td>
</tr>
</tbody>
</table>

¹Annual energy use may be affected by various factors including weather variations, changes to operational hours, and occupancy changes, among other factors. The increase in fire during the last three fire seasons have added additional strain to our facilities with respect to increased occupancy and operational hours.

²The overall Forestry Energy Use Index (EUI) for the total energy consumption is low when compared to the typical EUI for similar type buildings in the northwest region, which ranges from 33 to 50 kBtu/ft²/yr for vehicle shop/repair and government buildings respectively. ODF’s aggregate EUI for 2017 is 29.3 kBtu/ft²/yr.

³BTU = British Thermal Unit.
Resource Conservation – Energy, Continued

**National ASHRAE EUI\(^1\) Targets**

The table below contains ODF’s performance compared against typical regional occupancy EUI\(^1\) targets.

<table>
<thead>
<tr>
<th>Space Types</th>
<th>ASHRAE EUI targets</th>
<th>Western 4C(^2)</th>
<th>Eastern 5B(^2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Government office</td>
<td></td>
<td>50</td>
<td>52</td>
</tr>
<tr>
<td>Lab</td>
<td></td>
<td>179</td>
<td>187</td>
</tr>
<tr>
<td>Hospital/Inpatient Health</td>
<td></td>
<td>135</td>
<td>126</td>
</tr>
<tr>
<td>Nursing Home/Assisted Living</td>
<td></td>
<td>84</td>
<td>88</td>
</tr>
<tr>
<td>Vehicle shop/Repair</td>
<td></td>
<td>33</td>
<td>35</td>
</tr>
<tr>
<td>Vehicle storage/maintenance</td>
<td></td>
<td>14</td>
<td>15</td>
</tr>
<tr>
<td>Restaurant/Cafeteria</td>
<td></td>
<td>156</td>
<td>163</td>
</tr>
<tr>
<td>Library</td>
<td></td>
<td>61</td>
<td>64</td>
</tr>
<tr>
<td>Lodging/Public Services (Prison/Incarceration)</td>
<td></td>
<td>93.2(^1)</td>
<td>-</td>
</tr>
<tr>
<td><strong>ODF</strong></td>
<td></td>
<td><strong>Year 2000: 32.6(^2)</strong></td>
<td><strong>Year 2017: 29.3(^2)</strong></td>
</tr>
</tbody>
</table>

\(^{1}\)USDOE Portfolio Manager (CBECs, not ASHRAE target)

\(^{2}\)kBTU/ft\(^2\)/yr.
Resource Conservation – Water

The information below is a summary of water consumption data reported by ODF to the Oregon State Water Resources Department.

1. The data reported reflects totals for water year cycles spanning from October through September.
   b. Water years 2015/16 and 2016/17 are compared to 2014/2015.
2. Data metric totals reflect units in gallons.
3. Data includes essential and non-essential consumption.
4. Further refinement(s) of data is needed to account for the increase in the use of utility resources due to fire events from typical year round business operations - regression analysis.
5. Further investigation is needed to:
   a. Separate water consumption totals from what are deemed essential facilities such as fire operations buildings and structures, and typical administrative buildings.
   b. Account for well water consumption, especially guard stations (designated as essential facilities). An increase in fire activity can abnormally skew the data when compared to typical non-essential use. It is important to emphasize that applying a typical FTE to fixture count estimate is not feasible, nor accurate, due to the inability to account for increases in water use directly tied to fire-fighting applications. The installation of meters is being evaluated - typical challenges include cost(s) and FTE capacity. The Dept. is scoping the use of meters to help facilitate accurate readings of consumption.
6. Percentage increase/decrease in consumption for respective water years compared to the 2014/15 baseline year are listed in the following table:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total (Gal)</td>
<td>14,123,984</td>
<td>13,977,250</td>
<td>14,011,126</td>
</tr>
<tr>
<td>Water Year</td>
<td>2014/15</td>
<td>2015/16</td>
<td>2016/17</td>
</tr>
<tr>
<td>Use Compared to Baseline Water Year 2014/15</td>
<td>0.00%</td>
<td>98.96%</td>
<td>99.20%</td>
</tr>
<tr>
<td>Savings Compared to Baseline Water Year 2014/15</td>
<td>0%</td>
<td>-1.04% (savings)</td>
<td>-0.80% (savings)</td>
</tr>
</tbody>
</table>

7. Salem-Facilities has implemented the Department of Energy’s Portfolio Manager to more effectively manage and evaluate ODF’s 400+ building/structures portfolio with respect to water consumption in order to meet or exceed the mandated 15 percent savings as per the Governor’s recent Drought Executive Order. Challenges still exist with the higher frequency in fires in
recent years, which creates a higher demand on our facilities and resources such as increased use and longer operating hour
### Transportation

<table>
<thead>
<tr>
<th>Metric</th>
<th>Reporting Period</th>
<th>Statewide Totals</th>
<th>Agency Totals</th>
<th>Change from Previous Report</th>
<th>Progress Towards Goal</th>
<th>Statewide Goal Met</th>
<th>Agency Goal Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gallons of fuel used(^1)</td>
<td>Jan-Dec 2017</td>
<td>7,404,423</td>
<td>501,211</td>
<td>-14,493</td>
<td>Alignment with all policy elements: Met/In Process</td>
<td>In process (EO 03-03, 4.a)</td>
<td>No(^2)</td>
</tr>
<tr>
<td>GHG emissions from fuel use (lbs/CO(_2))</td>
<td>Jan-Dec 2017</td>
<td>146,365,317</td>
<td>10,446,254</td>
<td>-443,913</td>
<td>Alignments with all policy elements: Met/In Process</td>
<td>In process (EO 03-03, 4.a &amp; EO 06-02 2.c.iii)</td>
<td>No(^2)</td>
</tr>
</tbody>
</table>

\(^1\)includes biodiesel 2%, biodiesel 5%, biodiesel 20%, CNG, Diesel, E85, & E10.

\(^2\)The Department has and continues to collaborate with DAS and other owning state agencies represented within the State’s Fleet Management Advisory Committee (FMAC) towards meeting the goals as a state. We are committed to purchasing high efficiency Flex Fuel vehicles; however, there are two factors that prevent Forestry from achieving individual agency targets: 1) Infrastructure and Decentralization - Salem DAS is our only source for E85 fuel statewide, the majority of the purchased Flex Fuel Vehicles cannot use E85 due to their remote locations throughout the states; 2) Fire and Forest Management activities are the driving factor of the type of vehicles utilized, mileage, and fuel usage. The 2013, 2014, 2015, 2016 and 2017 fire seasons substantially increased mileage and fuel usage from June thru October. These activities consumed major amounts of fuel and served to rocket the total fuel consumption and GHG outputs.

Since 2014, ODF Motor Pool has again been steadily increasing the share of annual new vehicle purchases with Flex Fuel and Bio Diesel capable vehicles in its replacement cycles. These Flex Fuel & Bio Diesel capable motors are also just now declining in option cost to the point they are almost at the level of standard equipment and justifiable to cost. Over the next few years, we anticipate these alternative fuel motors will become virtually standard equipment in our new vehicles and the infrastructure to procure the fuel will be expanded to our primarily rural locations. This will bring us closer and closer to ultimate compliance.

Currently, the E-85 (Ethanol) fuel needed for ODF Fleet vehicles capable of burning Ethanol is only available at the Salem DAS Fleet Fuel Island, and Sequential Fuels Retail outlet just south of Eugene on I-5. Very few of our ODF Fleet can get this fuel, so unleaded is the only means of fuel available. As outlets for E-85 increase, ODF Fleet will patronize these fueling locations for E-85.

In closing, ODF Fleet is managing its fleet toward the goal of GHG/CO2 reductions, and will have increasing success as more E85 vehicles truly replace the non E 85 vehicles. Toward this, more outlets for E 85 need to enter the retail market as well. Major Wildland Forest Fires are a variable that cannot be predicted or controlled, but can be understood as to their effect. ODF’s primary mission drives our equipment needs and aspect of our Fleet operations into consideration.
Procurement

Report progress and alignment with statewide policies regarding sustainability in procurement and purchasing.

<table>
<thead>
<tr>
<th>Metric</th>
<th>Reporting Period</th>
<th>Statewide Totals</th>
<th>Agency Totals</th>
<th>Change from Previous Report</th>
<th>Progress Towards Goal</th>
<th>Statewide Goal Met</th>
<th>Agency Goal Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sustainable Purchasing: Printer paper</td>
<td>2018</td>
<td>Average % recycled:</td>
<td>% recycled content in purchases: ???</td>
<td>N/A</td>
<td>2020 Goal (100% recycled for paper purchased): %</td>
<td>In process (EO 12-15)</td>
<td>In Process</td>
</tr>
<tr>
<td>Sustainable custodial supplies#</td>
<td>2018</td>
<td>#Agencies in alignment:</td>
<td>Alignment: Yes</td>
<td>N/A</td>
<td>Alignment with all policy elements: Met/In process</td>
<td>In process (EO 12-15, DAS 107-011-010, D.1 &amp; D.2)</td>
<td>Yes</td>
</tr>
<tr>
<td>Green Chemistry*</td>
<td>2018</td>
<td>#Agencies in alignment:</td>
<td>Alignment: Yes</td>
<td>N/A</td>
<td>Alignment with all policy elements: Met/In process</td>
<td>In process (EO 12-15, DAS Policy 107-009-0080, EO 12-05)</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*The Executive Orders and Policies relating to these metrics contain many elements of which vary in requested level of action ("review", incorporate, establish"). The agency has reviewed these elements and reported on current alignment and success as relevant. Further details on alignment and areas needing further development are detailed in the agency Sustainability Plan.
Motor and Equipment Pool

The target is:

- No increase in vehicle emissions using the year 2006 baseline thru 2014
- Reduce to 10% below 2006 levels by 2020
- Reduce to 75% below 2006 levels by 2050

We have not met the target. Compared to a 2006 baseline, GHG emissions were 16.5% for 2017. Annual change in GHG emissions has declined in two subsequent years.

<table>
<thead>
<tr>
<th>Year</th>
<th>Gallons</th>
<th>Total GHG Emissions</th>
<th>Annual Change in Emissions</th>
<th>Annual ±% change in Emissions</th>
<th>Emissions compared to 2006 Baseline</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>505,067</td>
<td>10,454,019</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>2007</td>
<td>507,230</td>
<td>10,541,229</td>
<td>87,210</td>
<td>0.8%</td>
<td>0.8%</td>
</tr>
<tr>
<td>2008</td>
<td>510,425</td>
<td>10,608,646</td>
<td>67,417</td>
<td>0.6%</td>
<td>1.5%</td>
</tr>
<tr>
<td>2009</td>
<td>474,817</td>
<td>9,892,885</td>
<td>(715,761)</td>
<td>-6.7%</td>
<td>-5.4%</td>
</tr>
<tr>
<td>2010</td>
<td>311,761</td>
<td>8,051,833</td>
<td>(1,841,052)</td>
<td>-18.6%</td>
<td>-23.0%</td>
</tr>
<tr>
<td>2011</td>
<td>416,571</td>
<td>10,917,611</td>
<td>2,865,778</td>
<td>35.6%</td>
<td>4.4%</td>
</tr>
<tr>
<td>2012</td>
<td>446,288</td>
<td>11,683,955</td>
<td>766,344</td>
<td>7.0%</td>
<td>11.8%</td>
</tr>
<tr>
<td>2013</td>
<td>482,544</td>
<td>12,631,936</td>
<td>947,981</td>
<td>8.1%</td>
<td>20.8%</td>
</tr>
<tr>
<td>2014</td>
<td>508,913</td>
<td>13,325,412</td>
<td>693,476</td>
<td>5.5%</td>
<td>27.5%</td>
</tr>
<tr>
<td>2015</td>
<td>564,804</td>
<td>14,787,099</td>
<td>1,461,687</td>
<td>11.0%</td>
<td>41.4%</td>
</tr>
<tr>
<td>2016</td>
<td>507,810</td>
<td>13,170,134</td>
<td>(1,616,965)</td>
<td>-10.9%</td>
<td>26.0%</td>
</tr>
<tr>
<td>2017</td>
<td>501,211</td>
<td>12,182,004</td>
<td>(988,130)</td>
<td>-7.5%</td>
<td>16.5%</td>
</tr>
<tr>
<td>Average</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2.3%</td>
</tr>
</tbody>
</table>
Appendix B

Sustainability Awareness - Recognition

Agency Quarterly Newsletters:
Sustainability Awareness – Recognition cont.

Resource Conservation & Sustainability Awareness – Agency Quarterly Newsletters

Statewide Projects and Activities

Currently completing lease details by the renovation of an existing fire camera detection system at a private forest communications site in Central Oregon and northeast Oregon Districts. New work has been requested for lease ESP employee rental housing locations that have been completed, and the annual ESP Firetal rental Housing Report is underway and being prepared for submission by August 1. The draft of the report includes a summary of the overall ESP Firetal rental housing program, including the number of properties, rooms, and units.

Keep It Cool

As the season progresses, it is important to stay cool and enjoy your outdoor activities. If you’re planning to spend time outside, make sure to stay hydrated and protect yourself from the sun. Remember to wear sunscreen and stay hydrated by drinking plenty of water.

Statewide Project Highlight – TFC Pavilion

Construction of the Forest Education Pavilion at the Tillamook Forest Center is nearing completion. As of July 2023, the Pavilion will have many windows to provide views of the forest and will attract many visitors. The Pavilion will be open to the public starting in August.

OES Data

- Outside water use accounts for 40 percent of residential water usage in the summer months.
- Reduce the amount of grass with pet and dog waste by using water-efficient sprinklers or drip irrigation systems.
- Replace lawn with water-efficient species, such as ornamental grasses and native plants.
- Use mulch to retain water around trees, shrubs, and plants.

OES Water Conservation

- Install dual-flush toilets to reduce the amount of water used for liquid waste. Most dual-flush toilets use 1.1 gallons of water for liquid waste and 1.6 gallons for solid waste.
- Fix water leaks in toilets, showers, and faucets. Leaks can waste a lot of water and increase your water bill.
- Replace lawn with grass species that require less water or that are more drought-tolerant.
- Use water-efficient irrigation systems that are designed to conserve water.

Keep an eye on your water usage and try to reduce it wherever possible. This will not only help the environment, but it will also save you money on your water bill.

For more information, visit the Oregon State Fire Marshal’s website or contact your local fire department.
Agency Recognition

ODF is recognized in Oregon Business Magazine’s October 2018 issue due to its 2-year participation in Energy Trust of Oregon’s Strategic Energy Management Program.
May 16, 2016

Doug Decker, Director
Department of Forestry
2600 State St, NE
Salem, OR 97301

Re: Agency Sustainability Plan Presentation

Dear Director Decker,

On May 13, 2016, your agency’s Sustainability Plan was presented to the Oregon Sustainability Board (OSB) by Chris Stewart, Satish Upadhyay, and Peter Daugherty. The OSB was impressed with the presentation and plan. We also appreciated the hospitality for our meeting in your lovely board room and enjoyed meeting members of your executive team at the presentation.

The OSB formally accepts the report, with a suggestion for an expanded role in staff participation. Sustainability is obviously rooted in your core mission, and expanded participation by your staff may be an effective addition to your impressive “bricks and mortar” improvements. The OSB recommends looking for opportunities in your practices and internal operations, such as creating a green team and/or adding sustainability into policies.

In addition, the OSB celebrates that Forestry has re-joined the Interagency Sustainability Coordinators Network and has taken an active role with the new plan. We appreciate the good work of Chris Stewart and Satish Upadhyay in bringing the important voice of your agency back to the table for discussion and to share best practices.

The Board appreciates the time and effort that was put into this plan update by your agency and looks forward to your next plan update in 2018.

Sincerely,

[Signature]

John D. Miller, Chair
Oregon Sustainability Board

cc  Chris Stewart, Sustainability Coordinator
     Satish Upadhyay, Administrative Services Division Chief
     Peter Daugherty, Private Forests Division Chief
     OSB Members
     Governor Kate Brown