Path to Decarbonization: Washington State’s Transition to 100% Renewable Energy

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2019 Washington Greenhouse Gases

- Residential, commercial, industrial heating: 25%
- Transportation: 39%
- Electricity: 21%
- Other: 14%
2022 Policy Rollout

CLIMATE

- Decarbonize the building sector.
- Successfully implement the Climate Commitment Act.
- Invest more in clean transportation.
- Build the clean energy future here in Washington.
Clean Energy Transition Act (CETA) - 2019

- By 2025, all electric utilities serving Washington State customers are required to eliminate coal-fired generation.
- By 2030, all electric utilities must be greenhouse gas neutral.
- By 2045, all electric utilities are required to generate one hundred percent of their power from renewable or zero-carbon resources.
Climate Commitment Act (CCA) - 2021
2021 Washington State Energy Strategy

- 45% reduction in emissions below 1990 emission levels by 2030
- 70% reduction in emissions below 1990 levels by 2040
- 95% reduction in emissions below 1990 levels in addition to net zero emissions by 2050

Emphasis on overburdened populations, low-income communities, and Indigenous communities in the state

Healthy Environment For All (HEAL) Act - 2021
EQUITABLE ACCESS to clean energy economic benefits and opportunity.

- Empower Communities
- Ensure Affordable Remote Service
- Address Nexus of Affordable Housing, Livable Communities, and Displacement
- Address Procedural Inequity and Prioritize Equitable Development
- Increase Resilience and Energy Sovereignty for Tribes and Vulnerable Communities
- Reduce Energy Cost Burdens
- Incorporate Health Disparity Metrics
Clean Energy

● Wind and solar
  ○ Replacing coal and natural gas
  ○ Washington is a leading state in wind energy production
    ■ 2,000 wind turbines installed across the state

● Energy efficiency
  ○ Consumers and utilities
    ■ Incentives to upgrade to energy-efficient appliances

● Hydro
  ○ Snake River Dams
Clean Energy

- Transportation efforts
  - Encourage use and adoption of EVs through tax incentives
  - All new passenger vehicles sold in Washington will be electric by 2030
  - Increase in charging stations
  - Fuel standard
  - General Motors, among others, will only sell zero-emission vehicles by 2035
Recommendations for Washington State

- Increased public transportation
  - Expand light rail
- Provide subsidies for EVs
  - California
- Increase offshore wind, solar, and marine renewable energy
How Can You Support Washington’s Transition to Clean Energy?

● Energy Efficient Appliances
● Electric Vehicles (EVs)
● Be informed and advocate for policies that support and promote clean energy
  ○ Support legislation to be passed and implemented
  ○ Advocate for policies and projects using clean energy
    ■ Support agencies working on these
  ○ Tax incentives
  ○ Requirements for utilities to use more renewable energy