

37289 As Amended

100 Percent Renewable Energy



Bureau of Planning and Sustainability
Innovation. Collaboration. Practical Solutions.

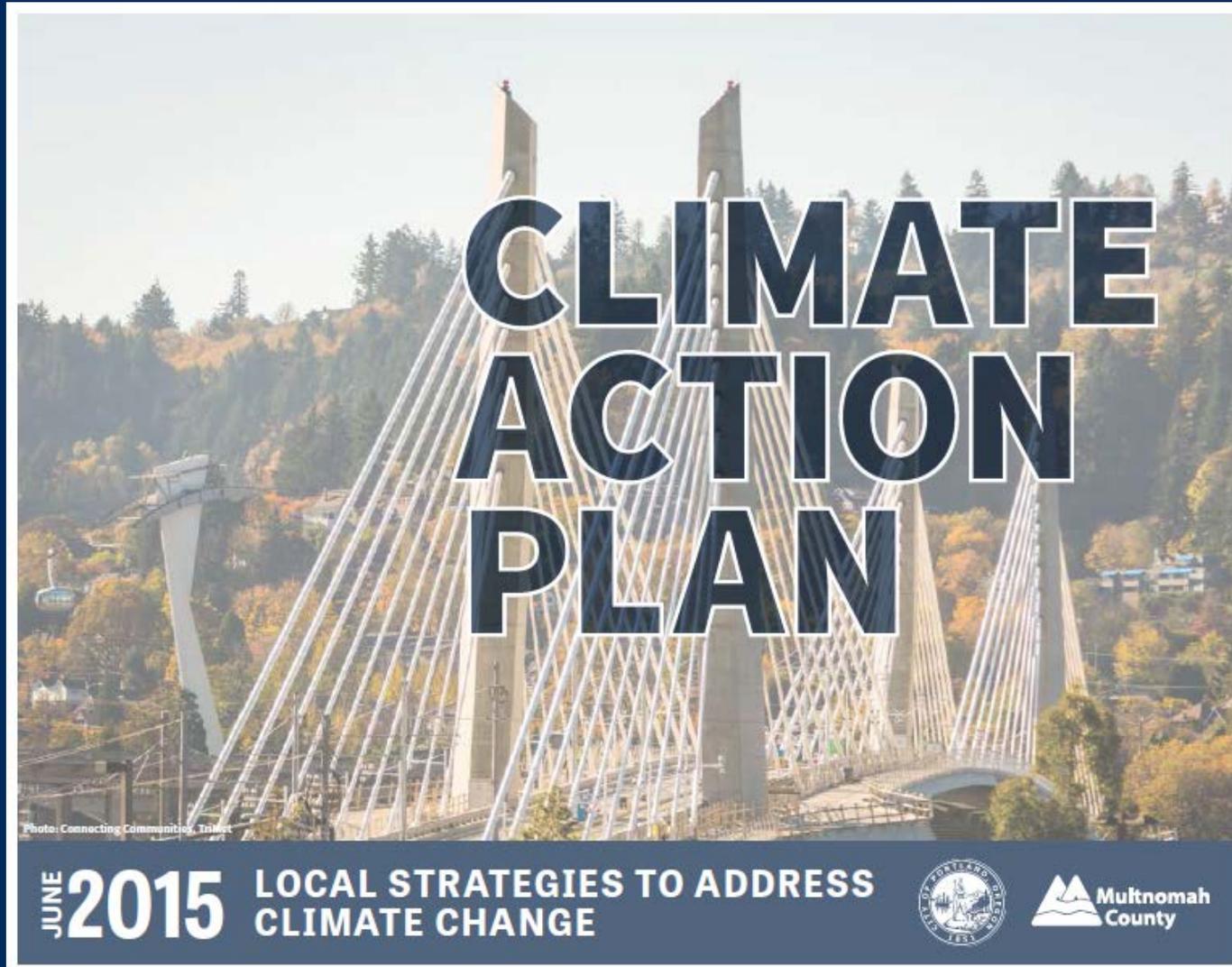


37289 As Amended

Objective 1: Reduce the total energy use of all buildings built before 2010 by 25 percent.

Objective 2: Achieve net zero carbon emissions in all new buildings and homes.

Objective 3: Supply 50 percent of all energy used in buildings from renewable resources



This resolution proposes two goals:

1. 100% renewable electricity by 2035.
2. 100% renewable energy by 2050.

To achieve renewable energy goals, we need to:

1. Create a compact city with walkable neighborhoods well connected by transit and bicycle networks.
2. Prioritize energy efficiency:
 - Commercial buildings
 - Homes
 - Industrial processes
 - Vehicles
 - Appliances

And then:

3. Convert electricity supplies to renewables
 - Including improving management of the grid and adding storage capabilities.
4. Convert vehicles to electricity or renewable fuels.
5. Substitute renewable gas for fossil-fuel natural gas.



City of Portland Environmental Services
Columbia Boulevard Wastewater Treatment Plant

100% Waste Methane Recovery

CUT

21,000 tons

OF CLIMATE-CHANGING EMISSIONS/YEAR

ADD

\$3 million

IN ANNUAL REVENUE

REPLACE ENOUGH DIESEL TO POWER

154 garbage trucks

FOR A YEAR

@BESPortland



In addition to establishing the goals, this resolution:

1. Maintains city use of renewable electricity for 100% of city operations
2. Prioritizes community-based development of renewables, including a goal for 50% utilization of MWESB businesses.
3. Commits to partner with workforce training providers to train workers to succeed in a renewable energy economy.
4. Commits to partner with utilities and encourages utilities to maximize energy efficiency.

This resolution also:

5. Supports accelerating the transition to electric vehicles.
6. Supports expanding transit and reducing fares for low-income residents.
7. Supports TriMet's transition to electric and renewables-fueled buses.
8. Commits to expanding green infrastructure to reduce energy demand and make Portland more resilient to climate impacts.

And also:

9. Calls on the State of Oregon to:

- Adopt similar goals
- Strengthen the building code and appliance standards.

10. Forms a Climate Action subcommittee of the Planning and Sustainability Commission.

Changes in the substitute resolution

- Page 3: New whereas specifying special consideration of the full environmental impacts of any biomass project.
- Page 3: New whereas recognizing the economic potential of the transition to clean energy and the importance of workers playing in a role in innovation
- Page 4: New “be it resolved” to partner with workforce training providers to prepare workers for a renewable energy-based economy.
- Page 3: New whereas to recognize importance of energy efficiency and green infrastructure and (page 5) companion “be it resolved” to commit to expanding green infrastructure.

Corporations with 100% renewable energy commitments

- Hewlett Packard
- Johnson & Johnson
- Microsoft
- Nike
- Philips
- Starbucks
- Walmart
- Wells Fargo

Source: RE100, <http://there100.org/companies>

Potential amendment to address Paris Agreement:

WHEREAS, the newly confirmed EPA Administrator Scott Pruitt and President Trump are making decisions that are setting climate policy at the national and international level back decades by pulling out of the Paris Climate Agreement, defunding environmental programs, attempting to reinvigorate the coal industry, greenlighting major pipeline projects (such as Keystone XL and Dakota Access), attacking the Clean Power Plan, and weakening EPA's commitment to environmental justice; and

Add new:

NOW, THEREFORE, BE IT RESOLVED, the City opposes the rollback of climate policy at the federal level and affirms its ongoing commitment to the goals of the Paris Climate Agreement and the City's responsibility to meet its proportionate greenhouse gas reductions for the United States under the Paris Climate Agreement,