

## Geothermal energy

Geothermal energy refers to heat stored beneath the Earth's surface that can be used for heating, cooling, generating electricity, and industrial and agricultural purposes.

## Engagement



## What we're hearing

### Opportunities

- Firm, consistent renewable power
- Grid reliability and energy resilience
- Address transmission constraints
- Jobs and economic development

### Risks

- Potential for resource impacts
- Emerging technologies
- Induced seismicity

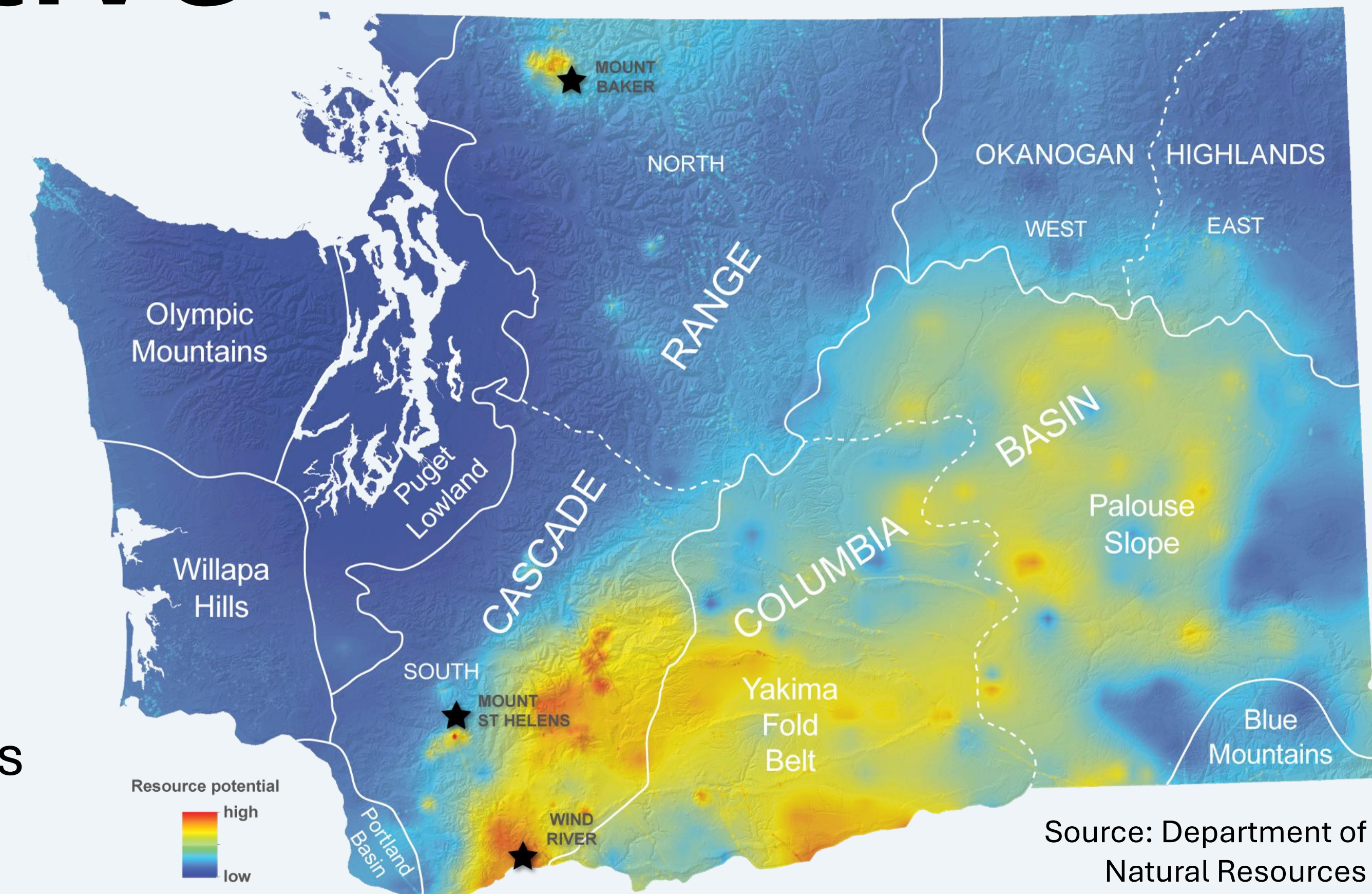
### Siting and development factors

- Early engagement with communities and Tribes
- Transmission and access
- Site-specific seismic risks

# Geothermal Energy Collaborative Process

We're working with communities and Tribes to identify opportunities and risks of developing geothermal energy.

No geothermal energy projects are currently proposed for development in Washington. This is an opportunity for early discussions and planning.



Scan QR code to learn more



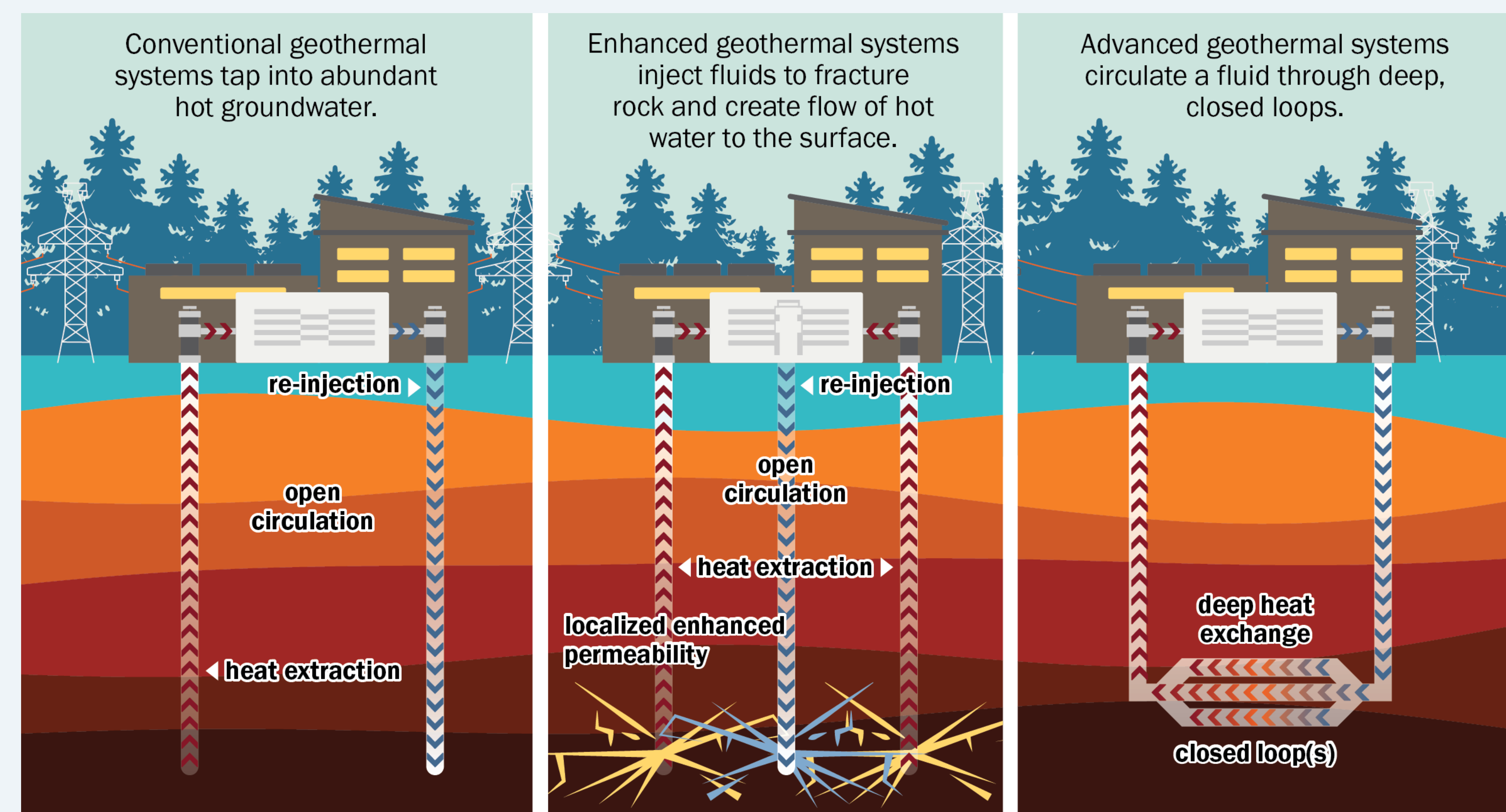
[ecy.wa.gov/geothermal](https://ecy.wa.gov/geothermal)

This process has statewide considerations and focuses on three geographic areas with greater potential for geothermal resources:

- Mount Baker area
- Mount St. Helens area
- Wind River valley area

### Geothermal technologies

Various technologies can convert geothermal energy into electricity by extracting heat from the earth to produce steam that spins turbines.



## Current technical studies

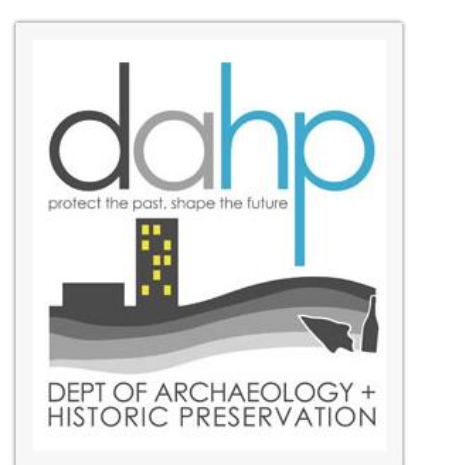
### Ecology

- Potential impacts
- Siting factors
- Regulatory analysis
- Magnitude thresholds for seismicity established by other states

### Department of Natural Resources

- Publish study data for the focus areas
- Collect new groundwater data
- Update geothermal data layers
- Preliminary induced seismic hazard assessments near the focus areas

## State agencies involved



## Contact

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To request ADA accommodation, visit [Ecology.wa.gov/ADA](https://Ecology.wa.gov/ADA), or call Ecology at 360-407-6600, or the Washington Telecommunication Relay at 711.