

Transportation and Land Use

Research Recommendations

Presented to: Research Needs Working Group

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Federal Aviation
Administration



Research Recommendation Overview

- **Life-cycle impacts of GHG emissions for alternative fuels**
- **Reduction of GHG emissions through coordination of transportation networks and commercial fishery openings.**
- **GHG emissions for future transportation planning in Alaska.**
- **GHG emissions from newer marine engines in Alaska.**

Life-cycle impacts of GHG emissions for alternative fuels

- **Bio diesel**
- **Ethanol**
- **Natural gas**
- **Develop tool**
- **Alaskan environment and conditions**
- **Production**
- **Transportation**
- **Use**

Reduction of GHG emissions through coordination of transportation networks and commercial fishery openings.

- **Multi modal assessment of potential for coordinating transportation networks**

GHG emissions for future transportation planning in Alaska.

- **Develop tools to assess future planning scenarios as they relate to GHG emissions**
- **Use system approach to transportation planning with a focus on reducing GHG emissions**
- **Collaborate between transportation modes**

GHG emissions from newer marine engines in Alaska.

- **Particulate from new marine engines are lower than older models**
- **Assess the impact of these engines on GHG emissions**

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comments and input, please

