



Climate Action Advisory Committee

Skype meeting agenda for 4/14/2020

- Logistics: County email and review of materials sent 3/4
- Brief overview of Snohomish County government
- Overview of the County's Office of Energy and Sustainability/Climate Change work
- Review and discuss work plan ideas



Snohomish County Government: A brief overview



What does Snohomish County government include?

| <i>Includes</i> | <i>Does not include</i> |
|--|---|
| Assessor, Treasurer, Auditor, Superior Court, District Court, Clerk, Prosecuting Attorney, Sheriff, Executive, Council | Schools Fire |
| Human Services, Solid Waste, Roads, Surface Water Mgmt, Dept of Emergency Management, Airport, Parks, Planning and Development, etc. | Power, Water/Sewer, Gas Public Transit |

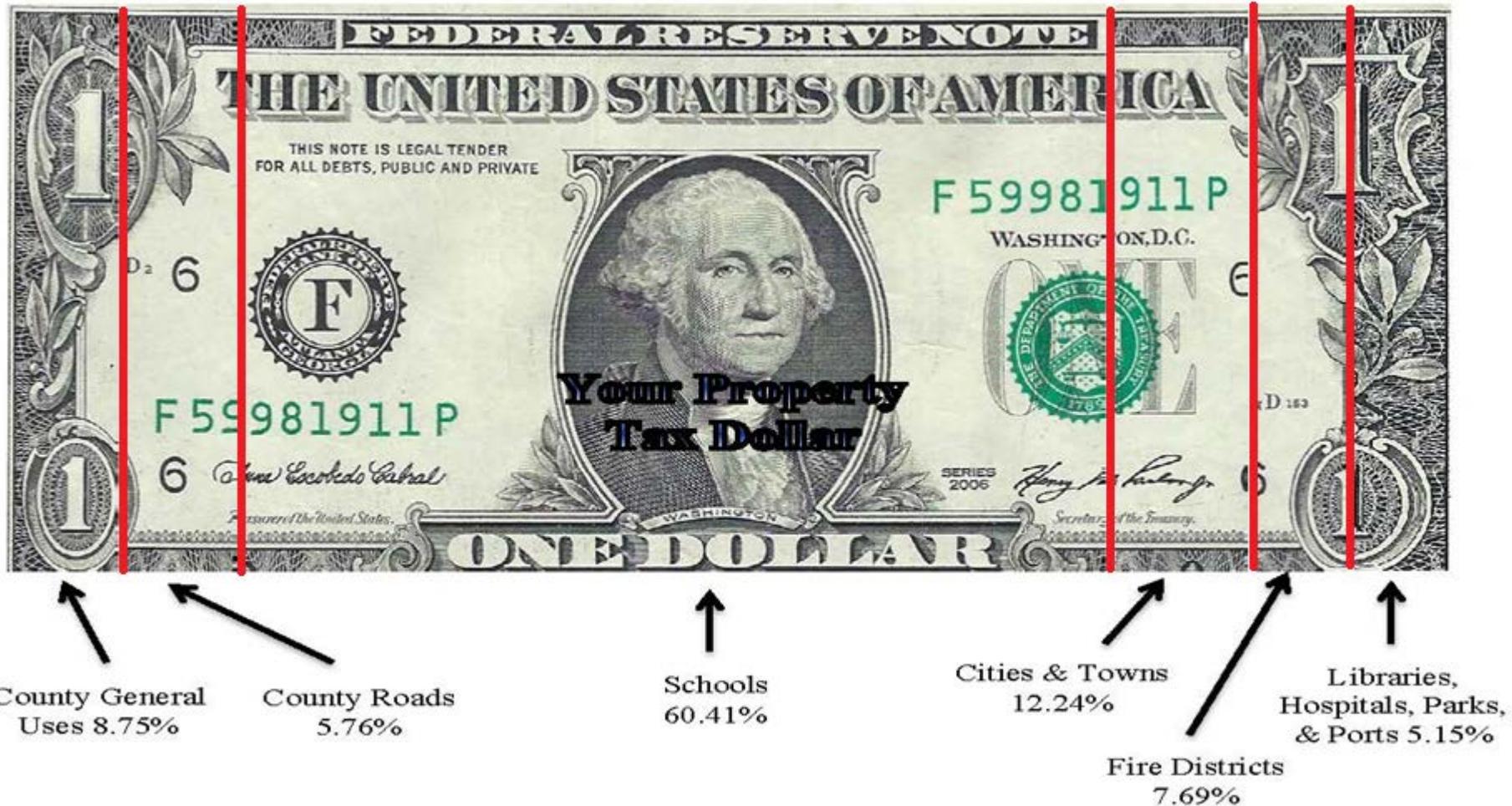


Public Process Input

- Over 50 Boards and Commissions, examples include:
 - Animal Advisory Board
 - Arts Commission
 - Council On Aging
 - Evergreen State Fair Advisory Board
 - Noxious Weed Control Board
 - Planning Commission
 - Veterans' Assistance Fund Executive Board
- Snohomish County website www.snoco.org
 - Public comment opportunities
 - Council meeting agendas, minutes, videos, etc.



Your Property Tax Dollar

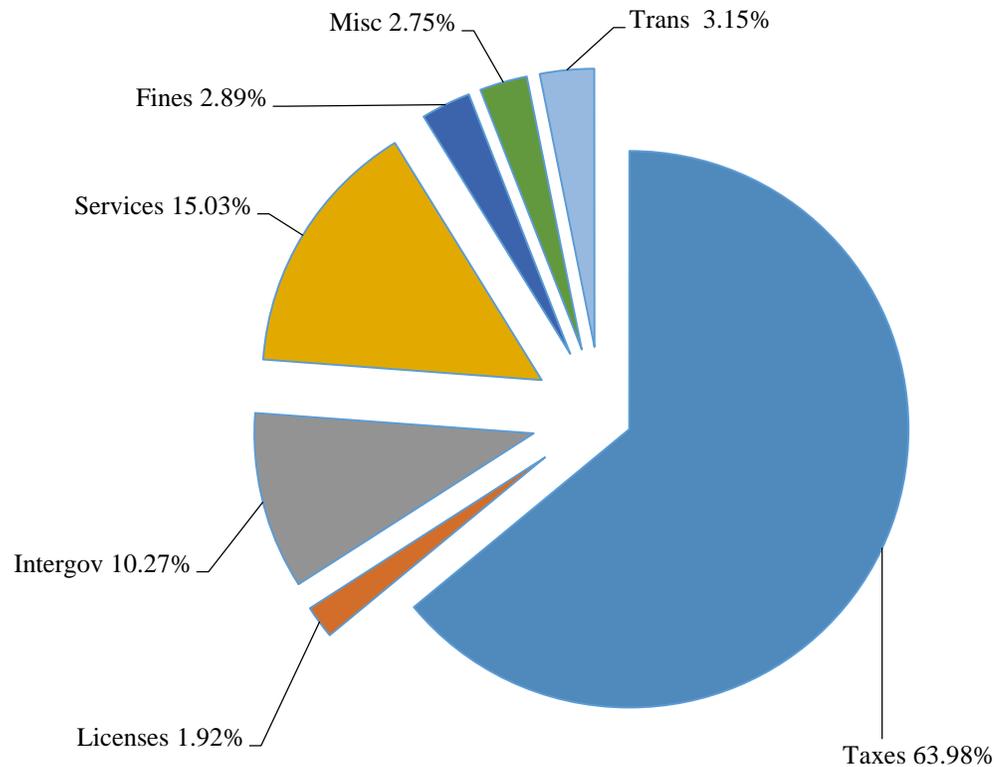


Source: Assessor's Annual Report

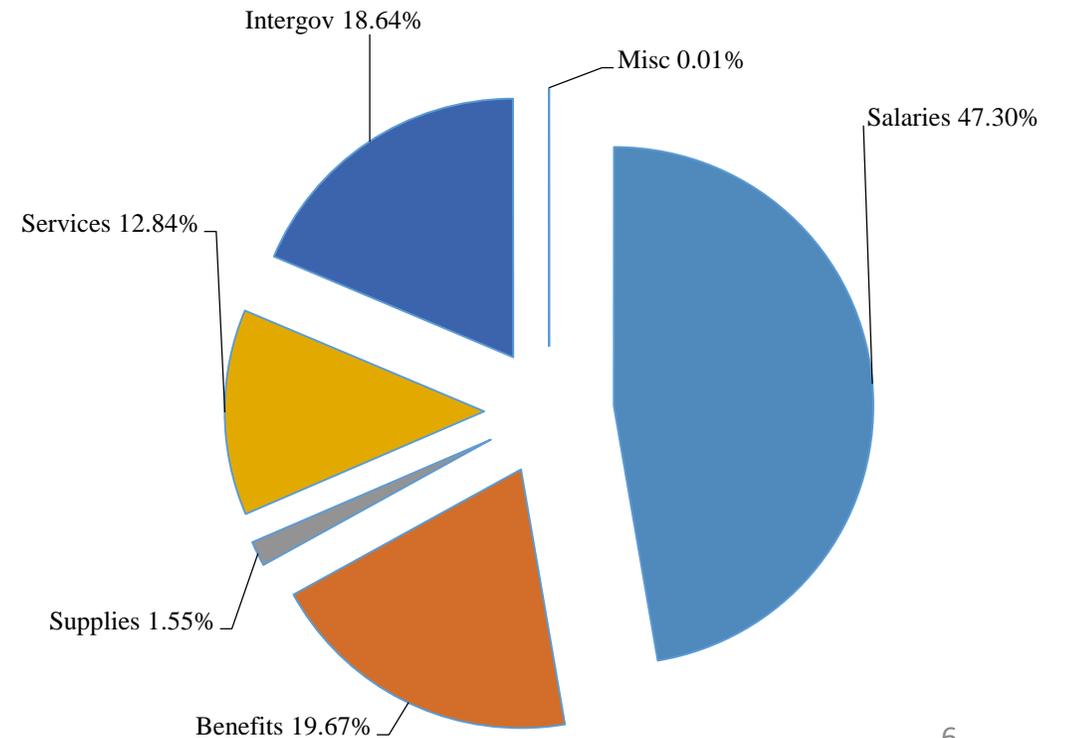


2015 Council-Adopted General Fund

**2015 Revenue Budget
\$229.7 Million**



**2015 Expenditure Budget
\$226.1 Million**





General Fund Expenditures

BREAKDOWN:

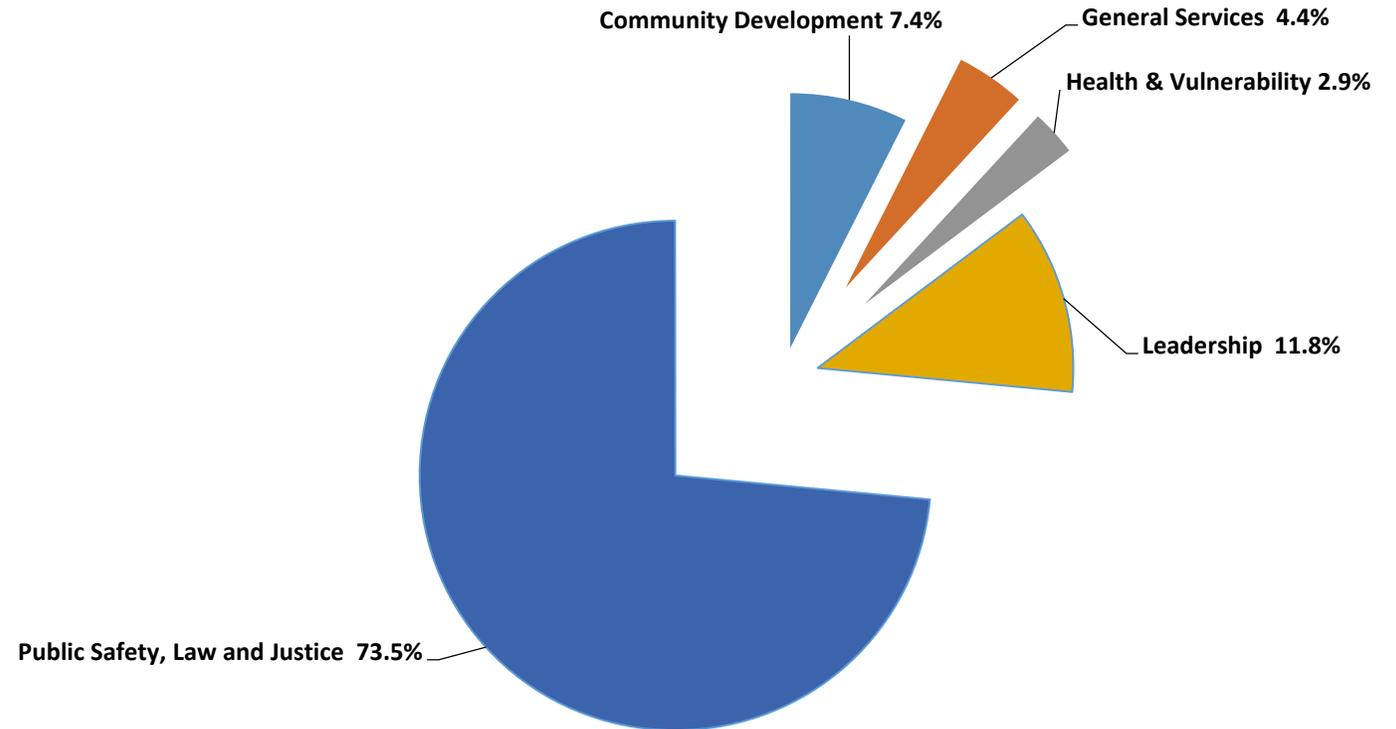
Public Safety, Law and Justice 73.5%

Leadership 11.8%

Community Development 7.4%

General Services 4.4%

Health & Vulnerability 2.9%



2015 General Fund Expenditure Budget \$226.1 Million



Funds

Capital Projects & Debt Services Funds

Internal Service Funds

Enterprise Funds

General Fund

Special Services Funds



Leveraging Funds

Parks

Use their capital funds to match with local, State, and Federal grants.

Roads

54¢ of every dollar spent is funded by mitigation fees or by other funds including outside grants.

Human Services

Able to leverage \$3.5M of General Funds into an excess of \$87M in Federal, State, and other local funds. This equates to ~\$25 for every \$1 of General Fund.



Budget Process/Timelines

Spring
Summer

Prep Stage

Evaluate needs, work with stakeholders, estimate resources, determine methodology, calculate growth factors and rates

Department Submittal Stage

Executive Recommendation Stage

Work with all Departments and stakeholders, balance priorities, allocate scarce resources

Council Amend/Adopt Stage

Work with all Departments and stakeholders, balance priorities, allocate scarce resources

Budget Management Stage

Implement plans/programs, with appropriate authorization, manage within appropriation levels

November



Questions?

Office of Energy and Sustainability



Staff

- 2 – OES policies, programs, projects
- 7 – Weatherization Program

- Office started in 2010 through ARRA/EECBG federal stimulus

Office of Energy and Sustainability

- Strategic planning, policy development, reports
- Program development and management
- Stakeholder collaboration and building partnerships
- Strategic Energy Management Program
 - Track energy use in ~40 buildings (waste and water not yet comprehensive)
 - Coordinate rebates and incentives with utilities
- Employee Education
- Grants
- Legislative Tracking

Plans, Policies, and Reports (New or In-Process)

- Sustainable Operations Action Plan (SOAP) – Update/revise
- Greenhouse Gas Emissions Inventory for government Operations (2018) – soon to be complete
- Green and High Performance Buildings Ordinance – new chapter 3.06 added on March 20; accompanying policy ~50%
- Clean Energy Plan for County Gov't Operations – EcoShift Consulting selected
- Green Fleets Policy for County-owned vehicles and equipment – in process
- Integrated Pest and Vegetation Management Policy and Guidelines for Gov't Operations – complete

OES Community Programs

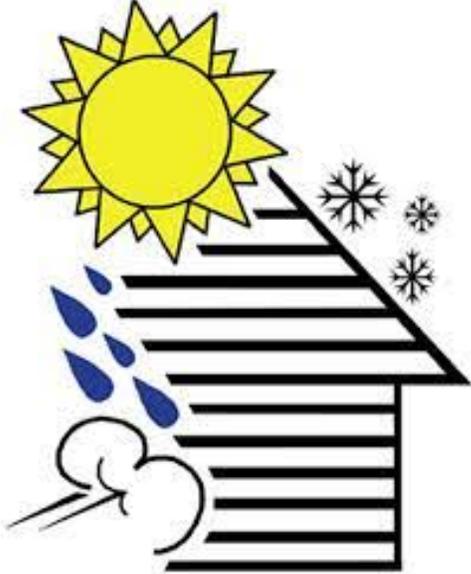
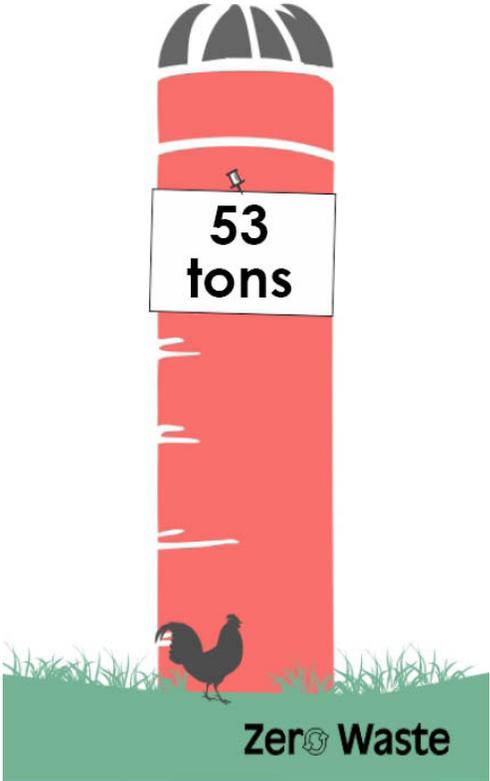


Energy Smart Loans

for Snohomish County Homeowners



How green is the Evergreen State Fair?
The Evergreenest!
So far, attendees have saved this much waste from the landfill by recycling and composting!



Weatherization Program

Savvy Septic Program

- County program started in 2015
- Financing options and incentives for OSS replacement, repairs, maintenance
 - Grants for low-income homeowners
 - Rebates for system maintenance and risers
 - Low interest loans through Craft3
 - Free homeowner education classes
- Benefits:
 - Public health
 - Water quality and species health
 - Social equity
 - Work \$\$ for local contractors



Savvy Septic Program

► Outcomes (through Q1 2018)

- 51 low-income grants for repair or replacement of failing systems
- 61 low-interest loans for failing systems
- 645 rebates for septic system inspections
- 865 residents have attended a workshop on proper operations & maintenance
- \$1.4 million in work for local contractors

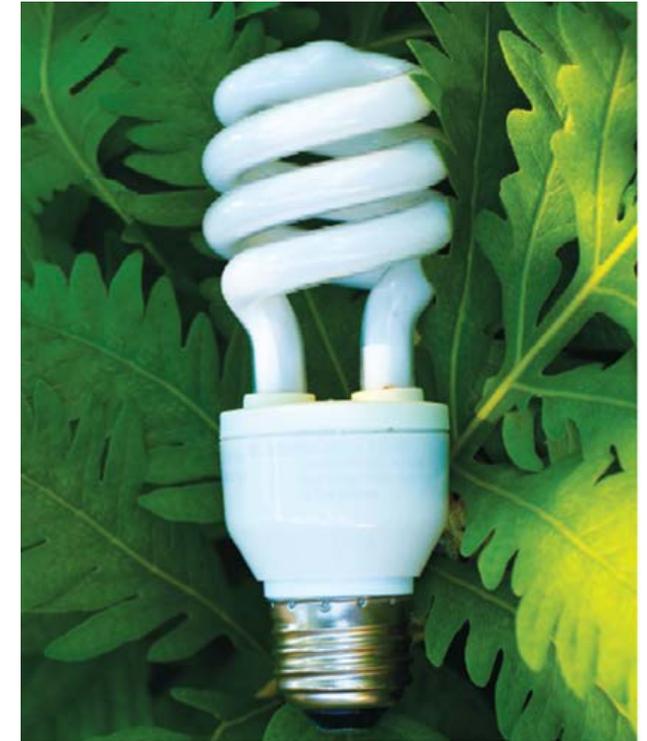
► Funding

- Majority grant funded since 2015; need a consistent funding source



Energy Smart Loan Program

- Launched in 2012 with federal \$640,000 DOE/EECBG dollars
- Partnership with Puget Sound Cooperative Credit Union (PSCCU)
- Wide range of eligible energy efficiency measures
- Leverage funding 20:1

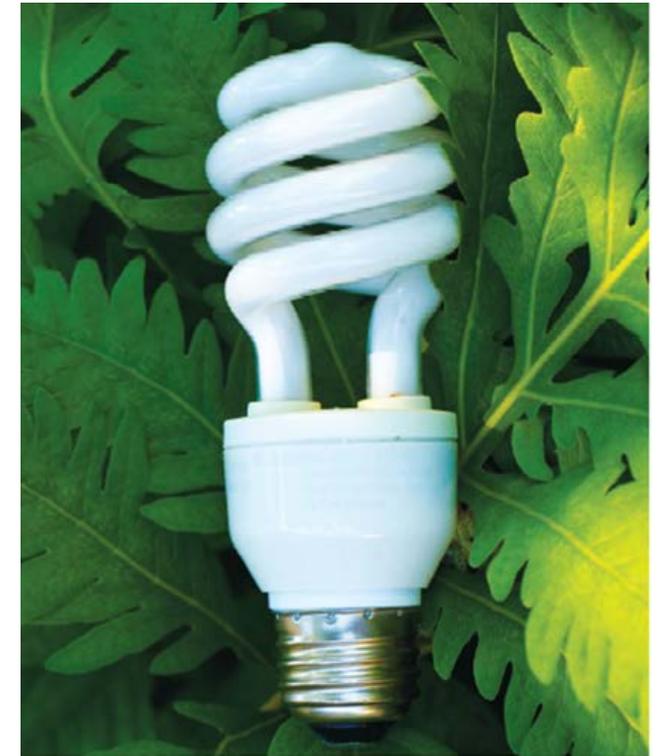


Energy Smart
Loans

for Snohomish County
Homeowners

Energy Smart Loan Program

- SF, MF (up to four attached units), mobile homes
- Loan amounts: \$1,000-\$50,000
- Fuel neutral program
- Contractor paid directly
 - Financing advance available to contractors
 - No cost to contractor to participate
- Access to gas and electric utility rebates and incentives
- Expands pool of applicants that are eligible



Energy Smart
Loans

for Snohomish County
Homeowners

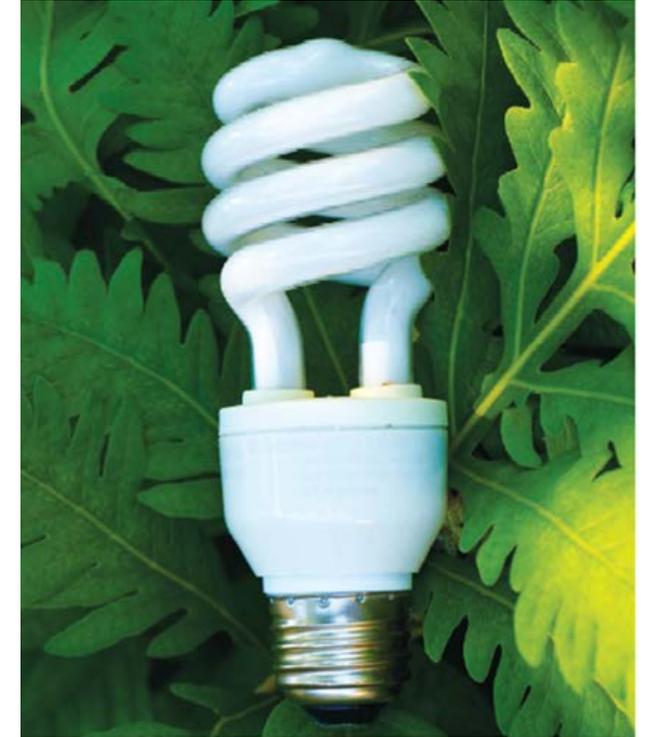
Energy Smart Loan Program

- **Eligible Measures:**

- Insulation
- Air sealing
- Heating, ventilation, air conditioning repair or replacement
- Water heating
- Windows and doors
- Renewables (qualifier of at least one energy efficiency measure)
- Home repairs needed to implement specific energy efficiency measures (e.g. electrical upgrades, roof repairs/upgrades, etc).

- **Ineligible Measures:**

- New central air conditioning
- Additional measures that do not meet our program standards

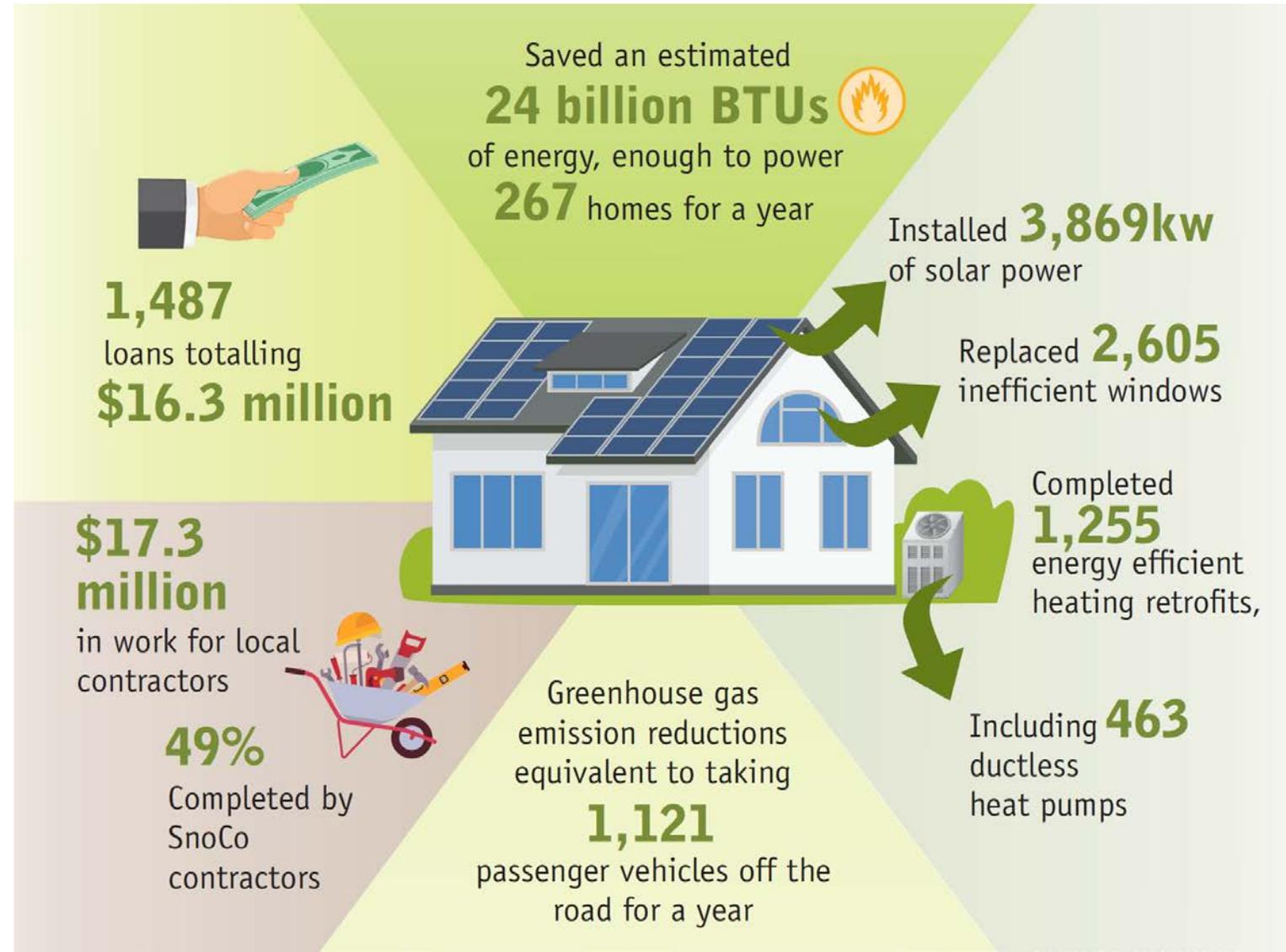


Energy Smart
Loans

for Snohomish County
Homeowners

Energy Smart Loan Program

PROGRAM HIGHLIGHTS 2012-2018:



Zero Waste Fairgrounds

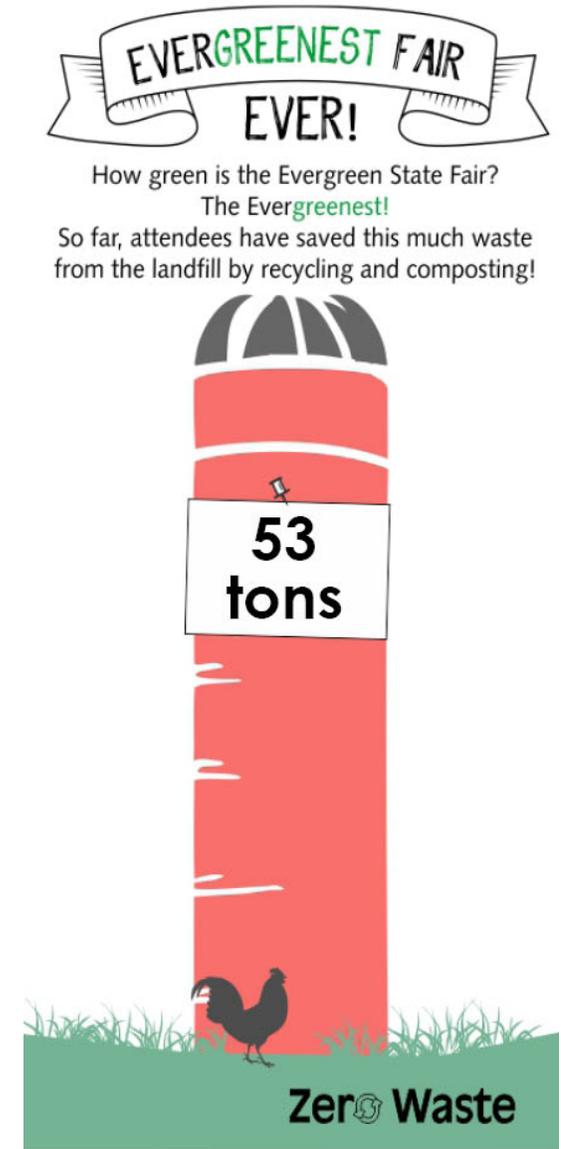


- 12 days
- 350,000 people
- 41 food vendors
- 161 commercial exhibitors
- Carnival, race track, evening concerts, animals, food!



Zero Waste Fair Initiative

- Started in 2014
- Goal to reach Zero Waste at the Fair by 2017
- Expand Zero Waste to all Fairgrounds events during the year
- Specified in our Sustainable Operations Action Plan (SOAP)
- 2013 study:
 - 12 Day Fair = ~120 tons waste
 - Fairgrounds = ~240 tons/yr



Zero Waste Fairgrounds

2013 study of annual waste generation at the Fairgrounds

| Year | Garbage (tons) | Wood Shavings (tons) | Cardboard and Mixed Recycling (tons) | Organics (tons) | Total Generation (tons) | Annual Diversion Rate (including wood shavings) |
|------|----------------|----------------------|--------------------------------------|-----------------|-------------------------|---|
| 2012 | 219 | 1,430 | 7 | 13 | 1,670 | 87% |
| 2013 | 245 | 1,379 | 8 | 6 | 1,639 | 85% |

- **FINDINGS: Existing 85% diversion rate, BUT.....**
 - 82 tons could likely be diverted to recycling markets
 - 65 tons could likely be diverted to organics markets
- Annual waste generation from County Fairgrounds : 14% of County total
- **Evergreen State Fair Waste: 50% of annual Fairgrounds waste**

Zero Waste Fairgrounds

Goal - Divert the remaining 245 tons of Fairgrounds garbage from landfill

➤ **2014 Highlights:**

- 30 Zero Waste Stations
- Seven Zero Waste Educators at stations
- 40 tons waste diverted (~33%)

➤ **2015-2019 Highlights:**

- 75 Zero Waste Stations
- Compostable food service ware mandate for vendors
- Increase attendee engagement, education, and awareness
- ~45%-55% of waste diverted



Zero Waste Fairgrounds



Weatherization Program

- Program moved from Human Services to the Energy and Sustainability Office (Department of Facilities and Fleet) on July 1, 2019
- Started in Snohomish County in the early 1980's following the adoption of the program by Washington State in 1977
- Entirely grant funded through a combination of Federal and State funds, as well as local utility dollars
- Seven FTEs

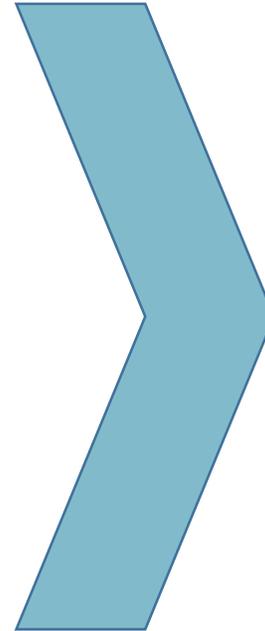
Project Process



Weatherization Program

Provides energy efficiency and safety improvements for eligible low-income homeowners, such as:

- Insulation
- Air Sealing
- Heating System Repair/Replacement
- Doors and Windows
- Ventilation Improvements
- New “Plus Health” measures to improve indoor air quality, reduce asthma, and minimize respiratory illness triggers for eligible clients.
- Client Education



Homeowner Benefits:

- ✓ Lower utility bills
- ✓ Healthier home
- ✓ Better indoor air quality
- ✓ Increased comfort
- ✓ Increased housing security

Who Does the Weatherization Program Help?

- Homeowners and renters
- Income up to 200% of federal poverty level, or 60% median family income, whichever is higher, based upon the number of individuals in the home
- Priority is given to elderly, disabled, and homes with children under 6 yrs.
- Historically served primarily single-family manufactured and site-built homes
- Currently planning new outreach strategies for multi-family rental projects with our program partners



Summary of Program Metrics

- Average of 100-120 homes weatherized each year
- More than 200 homes weatherized in the last three years, assisting approximately 400 Snohomish County residents*.
- Average investment in a completed weatherization project is approximately \$14,000
- Average of \$1.7 million in work for local contractors each year
- Reduces home energy consumption by an average of 20%
- Reduces home energy bills by an average of \$324/year



Recent Success Story

Osborn Family

- ▶ 3 person household
 - Pregnant mom with asthma and young child
- ▶ Purchased a “fixer-upper” home
- ▶ **Before Wx+H measures (1st Pregnancy):**
 - 3-4 trips to urgent care during pregnancy for asthma and constantly sick
 - Gestational diabetes
- ▶ **After Wx+H measures (2nd Pregnancy):**
 - No urgent care, not sick, no gestational diabetes



There is just no comparison – we are all so much healthier and have 90% less stress!

Oriana Osborn, Homeowner & program participant



Healthy Forest Project

- ✓ Stormwater: Reduce stormwater runoff, improve water quality, reduce erosion
- ✓ Combat climate change, reduce GHGs, helps mitigate ocean acidification, mitigation and adaptation
- ✓ Improve air quality
- ✓ Provide wildlife habitat
- ✓ Helps cool water temperatures
- ✓ Local and regional economy
- ✓ Community building and expanding stewardship model
- ✓ Wellness and fitness
- ✓ Makes communities more attractive and desirable places to live
- ✓ Equity components: access, air quality, etc.



www.snocohealthyforest.org.

Healthy Forest Project

- Successful kick-off event on Saturday 1/25
- Over 40 people came to learn about the new Program
- Northwest Stream Center, SWM, Parks, SCD, Forterra, Farmer Frog
- Program website:
www.snocohealthyforest.org

*** No funding source for this program beyond 2020.



Healthy Forest Project

- FLAT assessment complete results
- Community survey
- Draft 20 year forest plan for the pilot areas
- Lead steward orientation and training
- Additional volunteer events

*** No funding source for this program beyond 2020.



Urban Forest Management



Figure 2. A projection of forest decline

Climate Change Adaptation & Resiliency

- Climate Preparedness Collaborative
- Incorporated measures into the County's hazard mitigation plan
- Climate Change adaptation tool
- [Green Infrastructure Lab with Earth Economics](#) (technical assistance grant award)



Puget Sound Climate Preparedness Collaborative



PUGET SOUND
Climate
Preparedness
Collaborative

pugetsoundclimate.org/

Implementation support to
the Puget Sound Climate
Collaborative is provided by:



With funding
support from:



BULLITT
FOUNDATION

Puget Sound Climate Preparedness Collaborative

- **Vision:** Our Puget Sound communities, economy, and environment are prepared for and resilient to the impacts of a changing climate.
- **Goals:**
 - The Collaborative is thriving, self-sustaining, and reflects the communities we serve.
 - The Collaborative is building local awareness and regional capacity for climate preparedness.
 - The Collaborative is a catalyst for advancing preparedness policy and action across jurisdictions.

Current Members and Partners

- King County
- Tulalip Tribes
- Seattle
- Tacoma
- UW's Climate Impacts Group
- Kitsap County
- The Northwest Seaport Alliance
- Pierce County
- Port of Seattle
- Puget Sound Regional Council
- Snohomish County
- Sound Transit
- The Emerald Alliance
- Shoreline
- Coastal Geologic Services
- EcoAdapt
- Pierce Conservation District
- Sea Grant
- Puget Sound Partnership
- Thurston Regional Planning Council
- Snohomish Conservation District

OES – 2020 Workplan Highlights

- Revise and update the SOAP
- Complete report for 2018 GHG Inventory
- Clean Energy Joint Resolution
 - Clean Energy Plan – consultant (nearly) hired
 - Green and High Performance Building Policy (accompanies new Ordinance)
 - Green Fleet Policy
- Chemicals Inventory
- Continue planning for a new Snohomish County Home Repair Program

OES - New Grant Awards

- Awarded **\$300,000** grant from Dept. of Health to continue the Savvy Septic program.
- Weatherization Program awarded **\$154,000** from the Dept. of Commerce, via competitive RFP. Funds will help address projects deferred for various home repair issues (e.g. asbestos, structural, etc) and fuel switching for oil and propane.
- Awarded **\$54,000** across two grants through Dept. of Ecology for EV charging stations at DJJC and Cathcart locations. Required County match for both is ~\$84,556.
- Awarded a Waste Reduction and Recycling Education Grant from Ecology for **\$26,218** for the Zero Waste Fair Initiative. Parks will pay the required match of \$8,739. Funds will provide new signage at each entrance, new bilingual waste station signage, 225 carts for recycling and composting collection that can be used for all Fairgrounds events.

TOTAL new grant funds awarded: \$534,218