

# WESTCARB Annual Meeting

## Portland, Oregon

October 27, 2004  
Sam Sadler



OREGON  
DEPARTMENT OF  
ENERGY

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- ◆ **Climate Change Activities**

- ◆ **Governor's Advisory Group on Global Warming**

- ◆ **Draft “Oregon Strategy for Greenhouse Gas Reductions” posted on Web:**

[www.energy.state.or.us/climate/Warming/Draft\\_Intro.htm](http://www.energy.state.or.us/climate/Warming/Draft_Intro.htm)

- ◆ **Oregon's CO<sub>2</sub> standard for new energy facilities**

# Governor's Advisory Group on Global Warming

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## Governor's Advisory Group

- ◆ **Appointed by the Governor in early 2004**
- ◆ **Public and private representation (28 members) with support from technical subcommittees**
- ◆ **Final Advisory Group decisions in December**
- ◆ **Final report to Governor in January 2005**

# Governor's Advisory Group on Global Warming

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## Major Draft Recommendations

- ◆ **New Goals: 10% below 1990 levels by 2020  
75% below 1990 by 2050**
- ◆ **Meet Northwest Power and Conservation Council target of capturing at least 960 aMW of electricity savings and comparable savings of gas and oil.**
- ◆ **Develop about 130 aMW of renewable generation by 2006 and comparable or greater amount each biennium thereafter.**

# Governor's Advisory Group on Global Warming

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## Major Draft Recommendations

- ◆ **Convene task force to recommend to the 2007 Legislature a carbon content standard for delivered energy (electricity, gas, oil) on a schedule consistent with state goals.**
- ◆ **A renewable portfolio standard an alternate approach for electricity, with an assumption that it would be at least 25%.**

# Governor's Advisory Group on Global Warming

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## Major Draft Recommendations

- ◆ **Convene task force to recommend to the Governor, Environmental Quality Commissions and the 2007 Legislature a proposal for adopting greenhouse gas emission standards for new vehicles.**
- ◆ **Achieve waste disposal and recovery goals adopted in statute.**
- ◆ **Convene an Advisory Group in 2005 to address adaptation to climate change**

# Governor's Advisory Group on Global Warming

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## Draft Recommendations for Biological Sequestration

- ◆ **Reduce wildfire risk by creating a market for woody biomass from forests.**
  - ◆ **3.2 MMTCO<sub>2</sub>E in reductions in 2025 in addition to reductions in emissions from electricity mix**
- ◆ **Consider greenhouse gas effects in farm and forest land decisions.**
  - ◆ **0.6 MMTCO<sub>2</sub>E in reductions in 2025**
- ◆ **Increase forestation of under-producing lands.**
  - ◆ **0.5 MMTCO<sub>2</sub>E in reductions in 2025**

# Governor's Advisory Group on Global Warming

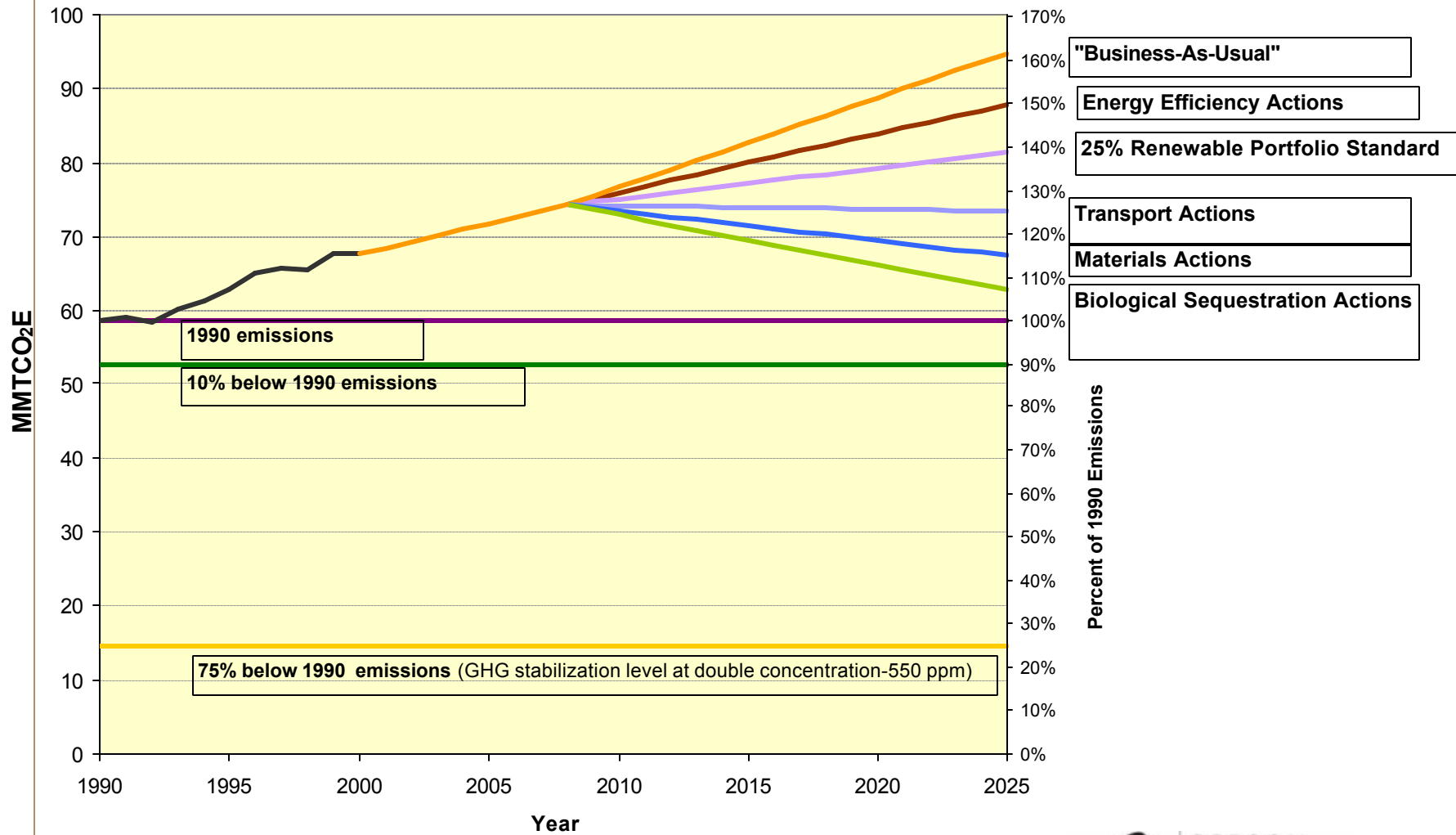
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## Draft Recommendations for Biological Sequestration

- ◆ **Expand application of water-erosion reducing practices for cereal production.**
  - ◆ **0.2 MMTCO<sub>2</sub>E in reductions in 2025**
- ◆ **Leverage the Conservation Reserve Program to expand reserved acreage.**
  - ◆ **0.2 MMTCO<sub>2</sub>E in reductions in 2025**
- ◆ **Establish a municipal street tree restoration program.**
  - ◆ **0.1 MMTCO<sub>2</sub>E in reductions in 2025**



# Historic and Forecast Greenhouse Gas Emissions in Oregon and Estimated Cumulative Reductions from All Measures in Sequence



# Oregon CO<sub>2</sub> Standard for New Energy Facilities

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- ◆ **Adopted by Legislature in 1997**
- ◆ **Performance standard of 0.675 lbs. CO<sub>2</sub>/kWh net emissions**
- ◆ **Monetary Path:**
  - ◆ **\$0.85 per ton excess emissions at 100% capacity factor over 30 years**
  - ◆ **Payable to The Climate Trust**
  - ◆ **All facilities have used this method**

## Oregon CO<sub>2</sub> Standard for New Energy Facilities

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- ◆ **The Climate Trust has purchased offsets from several bio-sequestration projects:**
  - ◆ **Deschutes Riparian Reforestation Project**
  - ◆ **Lummi Indian Tribe Preservation of 1,600 acres of forest land in Washington**
  - ◆ **Rainforest Reforestation in Ecuador**
- ◆ **Direct \$1.5 million to the Oregon Forest Resource Trust from an earlier proceeding**

## Contact

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