

# ASCENT Project 001(A)

## Alternate Jet Fuel Supply Chain Analysis



### Washington State University

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### Objective:

Quantify the impact of existing and proposed state and federal U.S. policy on SAF MSP for  $n^{\text{th}}$  and pioneer plants.

Combine the impact of various policies for three pathways and multiple feedstocks.

### Project Benefits:

Policy scenarios inform users on the impact of various policies and the investment required to reach price parity with petroleum jet fuel.

### Research Approach:

Harmonized TEA spreadsheets were updated to include multiple U.S. centric policy support tools for both  $n^{\text{th}}$  and pioneer plants.

Both federal and state policy support in the U.S. was surveyed. The resulting data was included in MSP calculations to help determine the effectiveness of existing and proposed policies in bringing SAF to price parity with petroleum jet fuel.

The impact of CI differences were highlighted through the impact of policy support and the resulting MSP.

### Major Accomplishments (to date):

A publication in the Frontiers in Energy has been accepted.

Policy support work was used to inform U.S. Congress Committee around the discussion for an SAF BTC.

### Future Work / Schedule:

Continue to support stakeholders on impacts and costs of policies that support SAF.

Ensure the policy support portion of the TEAs can easily be utilized by locations outside of the U.S.