



Portland's Building Sector Policies and Programs

Oregon Global Warming Commission
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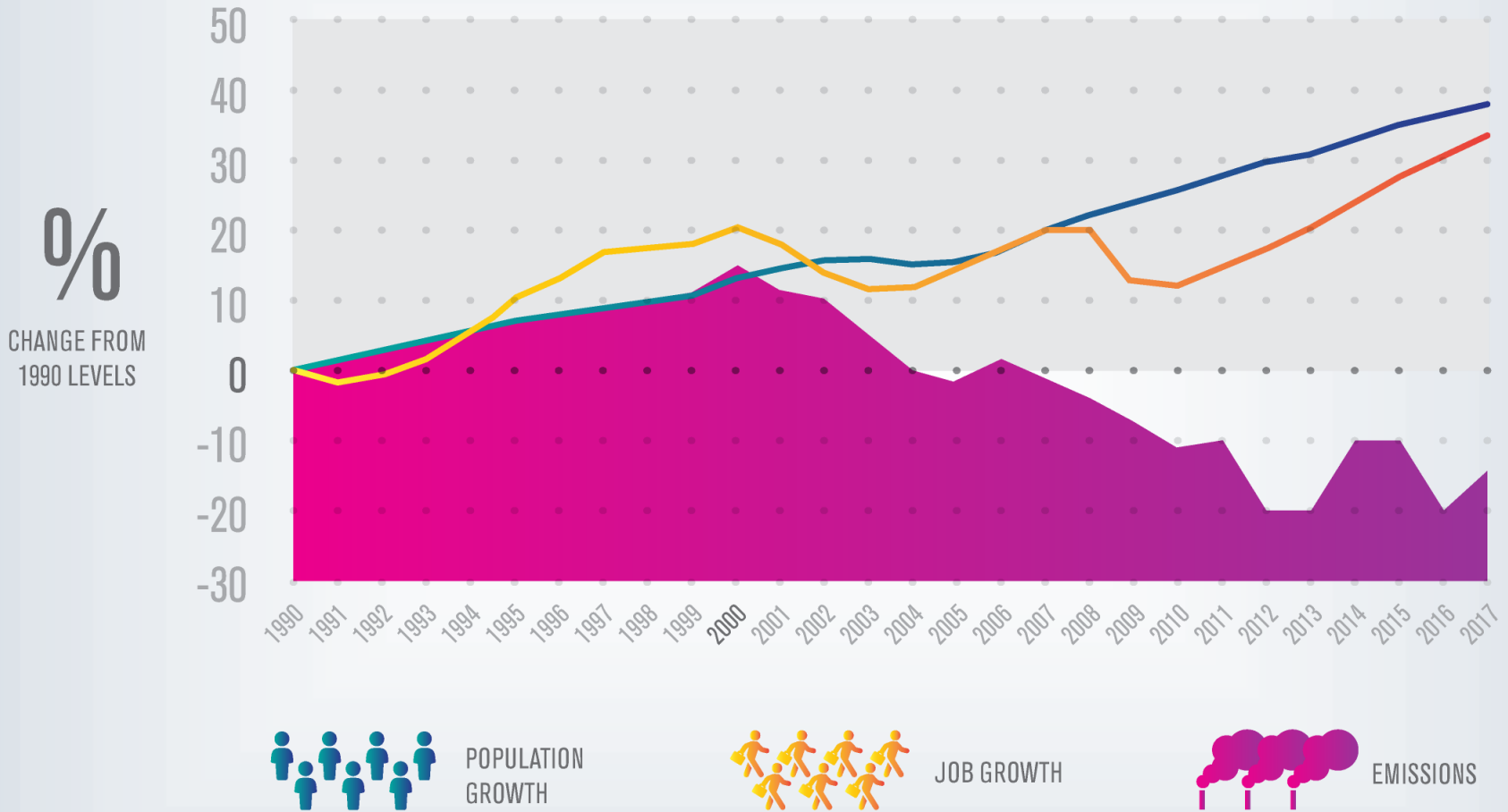
Presentation Agenda

- Review of Portland's climate and energy goals.
- Update on carbon emissions inventory.
- Review of local policy landscape, strengths and gaps.
- Sneak preview of what's coming next.

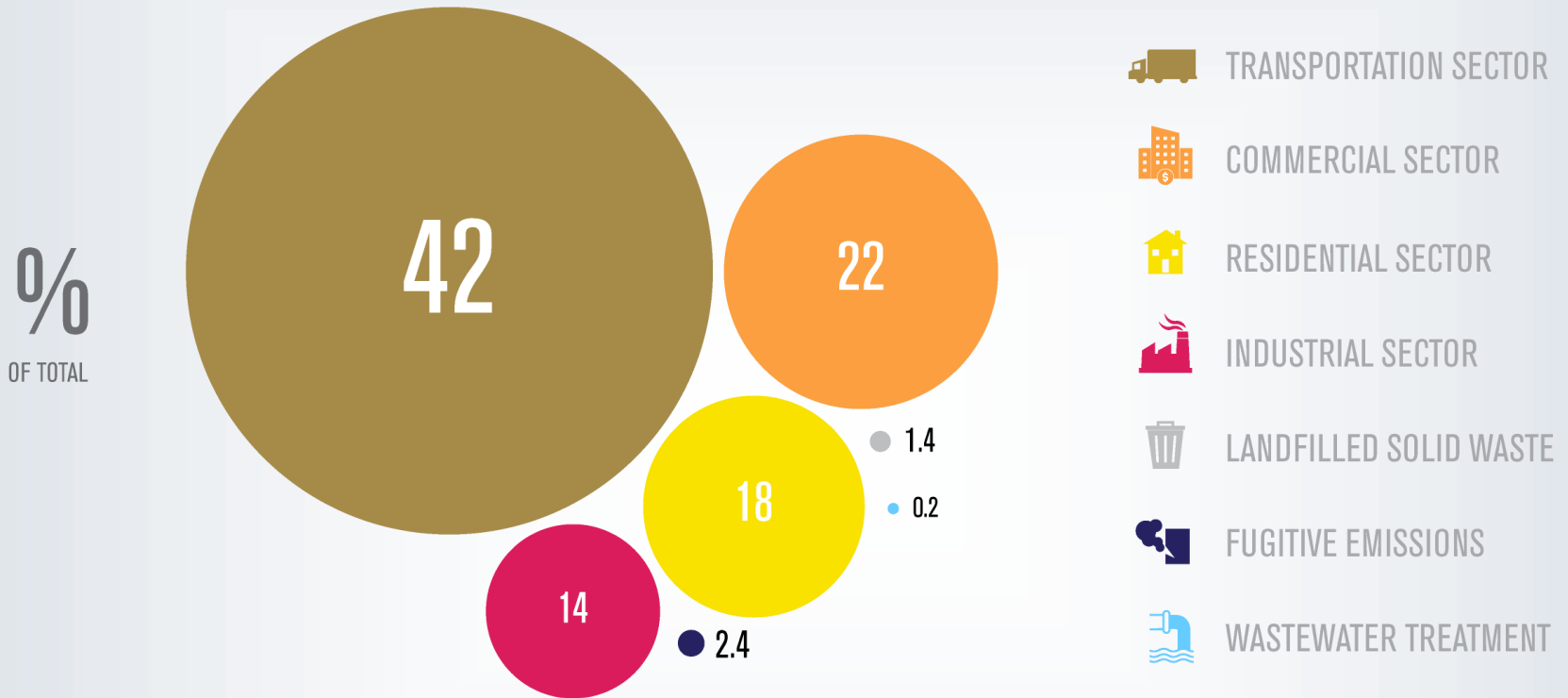
North Star Climate & Energy Goals

- 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

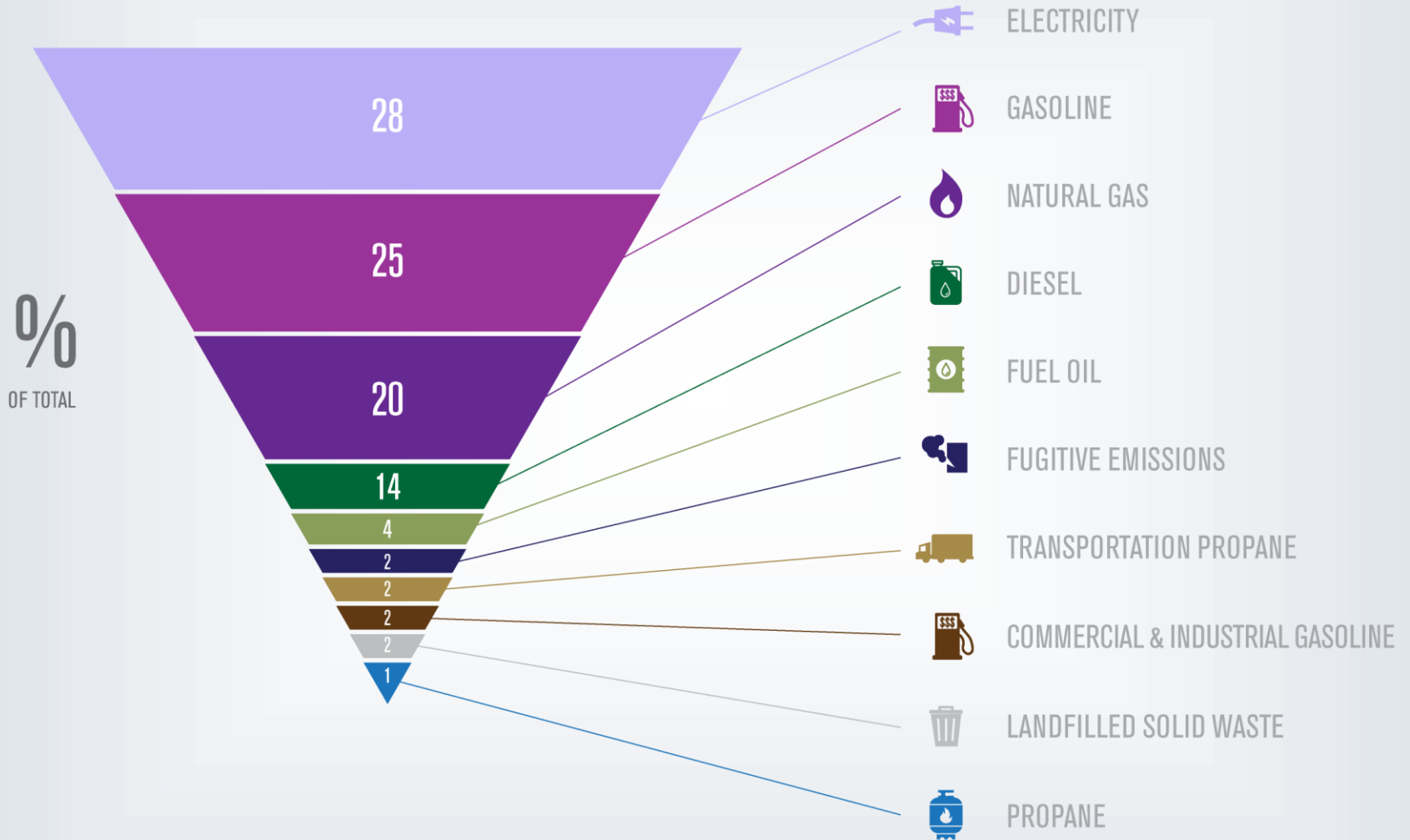


Where do Portland's carbon emissions come from?

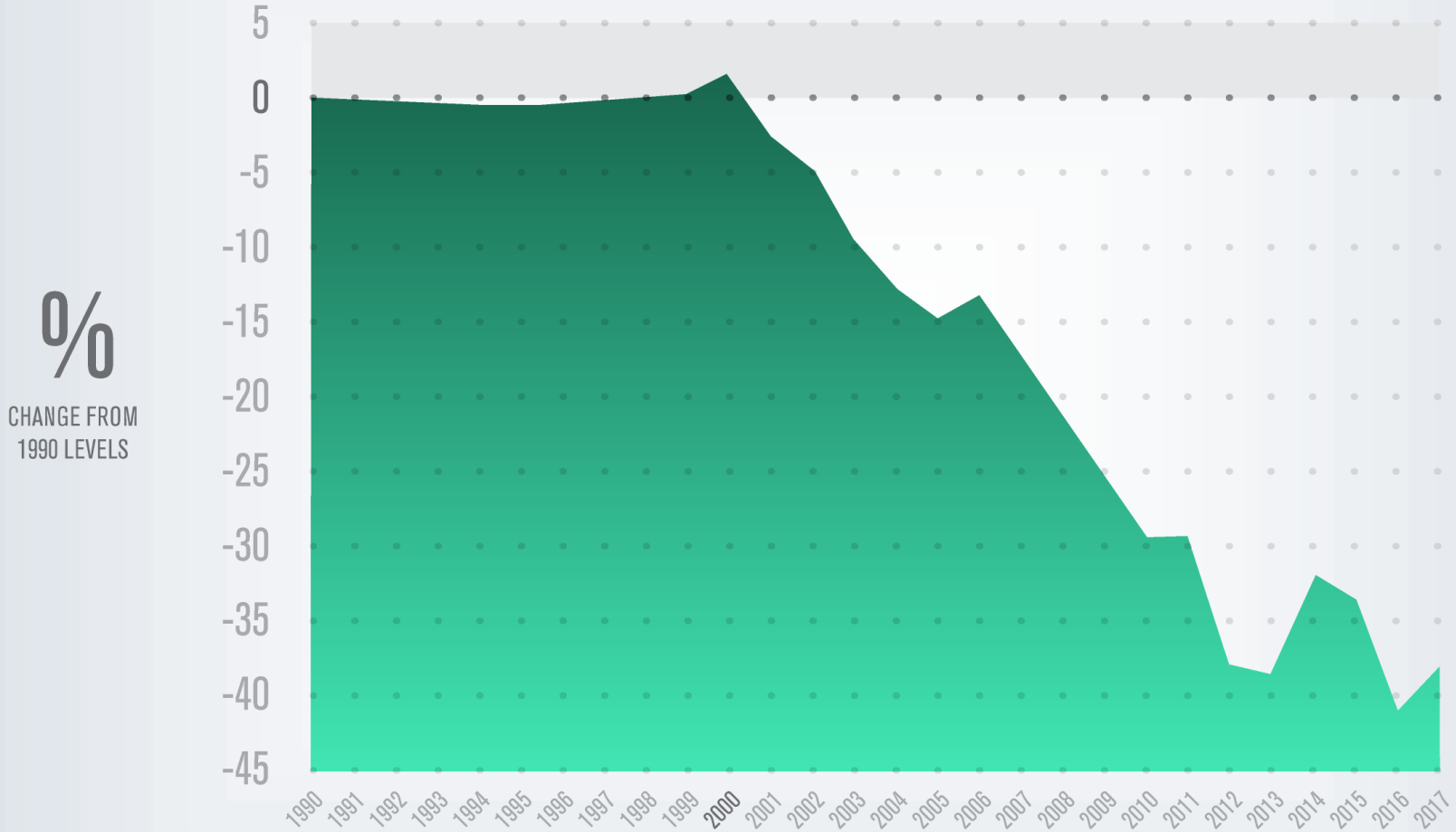


**2017 MULTNOMAH COUNTY CARBON EMISSIONS
BY SECTOR**

2017 EMISSIONS BY SOURCE

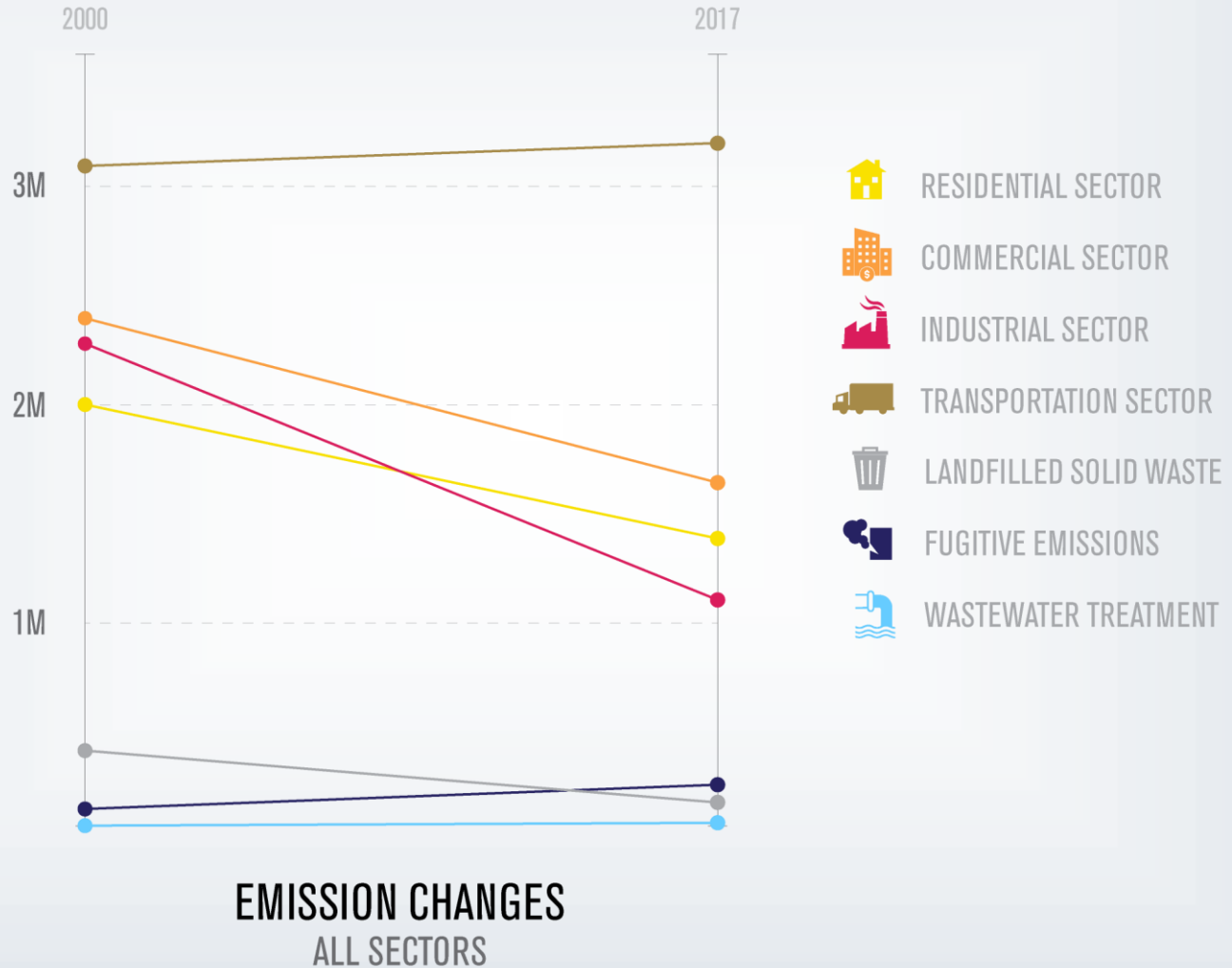


CHANGES IN MULTNOMAH COUNTY CARBON EMISSIONS PER PERSON



Transportation emissions have gone up, while all other sectors have gone down.

IN MILLIONS OF METRIC TONS OF CARBON DIOXIDE EQUIVALENTS (CO₂E)



Priority #1: Energy Efficiency

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

Priority #2: Renewables

- Historic focus on DG (rooftop solar through Solarize).
- Shifted focus to community solar since 2011.
- Renewable Resilient Power for Portland (R2P2).
- Electricity procurement for City electric operations
 - Going beyond RECs.

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.

Next Steps

- Carbon emissions standards for existing buildings.
- Embodied carbon, sustainable consumption and production strategy.
- Price on carbon.
- Exploring regulatory tools (land-use is key to mitigation.)
- Resilience (solar + storage microgrids).
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Follow-up:
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