

Legislative Committee on Public Lands

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June 19, 2012

EXHIBIT F – LANDS

Document consists of 19 slides.

Entire Exhibit provided.

Meeting Date: 06-19-12

Changes in the Pinyon-Juniper Landscape

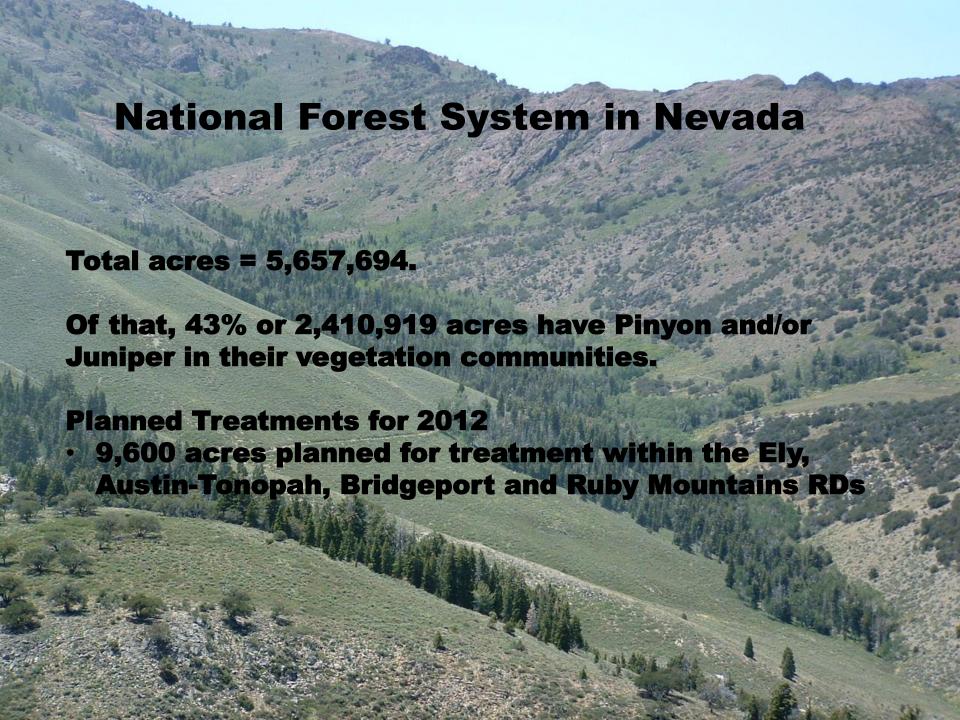
Woody species favor a warming climate. In the Great Basin this means accelerated growth and expansion of Pinyon-Juniper.

Vegetation changes are influenced by past management actions, current programs and management actions, climate change, and invasive species.

Wildlife habitat for key wildlife species, such as sage grouse, mule deer, and pygmy rabbits are being lost due to the expansion and increase in densities of Pinyon-Juniper.

Increased densities of Pinyon-Juniper also impact the hydrologic function of springs, meadows, streams and other riparian communities through surface water reduction.

A key factor in effective restoration of Pinyon-Juniper and sagebrush ecosystems is to take a landscape scale approach to implementation.



Treatment Costs

Treatment costs are a challenge to plan and implement projects at the scale that may be necessary to restore the landscape.

Central and Eastern Nevada Treatments Costs

- Hand Cutting Phase I Pinyon-Juniper with chainsaws = \$50/acre
- Prescribed fire in Phase I or II Pinyon-Juniper = \$50 \$100/acre
- Hand Cutting in Phase II Pinyon-Juniper with chainsaws = \$80 \$200/acre
- Mastication within Phase II Pinyon-Juniper = \$300 \$400/acre

Western Nevada Treatments

Hand cutting with chainsaws = \$200 - \$450/acre



Many areas identified for treatment provide opportunities for the utilization of biomass to meet restoration objectives and reduce treatment costs.

Biomass could be utilized for a variety of products such as fuelwood, biochar, wood pellets, other wood products used to produce heat and/or electricity.



PROJECTS

- North Schell Restoration Project
 - -24,000 + acres.
- Ward Mountain Restoration Project
 - Multi Agency planning
 - 120,000 acres on BLM, Forest Service, and Tribal
 Lands.
- Currant Creek Prescribed Burn
 - Over 4,000 acres treated.

Projects (cont.)

- Grant Quinn PJ Whacking Project
 - Decision- May 2012 to treat up to 15,000 acres.
- South Schell Pinyon-Juniper Project
 - Decision June 2012 to treat up to 15,000 acres.
- Adaven Prescribed Burn
 - Decision December 2012 to treat 5,000 acres.

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Projects (cont.)





Central White Pine Project After















