

# Example RPA Application: Analysis of S. 3068 Section 414

Steve Prisley, NCASI

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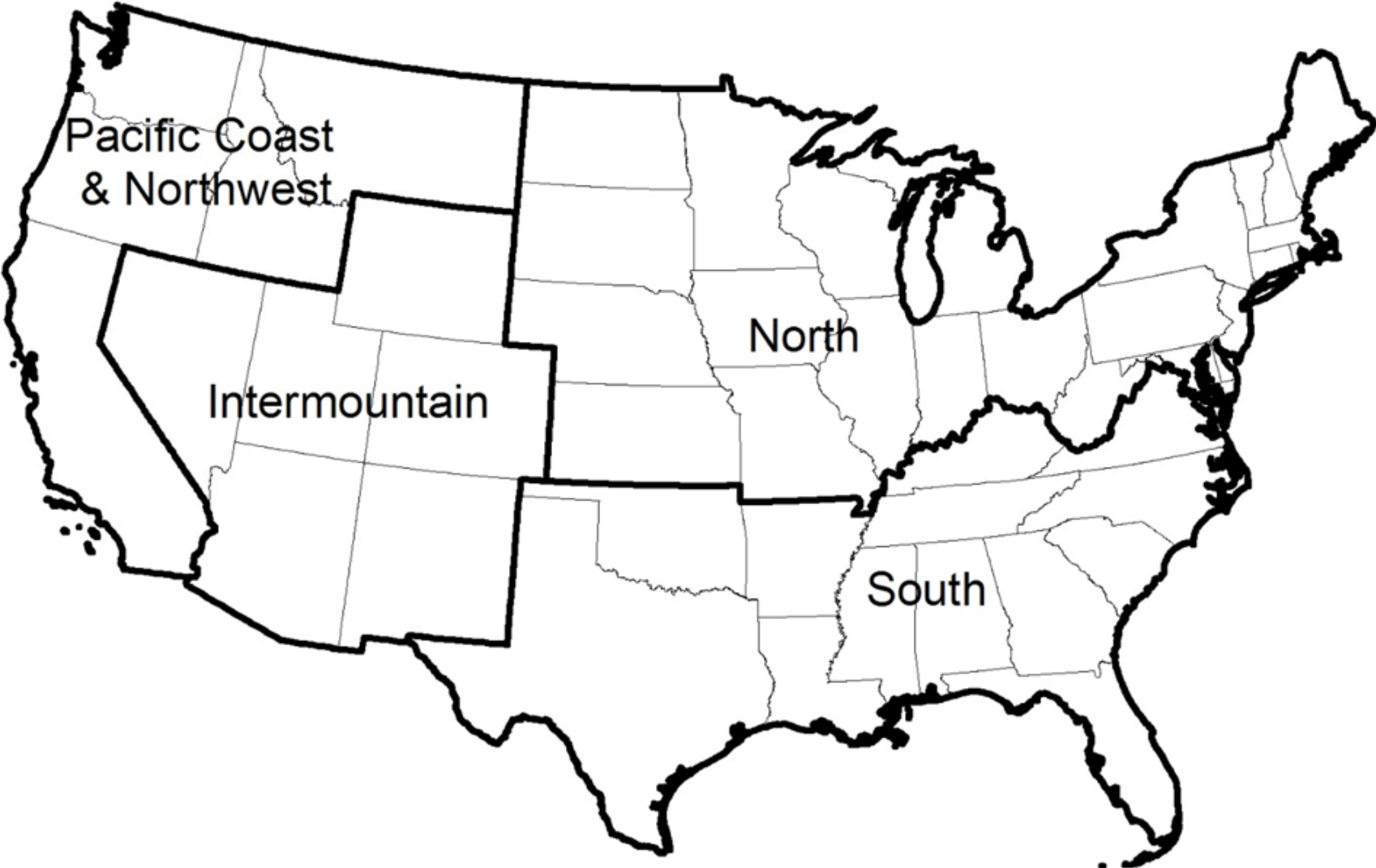
Madison, WI

## CARBON EMISSIONS FROM FOREST BIOMASS

SEC. 414. (a) IN GENERAL.—For any policy, regulation, or action of the Administrator of the Environmental Protection Agency (referred to in this section as the “Administrator”) specifically relating to carbon dioxide emissions due to the combustion of forest biomass from stationary sources, the Administrator shall provide that those emissions, including forest biomass carbon dioxide emissions from a facility that combusts forest biomass for energy, do not require regulation, control, or action if—

(1) the Secretary of Agriculture (referred to in this section as the “Secretary”) determines, based on the most recent annual assessment of forest and timberland carbon stocks derived from the Forest Inventory and Analysis data of the Department of Agriculture, that timberland carbon stocks in the relevant region, as described in subsection (b), are stable or increasing as compared to the assessment of timberland carbon stocks for that region based on the relevant average timberland carbon stock assessment baseline described in subsection (c); or

# Assessment Regions



# Baseline & Assessment Periods

<b>For application during the period:</b>	<b>Use baseline stocks from:</b>
Enactment to Dec. 31, 2029	Average of 2006 - 2015
Jan. 1, 2030 to Dec. 31, 2039	Average of 2016 - 2025
Jan. 1, 2040 to Dec. 31, 2049	Average of 2026 – 2035
Etc.	

# Analysis

- Use RPA projections of C stocks from GTR-WO-94, 9/16
- 3 scenarios: reference, low and high (land use change)
- Simulate baselines and evaluate “surplus” stock in excess of baseline by region
- If surplus < 0, emissions regulations are triggered

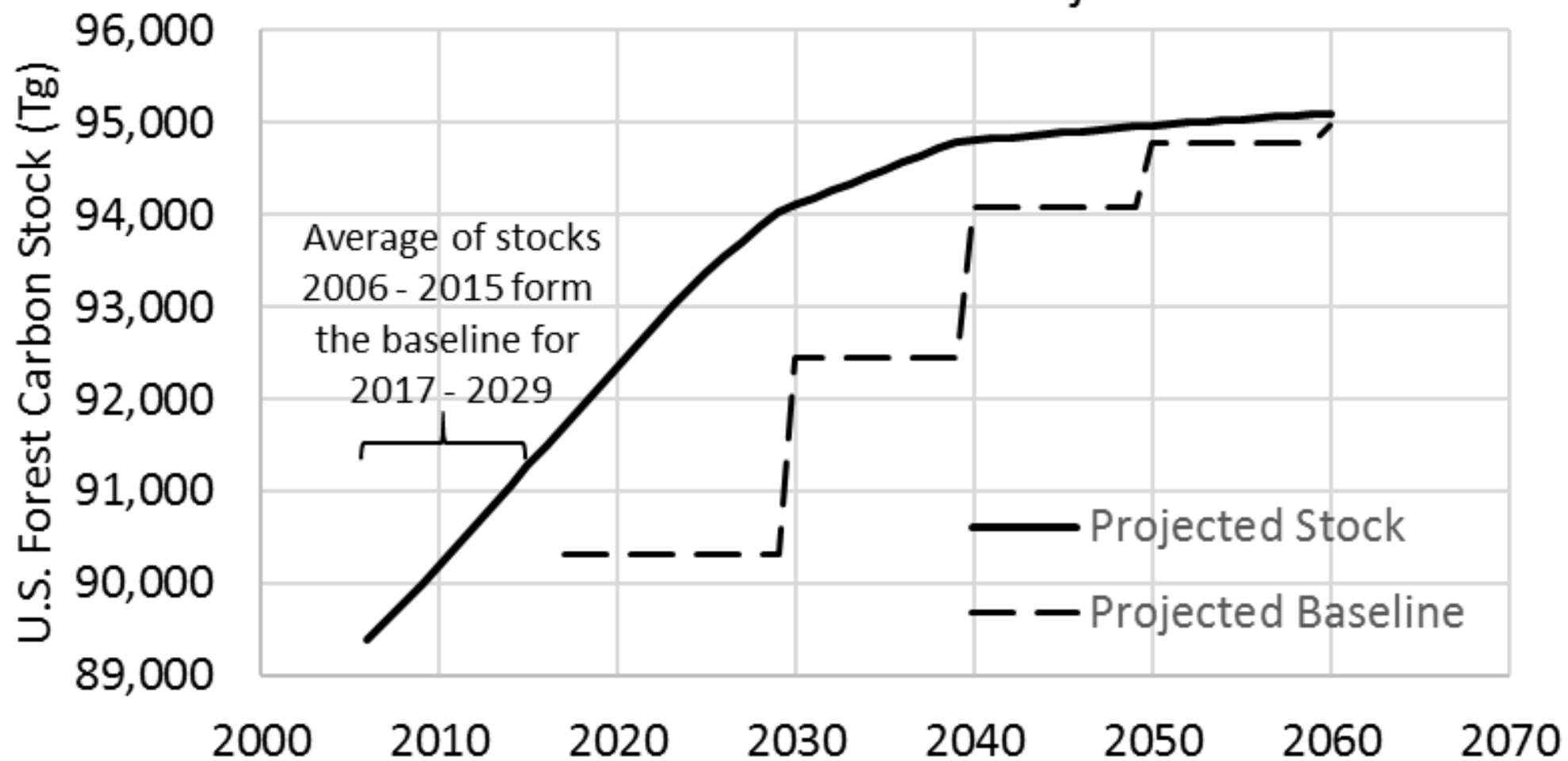
## Future of America's Forests and Rangelands

Update to the Forest Service  
2010 Resources Planning Act Assessment

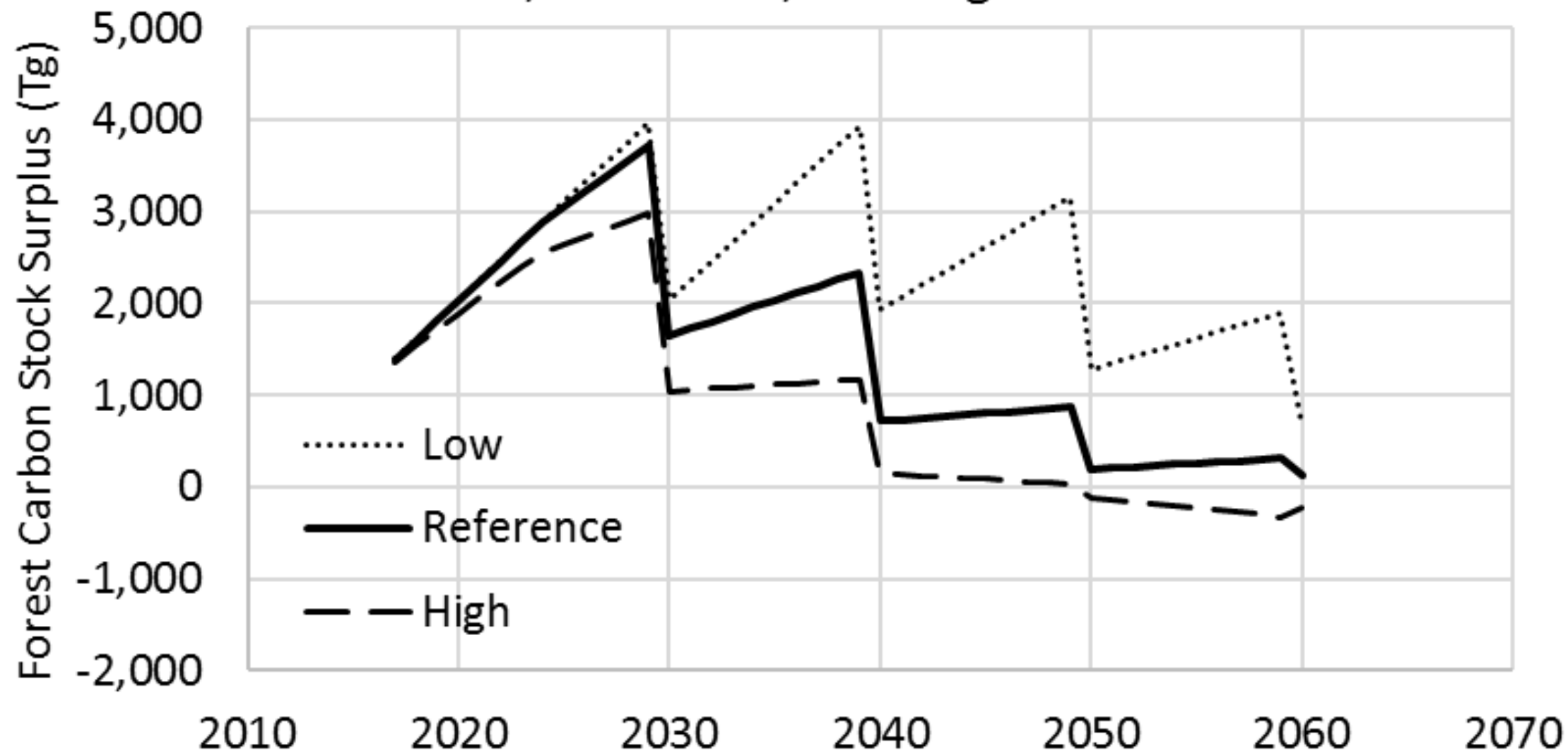


*Caveat: Legislation refers to timberland carbon stocks; RPA used forest land C stocks*

## Section 414 Forest Carbon Stock Assessment for RPA Reference Scenario Projections



## U.S. Forest Stock Surplus over Baselines for Low, Reference, and High Scenarios



# Results: Years in which projected regional stocks fall below baselines

<b>Region</b>	<b>RPA Low Scenario</b>	<b>RPA Reference Scenario</b>	<b>RPA High Scenario</b>
North	-	-	2040
South	-	-	-
Intermountain	2060	2040	2032
Pacific Coast & Northwest	-	-	-
<b>US</b>	-	-	2048