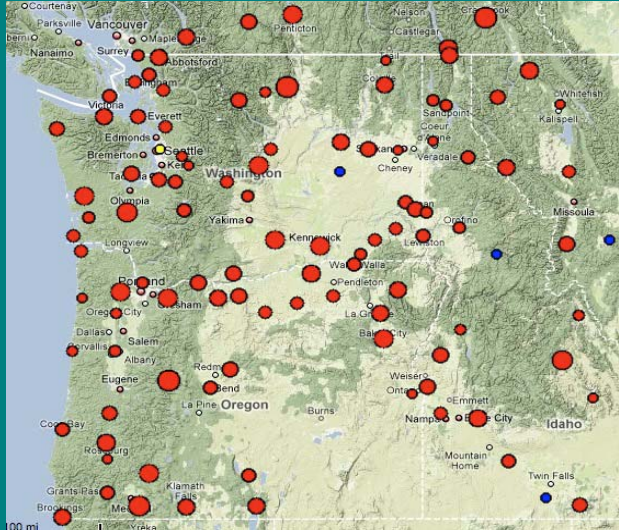


Scenario Planning and Targets for Reducing Greenhouse Gas Emissions



Climate Change



- Increase in annual temperature

- Decrease in summer water supply





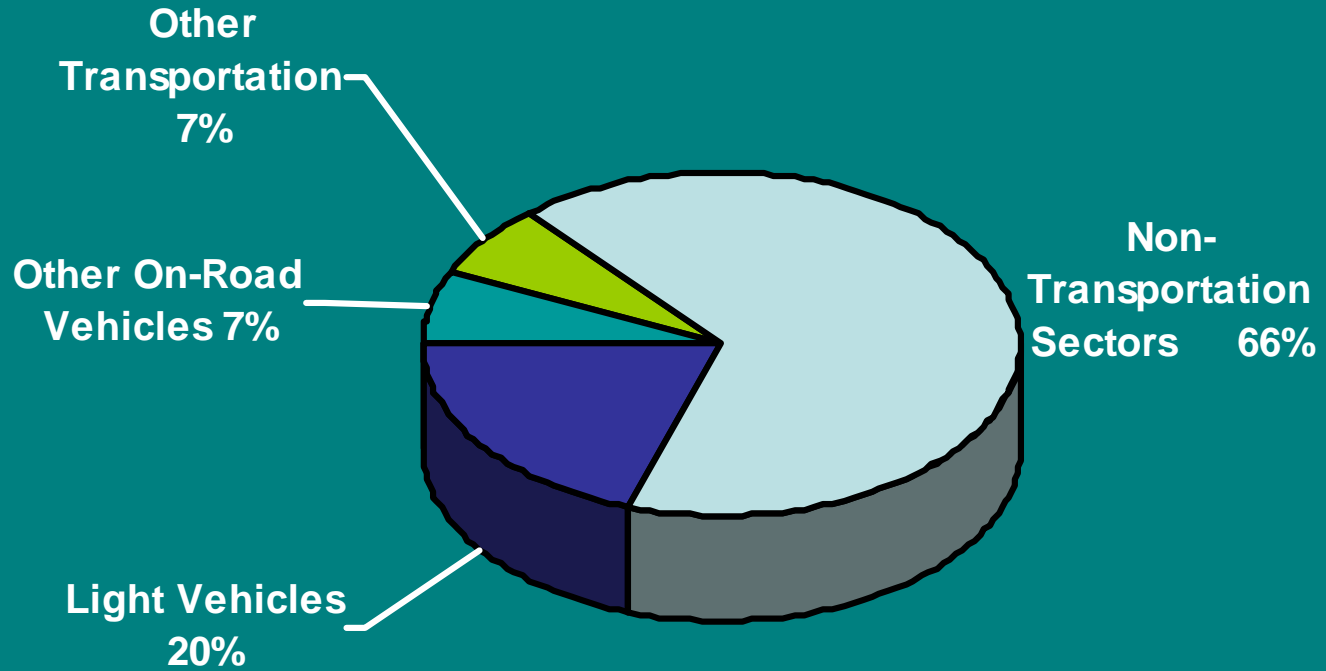
State GHG Goals

... to take necessary action to begin reducing greenhouse gas emissions in order to prevent disruption of Oregon's economy and quality of life

- 2010: stop growth of GHG emissions
- 2020: 10% below 1990 levels
- 2050: 75% below 1990 levels

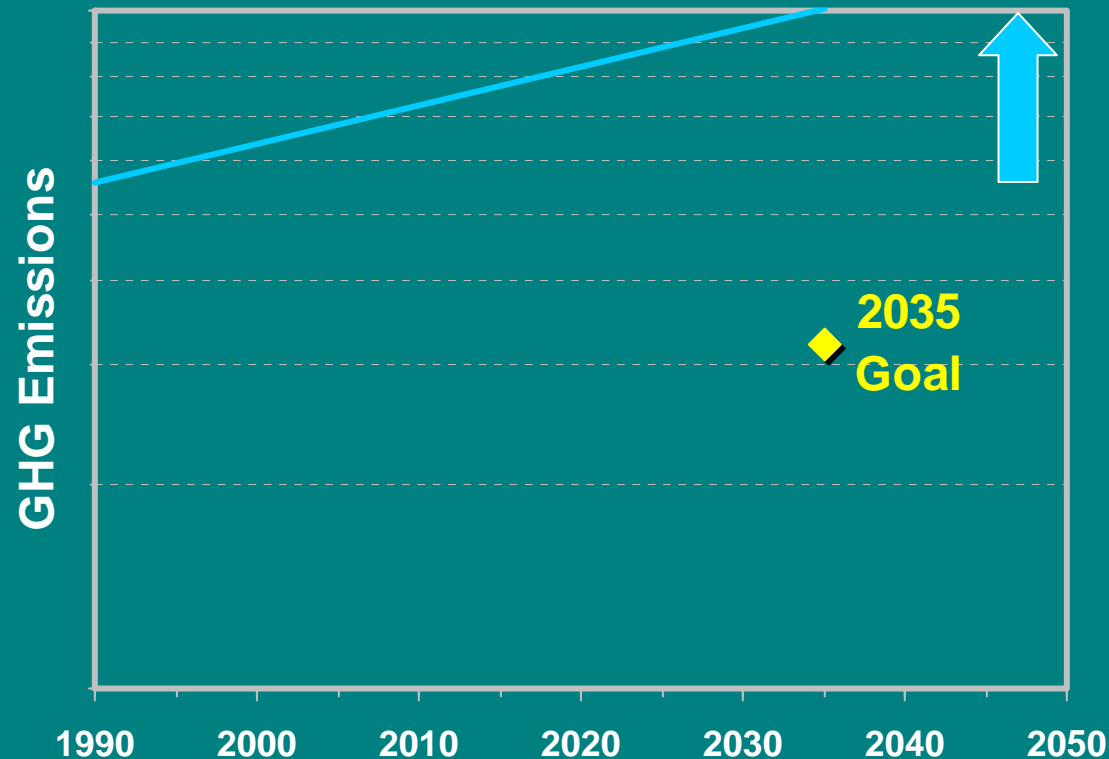
HB 3543 (2007)

Role of Light Vehicles



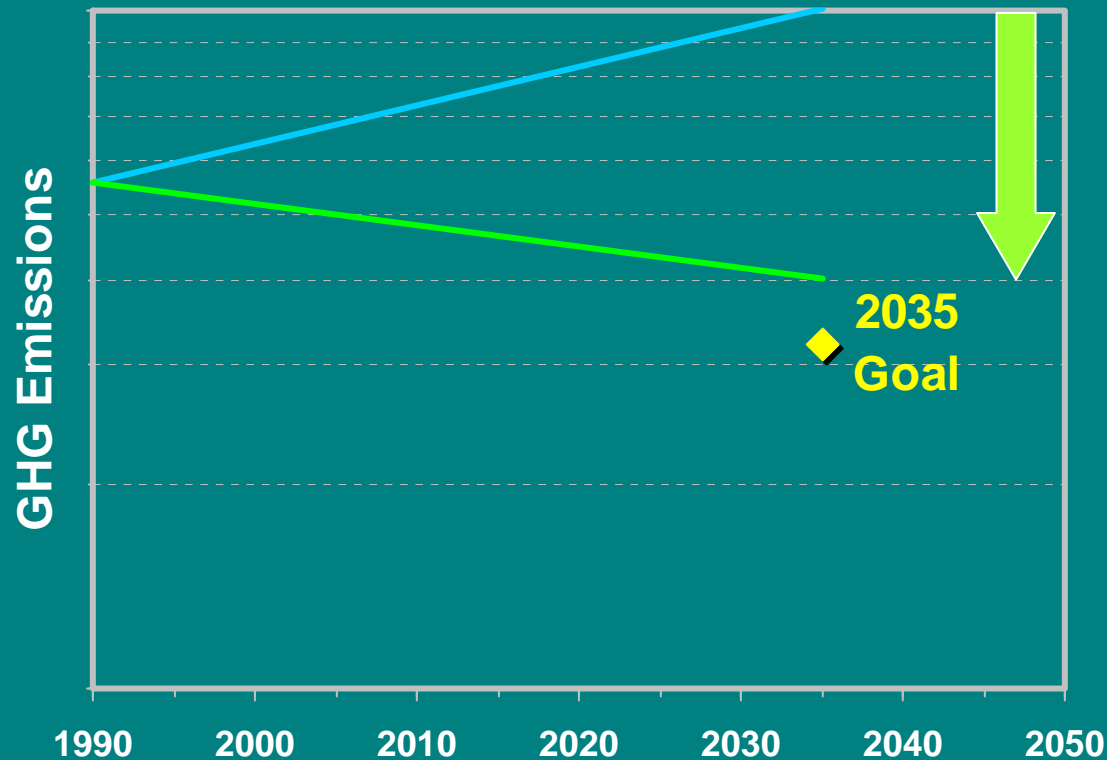
... 20% of Oregon's GHG emissions

Major Factors: Population Growth ...



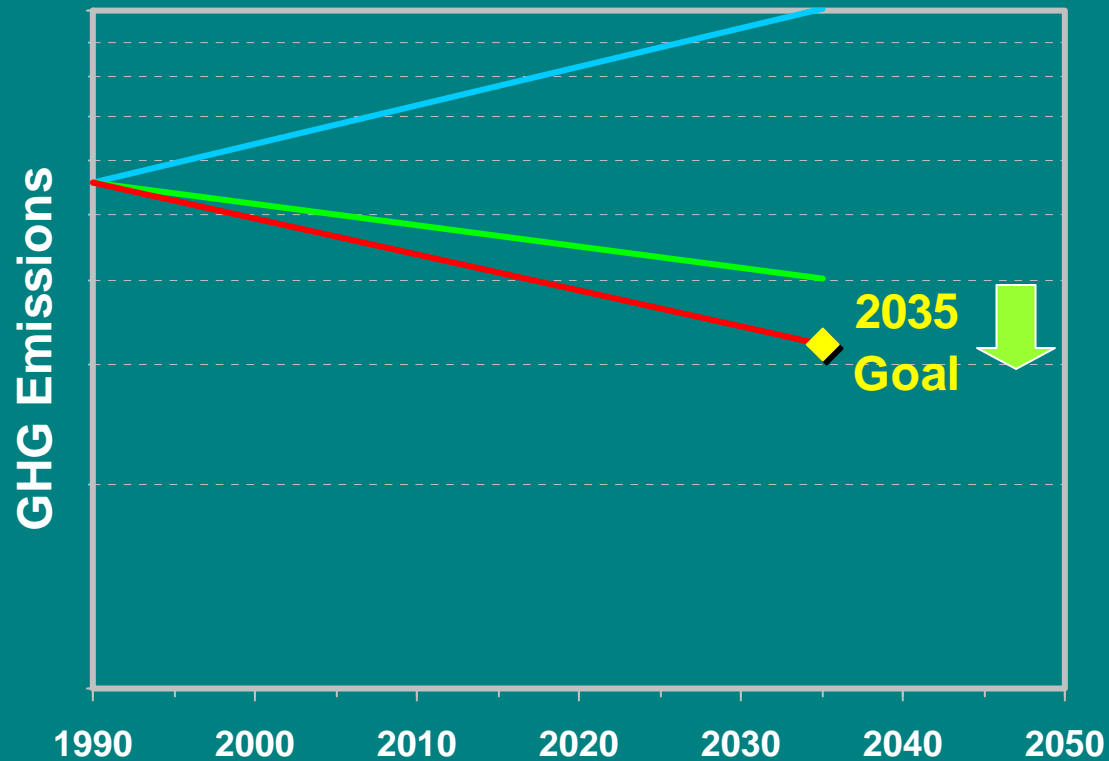
*... between 1990 and 2035
Oregon's population will grow roughly 80%*

...Technology helps



*... expected improvements in vehicle efficiency,
low-carbon fuels*

... Other Efforts needed



... more is needed to reach 2035 goal



Oregon Sustainable Transportation Initiative (HB 2001 & SB 1059)

State / Metropolitan Partnership:

- Statewide Transportation Strategy
- Metropolitan Scenario Planning



Statewide Transportation Strategy

■ Who & What:

- ODOT and OTC
- For the entire state
- To address all transportation modes

■ Recommends:

- Incentives for alternative modes
- Policies for reducing GHG
- Changes to transportation funding
- New programs

■ Results:

- Defines state role in reducing GHG
- Sets foundation for scenario planning



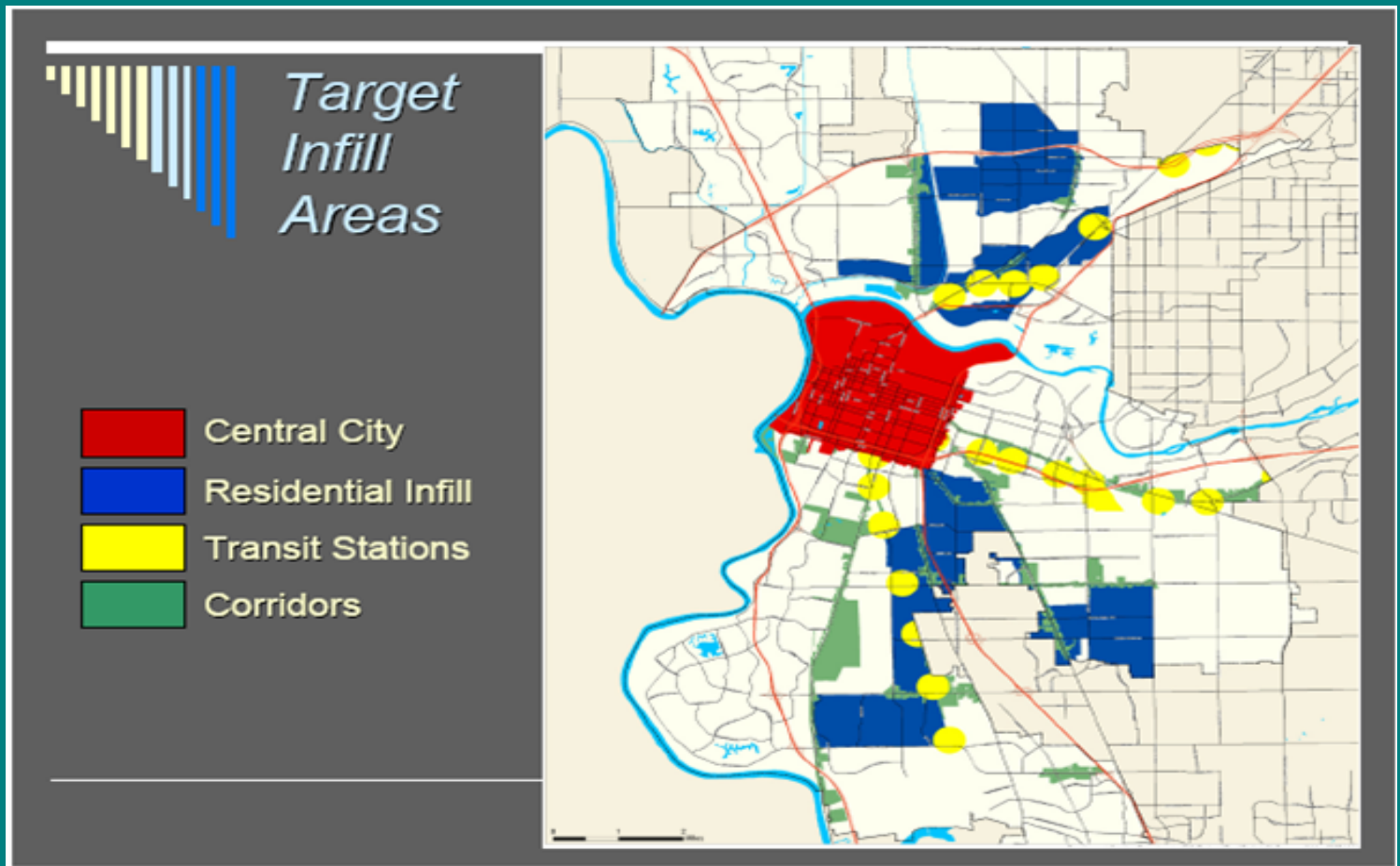
Metropolitan Scenario Planning

What would it take ...?

- **Who & What:**
 - Metropolitan areas
 - Figure out what it would take to meet targets
- **Explores:**
 - Land use and transportation options
 - Combination of actions which work best
- **Results:**
 - Preferred alternative/concept
 - Informs Legislature
 - Informs local plan updates

What Will Scenarios Look Like?

Integrated Packages of Land Use and Transportation Measures



Land Use

Emphasize Low GHG Development

- More infill and redevelopment in centers and corridors
- More mixed use and transit oriented development
- Higher densities for new development
- Reduced UGB expansion



Transportation

Expand Low GHG Options

- Incentives for using alternative modes and low GHG vehicles
- Complete pedestrian and bike networks
- Transit
- Parking management



Benefits of Scenario Planning



Meet changing housing needs



Reduce household transportation costs



Expand economic opportunities for Oregon communities



Support healthy, active lifestyles

Building on Existing Efforts





Scenario Planning Schedule

- **Portland metro area**
 - Prepare two scenarios by 2012
 - Select preferred scenario by 2014
- **Eugene-Springfield metro area**
 - Prepare two scenarios after 2013
 - Select preferred scenario by 2014
- **Other metro areas**
 - Not required to do scenario planning



State Assistance

- **Financing Report**
(submitted February 1)
- **Scenario Planning Guidelines**
Step-by-step guide
- **GHG Reduction Toolkit**
List of programs and actions for reducing GHGs



Next Steps

- March 1: Agencies Technical Report
- March 30: TRAC recommendations
- April 20–21 & May 19: LCDC hearings & adoption of targets