Updating the County’s Sustainable Operations Action Plan (SOAP)

WEBINAR 1 OF 2

Office of Energy and Sustainability
# Employee Engagement Process

<table>
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<th>WEBINAR 1 – ‘Progress Review’</th>
<th>WEBINAR 2 – ‘Moving Forward’</th>
<th>SURVEY</th>
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<tr>
<td>• SOAP update timeline</td>
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<td>Provide your input!</td>
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<tr>
<td>• What is the Office of Energy and Sustainability?</td>
<td>• New commitments for County operations</td>
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<tr>
<td>• What is the SOAP?</td>
<td>• Greenhouse gas emissions (GHG) overview for County operations</td>
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<tr>
<td>• SOAP progress report – highlight successes and more action needed</td>
<td>• Proposed SOAP changes</td>
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Provide your input!
## Timeline for SOAP Update

<table>
<thead>
<tr>
<th>TIMELINE</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>Fall 2020 – Winter 2021</td>
<td>Greenhouse gas emissions inventory, data collection, and analysis</td>
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<tr>
<td>Winter 2021</td>
<td>Strategic planning begins</td>
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<td>Winter – Spring 2021</td>
<td>Department and stakeholder engagement, survey, and input sessions</td>
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<td>Spring 2021</td>
<td>Data cohesion and analysis</td>
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<td>Summer 2021</td>
<td>Plan development and issue initial draft</td>
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<tr>
<td>Fall 2021</td>
<td>Department and stakeholder input, revisions, and issue second draft</td>
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<tr>
<td>Fall 2021 – Winter 2022</td>
<td>Final draft issued and adoption process</td>
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Office of Energy & Sustainability - Mission

Snohomish County’s Office of Energy & Sustainability (OES) collaborates with a range of stakeholders to conserve natural resources, facilitate environmental stewardship, and develop innovative solutions that support a healthy and vibrant community.

Visit our website: Office of Energy & Sustainability
Office of Energy & Sustainability – Programs

- Leveraged $640K into >$17M in local energy jobs
- $1.4M in local septic jobs
- $750,000 annually in local weatherization jobs
- Applied for & awarded $534,218 in grant dollars in 2019
What is the SOAP?

- **Sustainable Operations Action Plan**
- Climate action and environmental stewardship for **County government operations**
- Originally developed by County internal Green Team
- Unanimously adopted by County Council on September 3, 2013
- Executive Order 13-48A issued on September 24, 2013
- Update every 5 years
SOAP Structure - Previous

- 7 GOALS
- 24 Objectives
- 43 Strategies

Prioritized Target dates for completion
Resources
Lead department and supporting departments

Implementation Timeline

OBJECTIVES
1A. Establish minimum green building practices for County owned buildings, including new construction and remodels.
1B. Protect human health and the natural environment by minimizing use of toxic and hazardous substances in daily operations and in the design, construction and maintenance of facilities.
1C. Establish green project guidelines for County capital projects where green building standards are not applicable.
1D. Encourage green building practices within the community.

STRATEGIES

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<tr>
<th>Strategies</th>
<th>Target Start &amp; End Dates</th>
<th>Priority</th>
<th>Cost/Time</th>
<th>Lead Dept(s)</th>
<th>Supporting Dept(s)</th>
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<tbody>
<tr>
<td>(i) Assemble an inter-disciplinary team, including industry experts, to develop internal standards for green building design, construction, and capital projects.</td>
<td>Q4 2013 - Q1 2015</td>
<td>High</td>
<td>Medium</td>
<td>OES</td>
<td>Facilities, PW, PDS, Parks, Airport, Finance</td>
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<td>(ii) Review King County’s sustainable infrastructure scorecard as a potential model for internal County projects.</td>
<td>Q4 2013 - Q1 2015</td>
<td>High</td>
<td>Low</td>
<td>OES</td>
<td>Facilities, PW, PDS, Parks, Airport, Finance</td>
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<td>(iii) Identify possible green building incentives that the County can offer to the community.</td>
<td>Q4 2013 - Q1 2015</td>
<td>Medium</td>
<td>Medium</td>
<td>OES</td>
<td>PDS, PW</td>
</tr>
<tr>
<td>(iv) Increase the community’s access to information on energy efficiency, green building, and utility rebates on the County website and at the County campus.</td>
<td>Q1-4 Q2 2014</td>
<td>Medium</td>
<td>Medium</td>
<td>PDS</td>
<td>OES, DIS, PW, Parks</td>
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<tr>
<td>(v) Partner with local agencies to host workshops on green design and construction for County staff and community stakeholders.</td>
<td>Ongoing</td>
<td>Low</td>
<td>Medium</td>
<td>OES</td>
<td>All Depts</td>
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SOAP Progress Report
2013-2019
### Highlights of key accomplishments

- **Internal Green Building Advisory Team Green**
- **Green and High-Performance Building Ordinance adopted in 2020 (SCC 3.06)**
- **Green building incentives for the community**
  - Joint rebate application for PUD & PSE
  - [Built Green](#) incentive through PUD

### Where more work is needed

- Complete the accompanying policy for SCC 3.06
- More training and education for employees and the public
### Highlights of key accomplishments

- On-track to exceed 20% GHG reduction goal by 2020 over 2000 baseline
- Reduced GHGs from fleet by 2.5% per year
- 24 new electric vehicle charging stations installed
- 4 hybrid interceptor vehicles piloted in Sheriff’s Office
- New technologies: diesel engine retrofits, hybrid vehicles, and a diesel exhaust fluid (DEF) station to reduce harmful air pollution

### Where more work is needed

- ~7% increase in employees driving alone to work since 2007
- Reducing GHGs from fossil fuels in County facilities
- Increase use of biodiesel in County’s diesel fleet
- Increase the number of all electric and hybrid electric vehicles used in County operations
## Highlights of key accomplishments

- 2018 energy use 11% lower than the baseline year 2000 (weather normalized)
- 2013 potable water use in County facilities decreased by 3% (1M gallons) from 2010
- Energy efficiency retrofits in County facilities since 2010 = GHG reductions equal to taking 965 passenger vehicles off the road each year
- Reduced water consumption by 8 million gallons between 2012-2017 in nine highest water consuming facilities
- County’s 20.6 kW of solar power produce more than 16,000 kilowatt hours of electricity annually

## Where more work is needed

- Missed the 30% net energy reduction target
- Missed the water reduction target for all 30 SOAP buildings by 9%
### Highlights of key accomplishments

- Revamped internal recycling in 2012 with new 3-stream bins and education
- Recycling refresh trainings provided in 2018
- The Zero Waste Fair initiative diverts nearly 50% of Fair waste each year; totaling more than 244 tons since 2014
- Public Works Department recycles materials from road and bridge construction projects; 148,000 pounds recycled in 2014 alone
- Print Wise campaign resulted in a 13.6% reduction in paper consumption saving approximately $21,000

### Where more work is needed

- Minimizing solid waste from County facilities (385% increase in GHGs from solid waste generated from County facilities since 2000)
## Highlights of key accomplishments

- County’s first green purchasing policy adopted in 2012.
- New resources created and trainings held for County staff to help implement the green purchasing policy.
- Purchasing Division began issuing bids electronically in 2012.
- EPP language added to standard bid and RFP/RFQ templates, including sustainability criteria and weighted evaluation points.

## Where more work is needed

- Standardizing the use of life cycle cost assessments as a key tool prior to procurement
- Developing standard purchasing specifications by product type
GOAL 6
Promote Ecological Preservation and Healthy Ecosystems

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<th>Where more work is needed</th>
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<td>✓ 65% of all road and bridge projects constructed by Public Works have some form of bioretention.</td>
<td>□ Identify strategies to reduce the urban heat island effect in the development and maintenance of public infrastructure and facilities</td>
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<td>✓ Paine Field Airport achieved Salmon Safe Certification in 2019.</td>
<td>□ Identify potential programs and incentives that the County could provide to promote resource conservation in the permitting process.</td>
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<td>✓ Puget Sound Initiative launched in 2016.</td>
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<tr>
<td>✓ Healthy Forest Project launched in 2020 with partner Forterra at 10 County park sites.</td>
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### Highlights of key accomplishments

- Climate adaptation and resiliency integrated into 2015 Hazard Mitigation Plan.
- Founding member of the Puget Sound Climate Preparedness Collaborative.
- Piloted new tool for public infrastructure projects to plan for long-term climate impacts.
- Airport’s zinc removal pilot project treated 160,000 gallons of roof stormwater runoff.
- Annual Earth Day event very successful and expands each year.

### Where more work is needed

- Integrate climate adaptation and resiliency across County government.
- Communicate the environmental, economic, and community benefits of County sustainability initiatives to the public.
**SOAP Progress Summary**

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## SOAP Progress Summary

### MORE WORK NEEDED

- Transition of off fossil fuels in County fleet and facilities to clean fuels
- Reduce emissions from employee commuting through transit and other alternatives to driving-alone to work
- Integrate climate adaptation and resiliency across County government
- Minimize solid waste generated at County facilities
- Expand green purchasing practices to reduce GHGs and waste associated with goods and services purchased by the County
- Provide staff training on life cycle cost assessments, and integrate this as a key decision-making tool across County government
- Communicate the environmental, economic, and community benefits of County environmental sustainability initiatives to the public
- Identify action items to protect and improve water quality in County daily operations
- Integrate racial and social equity throughout County government operations, including in the SOAP
For more detailed information on SOAP progress, the 2019 SOAP Progress Update is available on the Office of Energy and Sustainability webpage.
Next Steps

1. March 2 at 2pm: Webinar #2 – Moving Forward
   https://zoom.us/j/94810852908?pwd=UFJlaFNGSkhpUUZKMnZVWGN0QUtUdz09

2. Survey link open March 3-March 31 and be available here on the OES website

3. Optional: Schedule a meeting with OES to discuss specific strategies and actions for your department, office, or County government!