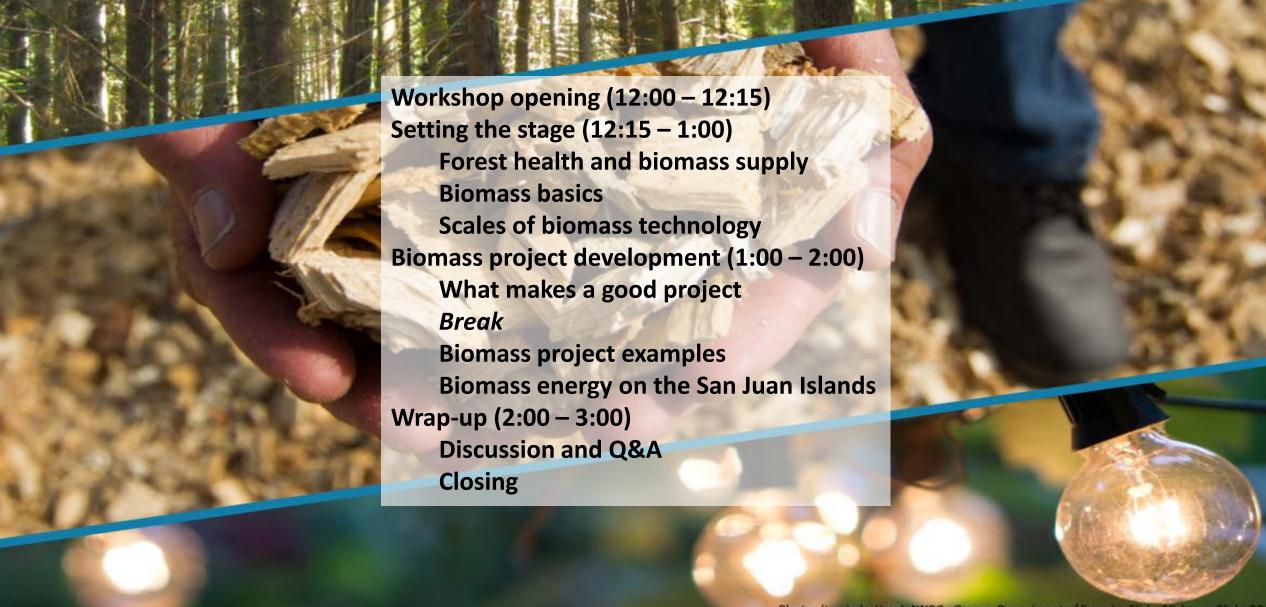
Energy Opportunities for Woody Biomass



San Juan County, Washington

Community Wildfire Protection Plan/Wildfire Risk Assessment



2010 Satellite Island Fire

Adopted by the San Juan County Council August 2012





Management implications:

- Historic fires burned at least every 7-20 years in some areas.
- Current fire-free period (105 years), longest in at least 500 years.
- Major challenge in returning fire to landscape, different cultural needs
- Fire or *fire surrogate* may be needed to ensure forest health



How much woody biomass?

Turtleback Mountain Forest and Carbon Inventory 2010

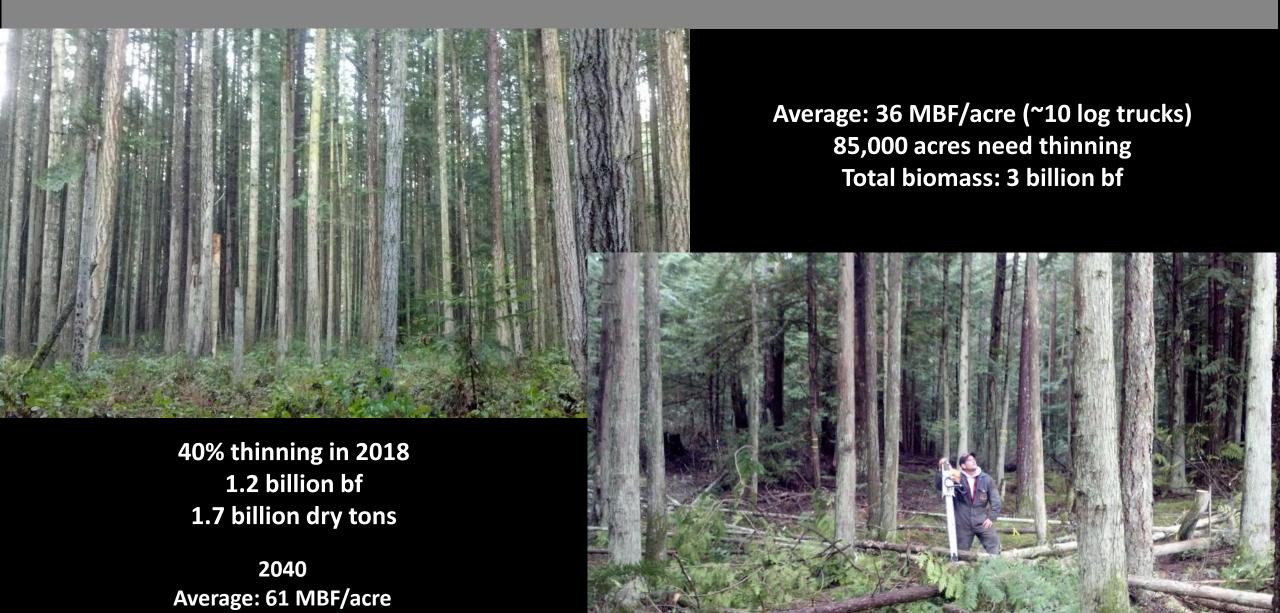


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How much woody biomass?





Environmental Quality Incentives Program (EQIP) Program Guide



Practices	Payment Rates
Forest management plan	\$1,065 - \$1,280 (<20 acres)
Pre-commercial thinning	\$344/acre
Forest slash treatment	\$279/acre
Downed large wood	\$119/each
Wildlife habitat pile	\$163/each
Pruning	\$256/acre
Fence	\$3.49/ft.
Site prep for planting, light veg.	\$209/acre
Stream crossing, culvert <3' dia.	\$333/ft
Tree planting with cages	\$545/acre
Bird/bat nest boxes	\$32/each



Next Steps

- 1. Coalition of the willing
- 2. 2018 grant
 - Biochar production & marketing
 - Woody biomass inventories
 - Forest management training
 - Bioenergy opportunities
- 3. 2019 grant
 - Business feasibility study
 - Biochar
 - Bioenergy
 - Firewood



