



# Portland's Climate and Energy Policy and Programs

Senate Environment and Natural Resources Committee

November 18, 2019

Kyle Diesner, Climate Action Program Coordinator



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



# Presentation Agenda

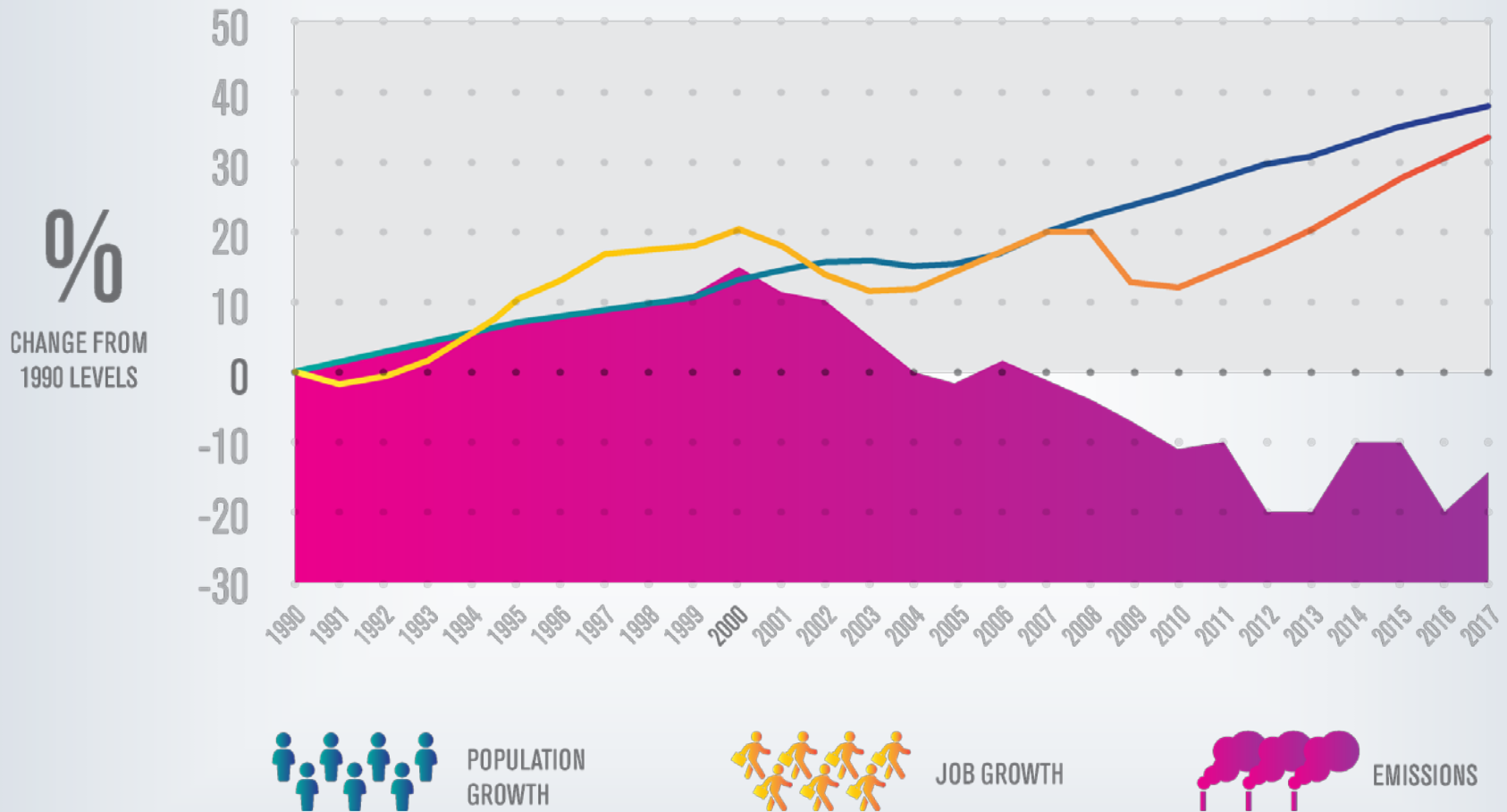
1. Review of Portland's climate and energy goals.
2. Update on carbon emissions inventory.
3. Review of local policy landscape
4. Sneak preview of what's coming next.

# Portland's North Star Climate & Energy Goals

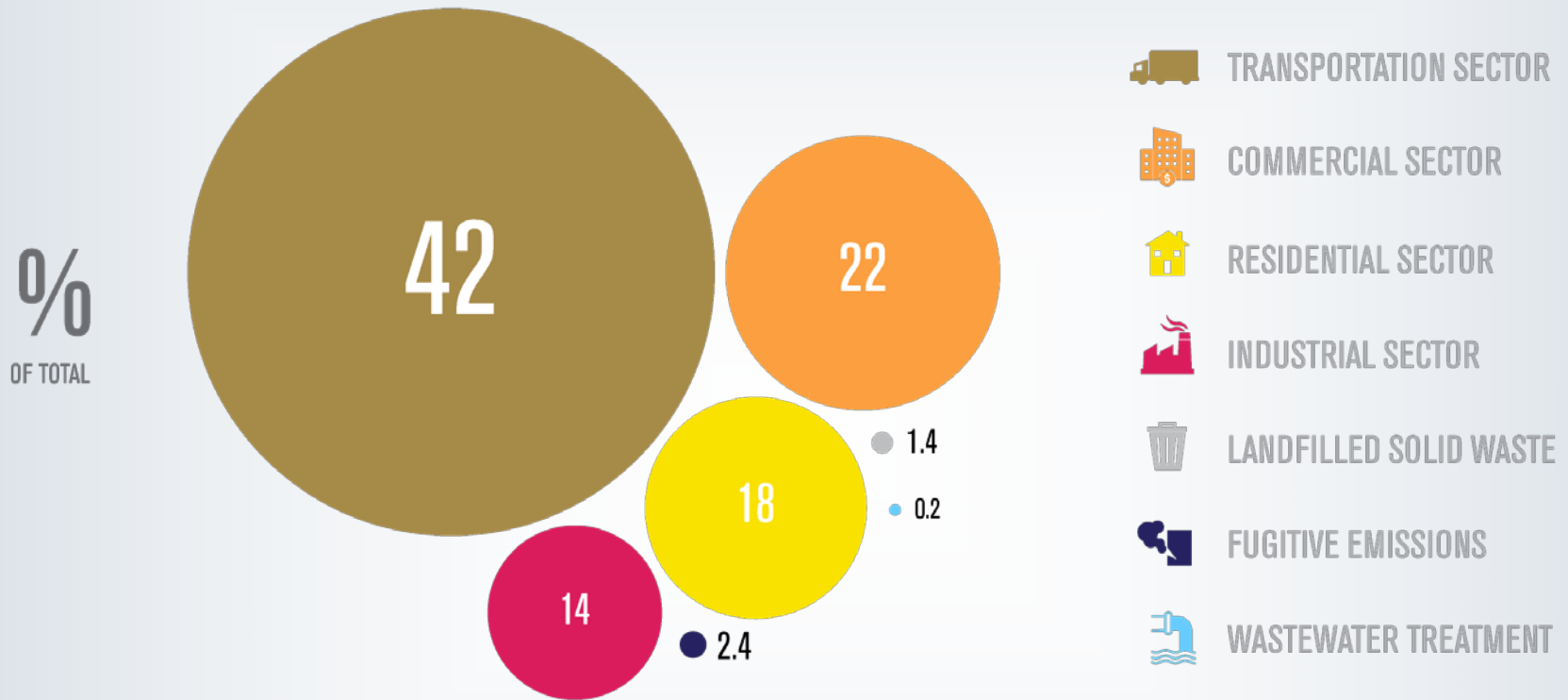
- Global Covenant of Mayors: 50% x 2030, 100% x 2050
- 100 Percent Renewable Energy (2017):
  - 100% renewable electricity by 2035;
  - 100% renewable heating and transportation sectors by 2050.
  - Center frontline communities and ensure a just transition.
- C40 Net Zero Carbon Buildings Declaration:
  - NZC new buildings and municipal assets by 2030;
  - NZC existing buildings by 2050.



# POPULATION AND JOBS **UP** / EMISSIONS **DOWN**



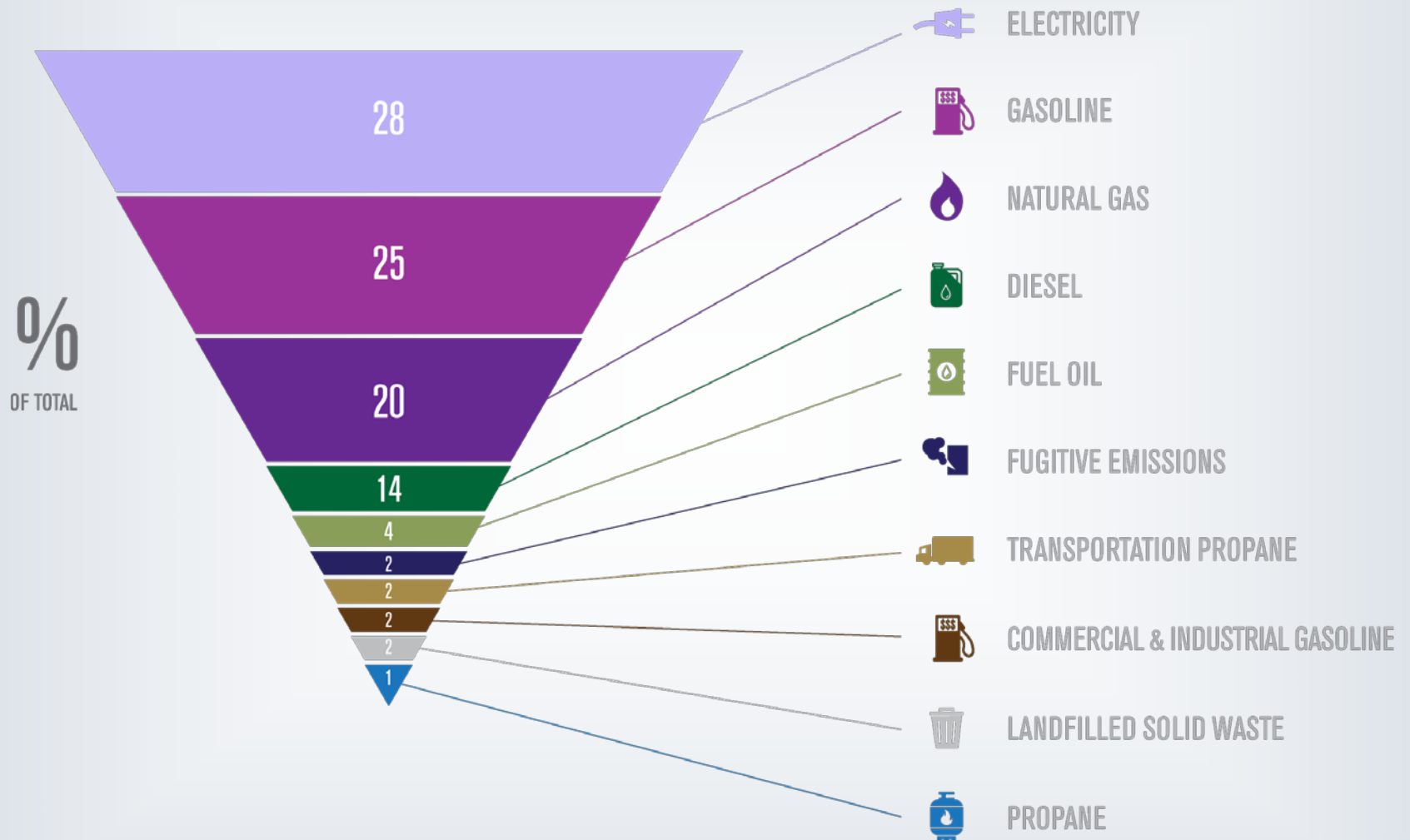
# Where do Portland's carbon emissions come from?



## 2017 MULTNOMAH COUNTY CARBON EMISSIONS BY SECTOR

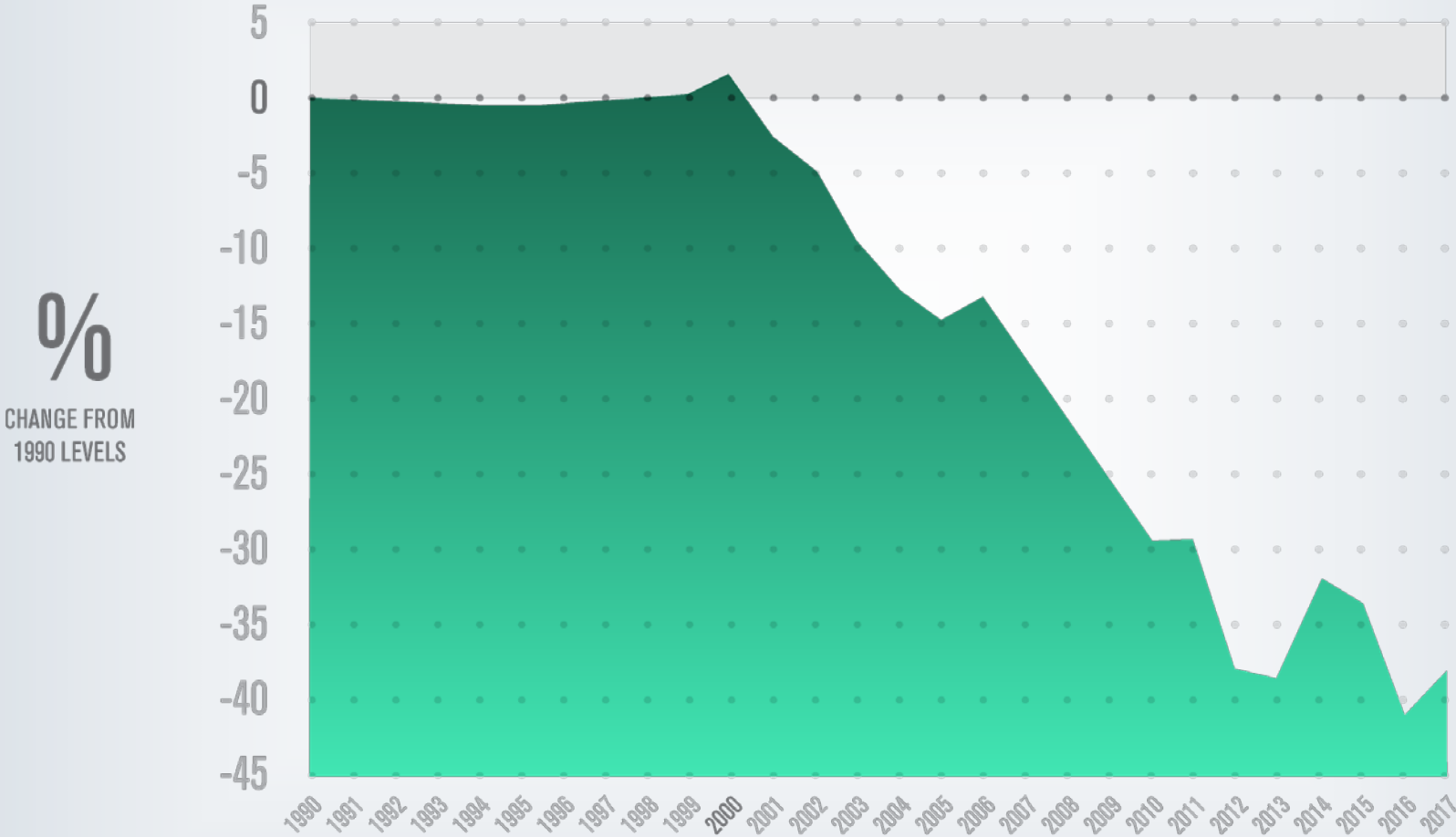


## 2017 EMISSIONS BY SOURCE



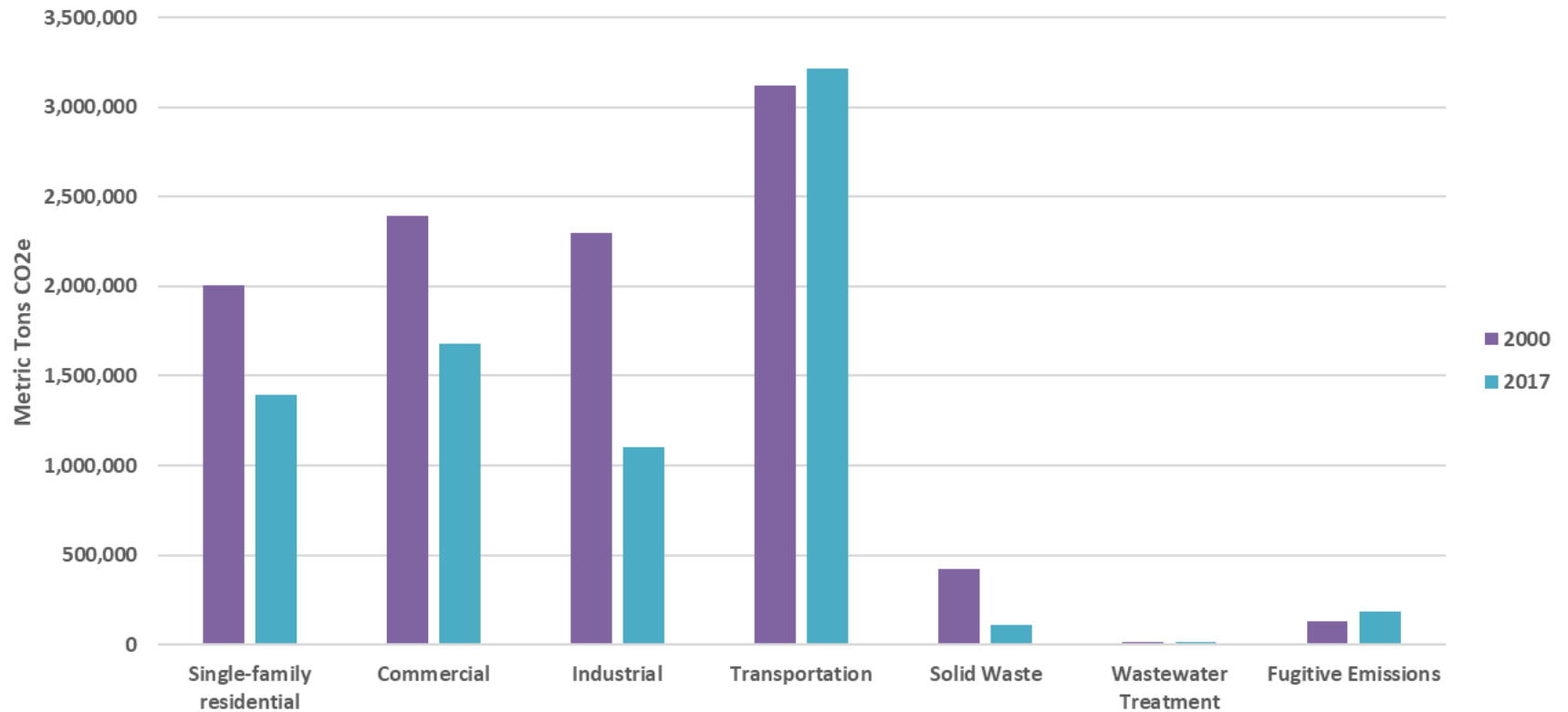


# CHANGES IN MULTNOMAH COUNTY CARBON EMISSIONS PER PERSON





## Emissions change for all sectors 2000-2017







# Priority #1: Energy Efficiency

- Existing buildings
  - Commercial energy benchmarking (2015)
  - Home Energy Score (2016)
  - City facility upgrades
- New buildings
  - Focus on building codes and Governor's EO 17-20.
- Centering frontline communities



## Priority #2: Renewables

- Historic focus on rooftop solar through Solarize
- Shifted focus to community solar since 2011
- Solar on City Facilities and Renewable Resilient Power for Portland (R2P2)
- Electricity procurement for City electricity use
  - Going beyond RECs
- Wastewater Treatment - Bio gas to fuel



## Priority #3: Electrify the Rest

- Zero Cities Roadmap – equity centered
  - Living Cully Community Energy Plan prioritizes ductless heat pump pilots.
  - Health and safety issues with natural gas, aside from the carbon emissions
- Broadway Corridor – environmental justice and labor coalition asking for net zero carbon development
- Portland EV Strategy



## Next Steps

- Carbon emissions standards for existing commercial buildings
- Renewable Fuels, Pricing for Equitable Mobility
- Embodied carbon, sustainable consumption and production strategy
- Price on carbon
- Exploring regulatory tools (land-use is key to mitigation)
- Resilience (solar + storage microgrids)



Thank you!

[kyle.diesner@portlandoregon.gov](mailto:kyle.diesner@portlandoregon.gov)

503.823.4166

[www.portlandoregon.gov/bps](http://www.portlandoregon.gov/bps)



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

