



# Climate Change Adaptation Recommendations

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# Background

- ▶ Forests are strongly influenced by climate and topography
- ▶ Increasing concentration of atmospheric carbon dioxide
- ▶ Climate change is a complex phenomena predicted to manifest primarily as an increase in average temperature, over several decades

# Purpose of the Work Plan

- ▶ Gather information from past work
- ▶ Identify options
- ▶ Position the agency to respond to change

# Context

- ▶ 25-year history (Attachment 1)
- ▶ Global Warming Commission
- ▶ Oregon Climate Adaptation Framework
  - ▶ ID major issues for each Division

# Overall Adaptation Approach



- ▶ Consider climate change in the context of regular agency business, planning, and budgeting
- ▶ Issues / Recommendations (Attachment 2)
  - ▶ Board
  - ▶ Protection
  - ▶ Private Forests
  - ▶ State Forests
  - ▶ Resources Planning

# Board

## Issue – Policy framework

### ▶ Recommendations

- ▶ When updating FPFO, or developing a new policy document, consider whether:
  - ▶ Modifications to Objectives that mention climate change
  - ▶ The issue of climate change should be expanded
- ▶ Climate change should be explicitly considered in the Board's regular business issues.

# Protection

## Issue: Increased risk of wildfire

### ▶ Recommendations

- ▶ Integrate climate adaption into future planning and budgeting
- ▶ Monitor changing fire risk
- ▶ Monitor the duration of fire season
- ▶ Coordinate with National Fire Plan
- ▶ Build upon current work to inform future assessments
- ▶ Explore funding opportunities for climate change preparedness planning

# Private Forests

Issues: Species migration, changes in hydrology, insect & disease

## ▶ Recommendations

- ▶ During review and revision of FPA standards (e.g., culver size) include climate
- ▶ Promote large-scale, long-term provenance research and monitoring (not assisted migration)
- ▶ Continue to monitor insect activity and forest mortality

# State Forests

## Issue: Land base management

- ▶ Recommendations
  - ▶ Review preparedness planning
  - ▶ As revenues permit, expand research and monitoring
  - ▶ Continue collaboration on adaptation planning
  - ▶ Consider climate change implications in forest management plans

# Resources Planning

## Issue: Research and Coordination

- ▶ Recommendations
  - ▶ Support the Global Warming Commission
  - ▶ Participate in interagency climate change groups
  - ▶ Integrated, long-term, large-scale monitoring of early-warning indicators
  - ▶ Continue large fire modeling projects
  - ▶ Maintain a bibliography of scientific publications
  - ▶ Play a liaison role for ODF

# Next Steps

- ▶ Accept recommendations / Close the work plan / Make adaptation part of regular business
- ▶ Continue to support Global Warming Commission
- ▶ Pursue additional science
- ▶ Keep the Board informed of about climate change issues relevant to the Board of Forestry as they emerge.