



Thurston Climate Action Team

Proposal for Clean Energy Work Group

Thurston Thrives Coordinating Council, 11/16/2015





Topics

- Health and Climate Change
- Survey Results (Summary)
- Proposal for Moving Forward



Climate Change: Local Effects





Local Health Impacts

Weather Patterns → Health Effects

- Warmer temps, more heat waves, poor air quality
- Heavier rains, snow, more flooding, mudslides
- Sea level rise, more water
- asthma, heat stroke
- food & water contamination, stress, barriers to health services
- mold, bugs and disease

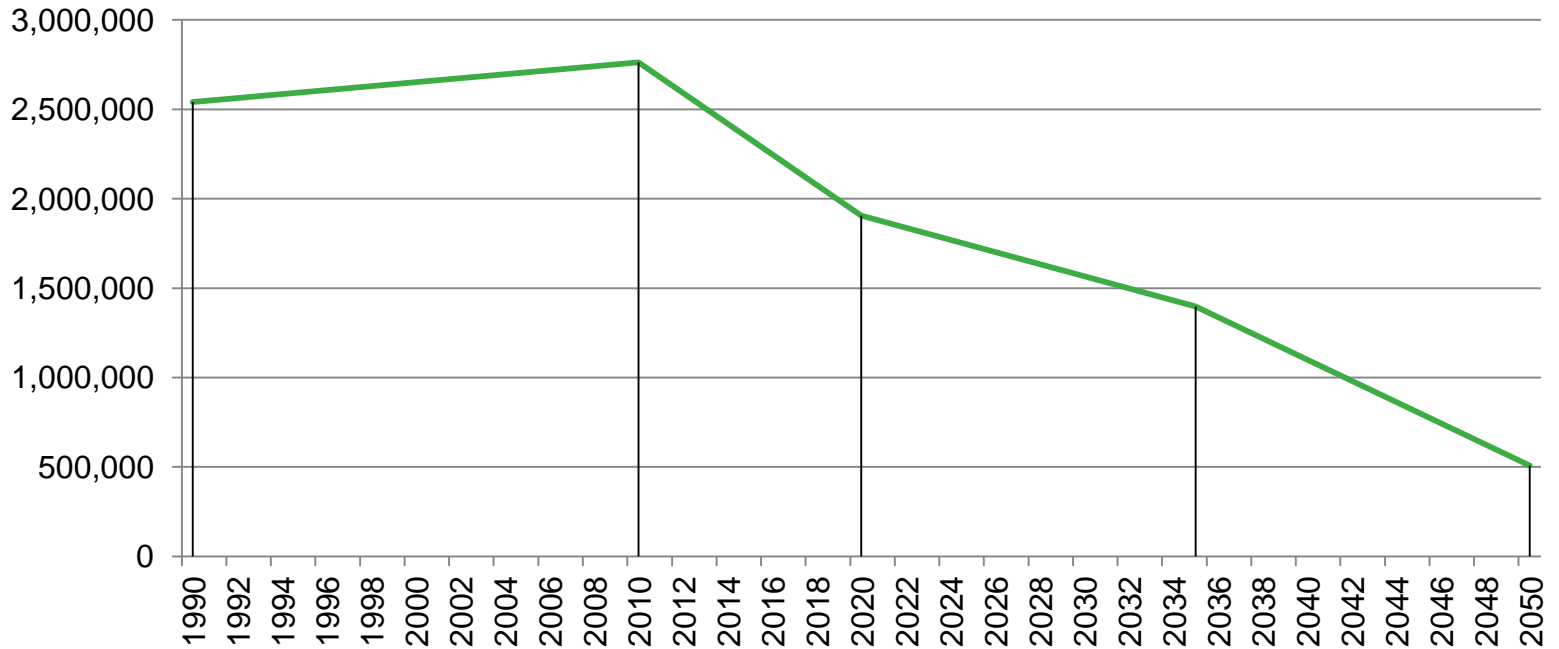


-Thurston County Public Health & Social Services, 2010



Sustainable Thurston Targets

Thurston Co Greenhouse Gas Metric Tons of CO2 Equivalent (MTCDE)



	1990	2010	2020	2035	2050
Thurston Co GHG MTCDE	2,540,511	2,761,800	1,905,383	1,397,281	508,102



Local Actions Needed

To Reduce our GHG Emissions:

- Policies
- Investment
- Advocacy



Promising solutions

- Expand energy efficiency services (Thurston Energy)—esp. rentals
- Promote solar installations (incentives, community solar, solar farms)
- Build out electric vehicle (EV) infrastructure
- Expand commute trip reduction program
- Farmers' transportation cooperative
- Incentives for efficient vehicles (e.g., EV)
- Transportation management areas
- Community education and engagement



Attitudinal Survey

Methods

- Funding from Thurston County, LOTT
- Partnership among St. Martin's, SPSCC, TESC
- Input from community agencies
- Students made calls 6/22 – 6/30
- Results compiled, analyzed
 - Cross tabs, dependency analysis



Survey Conclusions

- County residents:
 - Feel positively about quality of community life
 - Are concerned about climate change, and its local effects on health
 - Favor county-wide, coordinated action.
 - Would support clean energy programs with money.
 - Are receptive to small tax increases.



Program opportunity

Develop clean energy program

- Agree on GHG, energy usage targets
- Select top priority actions and projects
- Estimate costs and benefits
- Identify sustained, dedicated funding source(s)



How to Get There?

- Work within existing structures
- Focused effort, time commitment
- Timely completion



Links to Thurston Thrives

Existing Strategy Map Links

- Housing Strategy (rentals, empty office space)
- Food (↑ local production, ↓ waste)
- Community Design (↑ mixed use; ↑ walking, biking, transit)
- Environment (climate, air, drinking water, water bodies/ecosystems, ↓ solid waste, vector-borne disease)



Links to Thurston Thrives

Possible/Likely Strategy Map Links

- Education (engage students)
- Community resilience (local decision-making)
- Child and Youth Resiliency (↓ home energy costs)
- Economy (↑ clean energy jobs, employee transportation solutions)



Path Forward



Thurston Thrives Work Group

- Recruit participants from various TT action teams
- Add other key community representatives (such as PSE, financial institutions, CAC, contractors)
- Develop clean energy plan that addresses key goals of action teams