

Oregon Biofuel Development

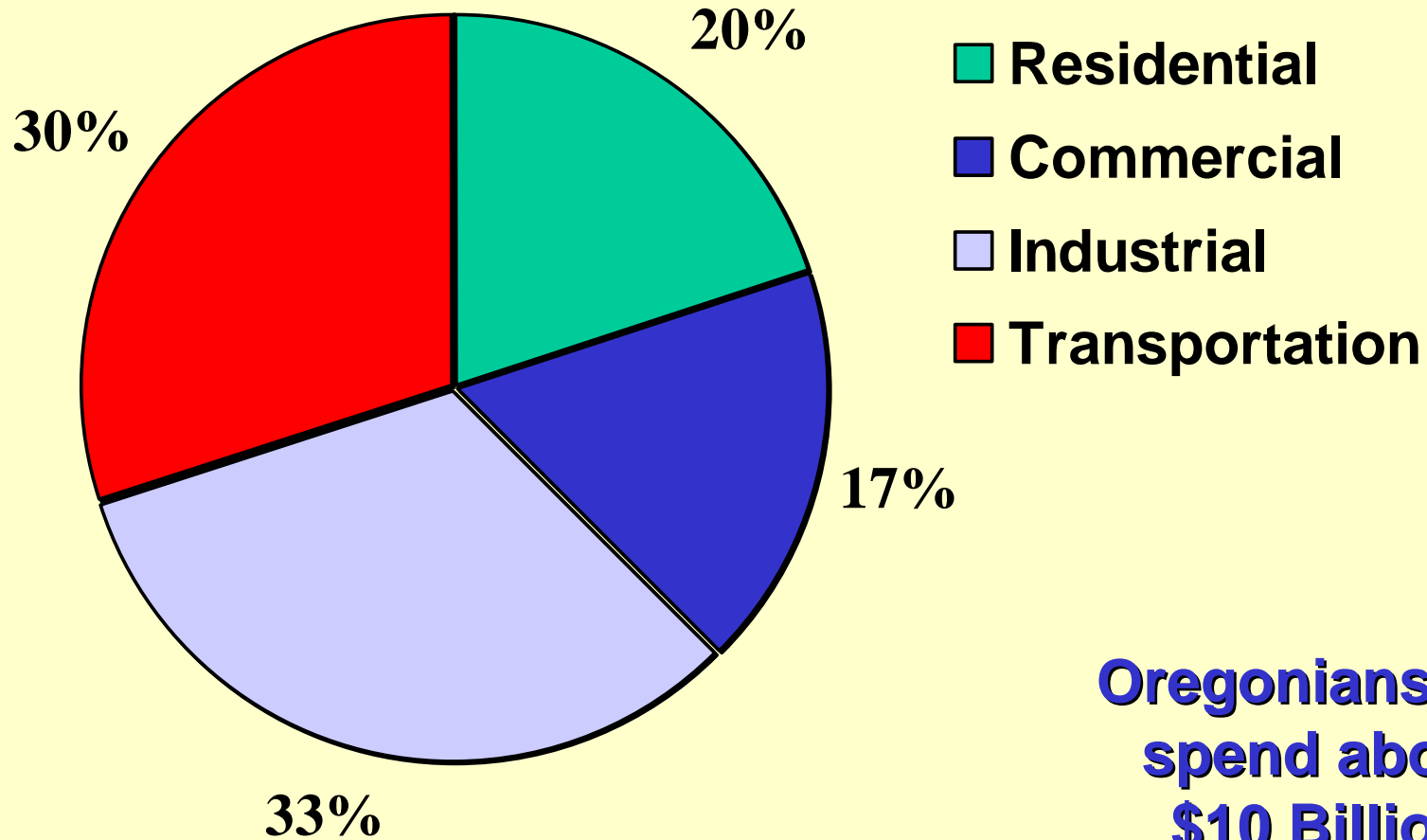
Justin Klure

Oregon Department of Energy

Renewable Energy Working Group

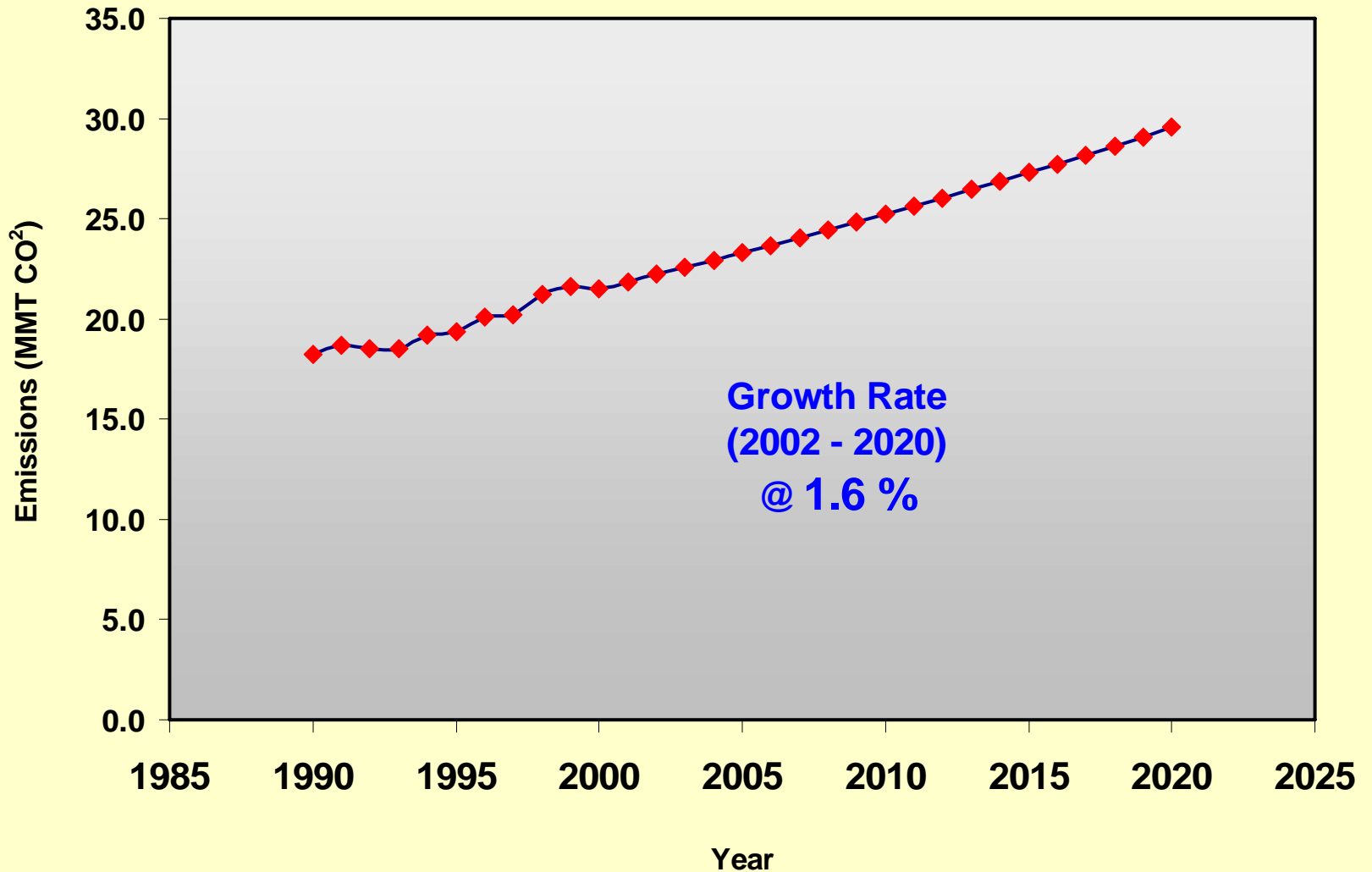
February 22, 2006

Oregon Energy Use by Sector



**Oregonians will
spend about
\$10 Billion
in 2006**

Transportation Trend



Biofuel Basics

- ❑ BioDiesel vs. Ethanol
- ❑ Current Uses/Users
- ❑ Blends
- ❑ Feedstock
- ❑ Vehicle Use
- ❑ Infrastructure



Current Biofuel Projects in Oregon

- ❑ Sequential Pacific
- ❑ Cascade Grain
- ❑ Treasure Valley
- ❑ Port of Morrow
- ❑ Umatilla Project
- ❑ Pendleton Wheat Growers
- ❑ Oil Crusher
- ❑ Other Biodiesel



Statewide Policy Directives

- ❑ Governor's Greenhouse Gas Reduction Strategy
- ❑ Oregon's Renewable Energy Plan
- ❑ Governor's Sustainability Executive Order
- ❑ State Legislature
 - 2005 Legislation
 - 2007 Legislative Concepts

Statewide Policy Goals

- ❑ Economic development for rural Oregon
- ❑ Increase renewable energy resources
- ❑ Reduce greenhouse gases
- ❑ Stimulate demand
- ❑ Diversify fuel portfolio
- ❑ Local feedstock production
- ❑ Strategic market development

Market Barriers

- ❑ Lack of fueling stations
- ❑ Transportation costs
- ❑ Production costs
- ❑ Consumer education
- ❑ Tax structure
- ❑ Siting issues
- ❑ Off-road use

Market Development

- ❑ Leverage private sector investment by delivering incentives
- ❑ Review technical issues
- ❑ Develop sound policy
- ❑ Remove institutional barriers
- ❑ Help business to obtain federal funding
- ❑ Independent review

Revised REAP Goals - State Fleets

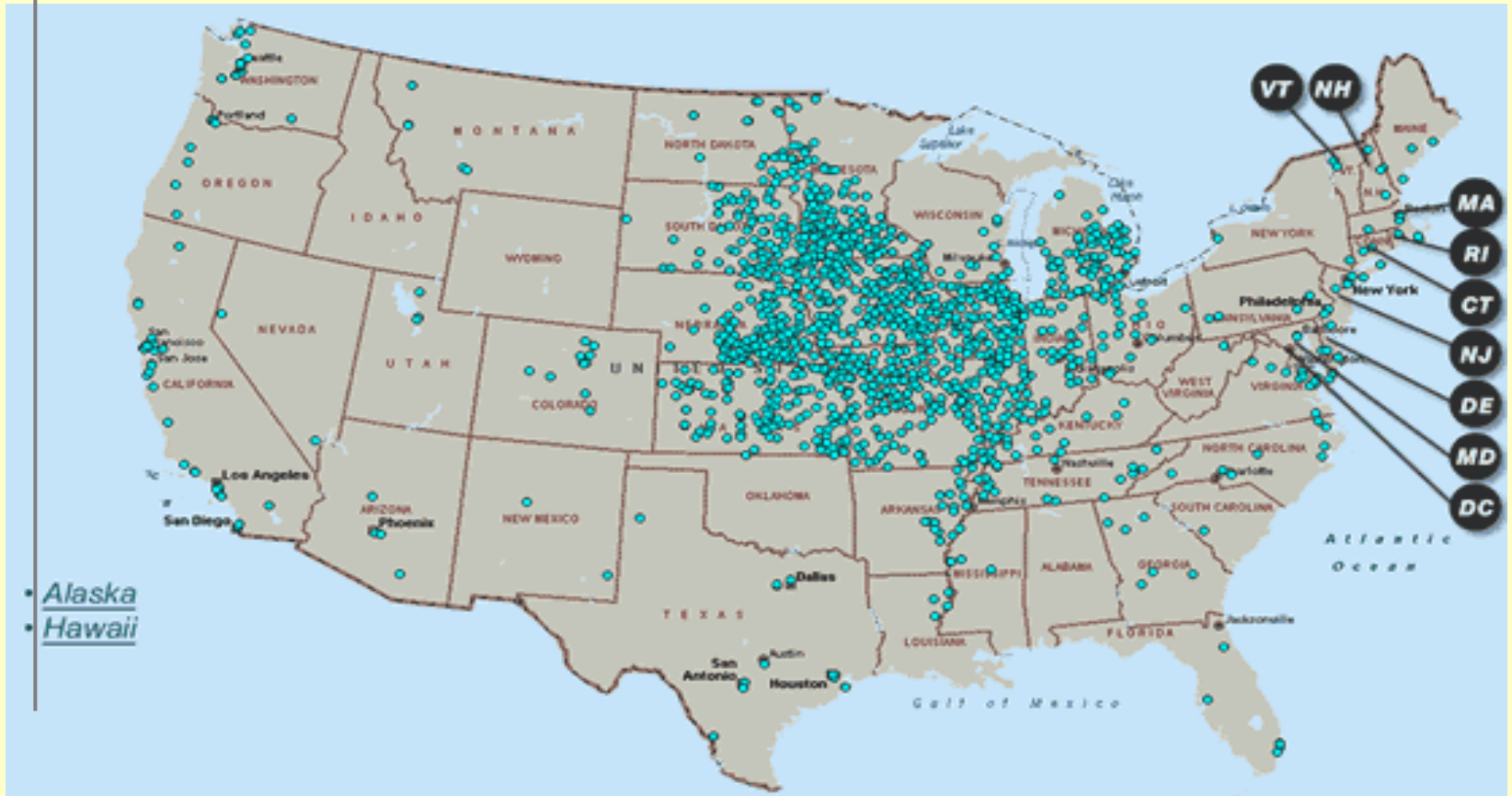
Long Term Goals - Transportation Fuels (pg.6)

- #4 100 % of the diesel used by state government's fleet vehicles will be B-20 by **2025**

Short Term Goals - State Government (pg.7)

- #2 **10 %** of the diesel used by state government's fleet vehicles will be B-20.

Biodiesel Distributors in USA



Source: National Biodiesel Board



- ◆ Based on Oregon's experience, we can limit CO₂ emissions and improve our economy.
- ◆ Education and efficient use of resources is essential.
- ◆ Renewable resources are Oregon's most beneficial resources.

