



Alaska Carbon Reduction Strategy

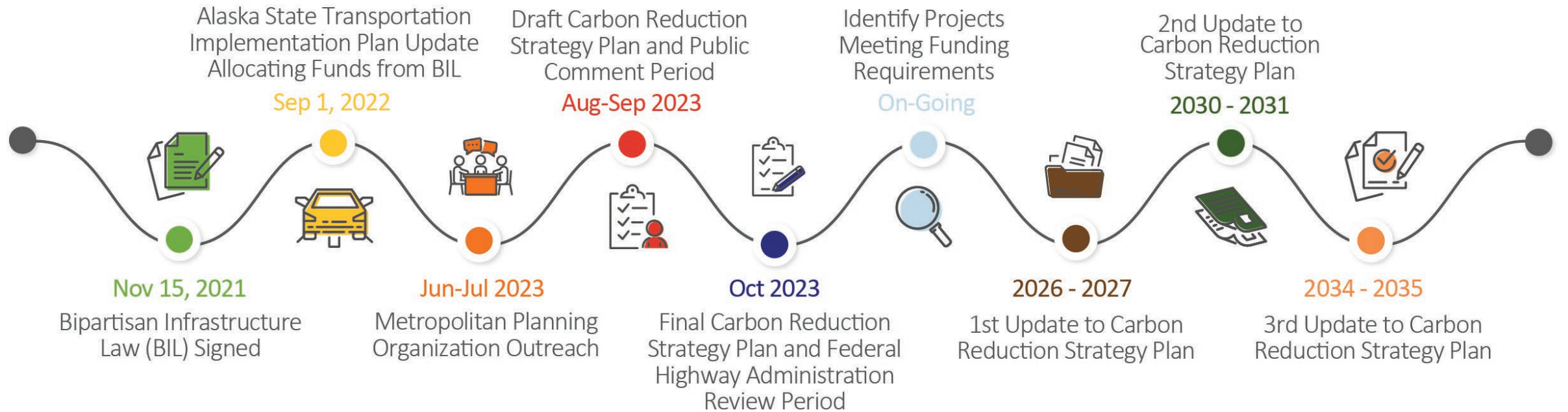
AMATS

Technical Advisory Committee

July 13, 2023



Introduction and Overview



Purpose – CRP Eligible Projects



1

Transportation Alternatives and Complete Streets

Alternative fuels, mass transit, active transportation including on-road and off-road trails, HOV lanes

2

Congestion Management and Technology Solutions

HOV lanes, advanced crash warning, roundabouts, intelligent technology solutions

3

Energy Consumption Reduction

LED lighting for facilities including at ports, diesel engine retrofits, street light and traffic control replacement with energy efficient alternatives, installation of EV charging along highways and at ports, fleet replacement with zero-emission vehicles, ferries, and equipment.

4

Construction Practices

Replacement of construction vehicles and equipment with zero-emission alternatives

5

Planning and Performance Measurements

State adoption or development of State Carbon Reduction Strategy, baseline measurements of carbon emissions, and performance measurements of carbon emissions resulting from CRP projects

CRP Strategy Requirements and Goals



REQUIREMENT



Support efforts—and identify projects and strategies—to support the reduction of transportation emissions

REQUIREMENT



At the State's discretion, quantify the total carbon emissions from production, transport, and the use of materials used in the construction of state transportation facilities in the state

REQUIREMENT



Be appropriate to the population density and context of the State, including any MPOs designated within the State

GOAL



Reduce single-occupant vehicle trips

GOAL



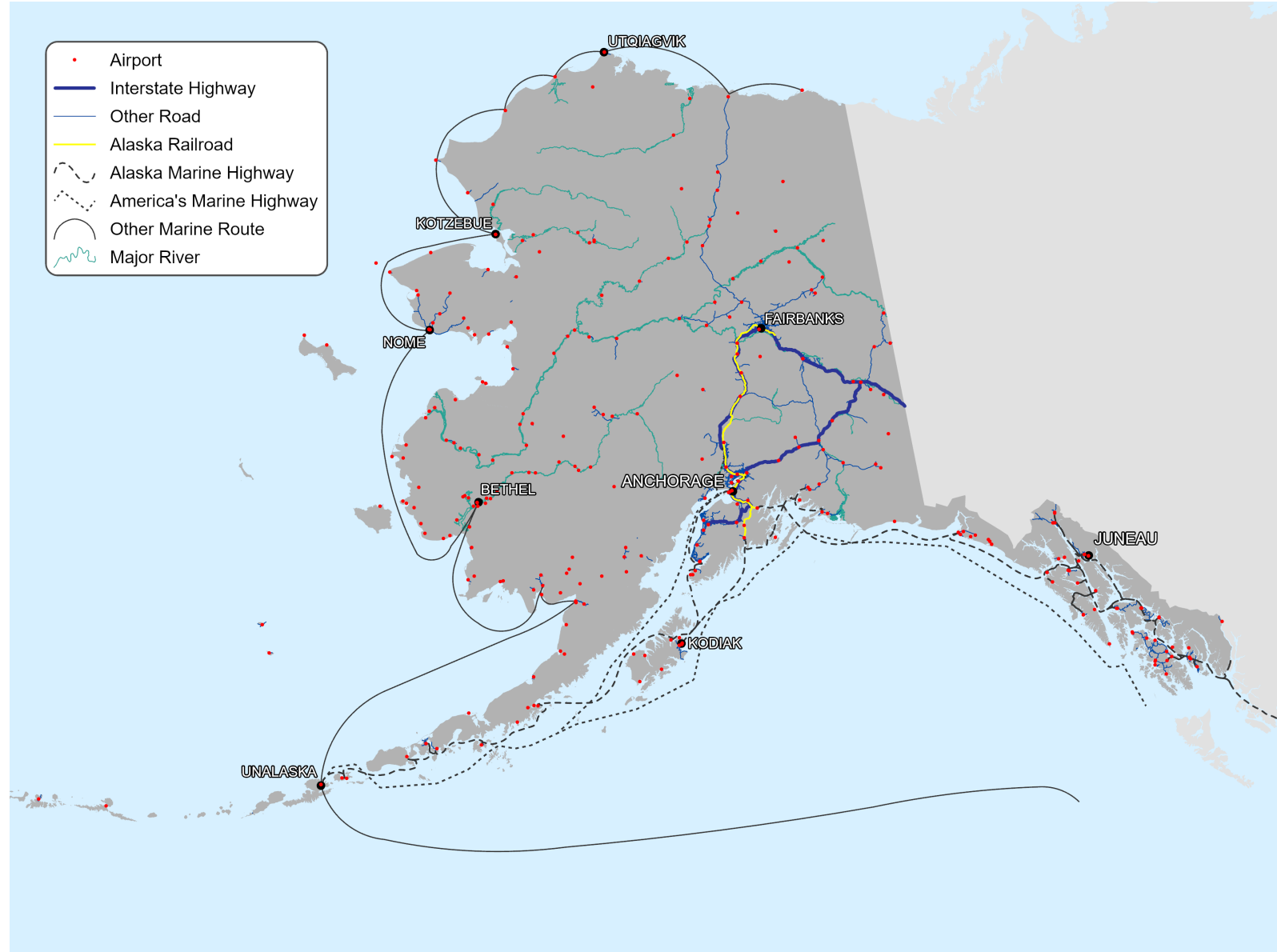
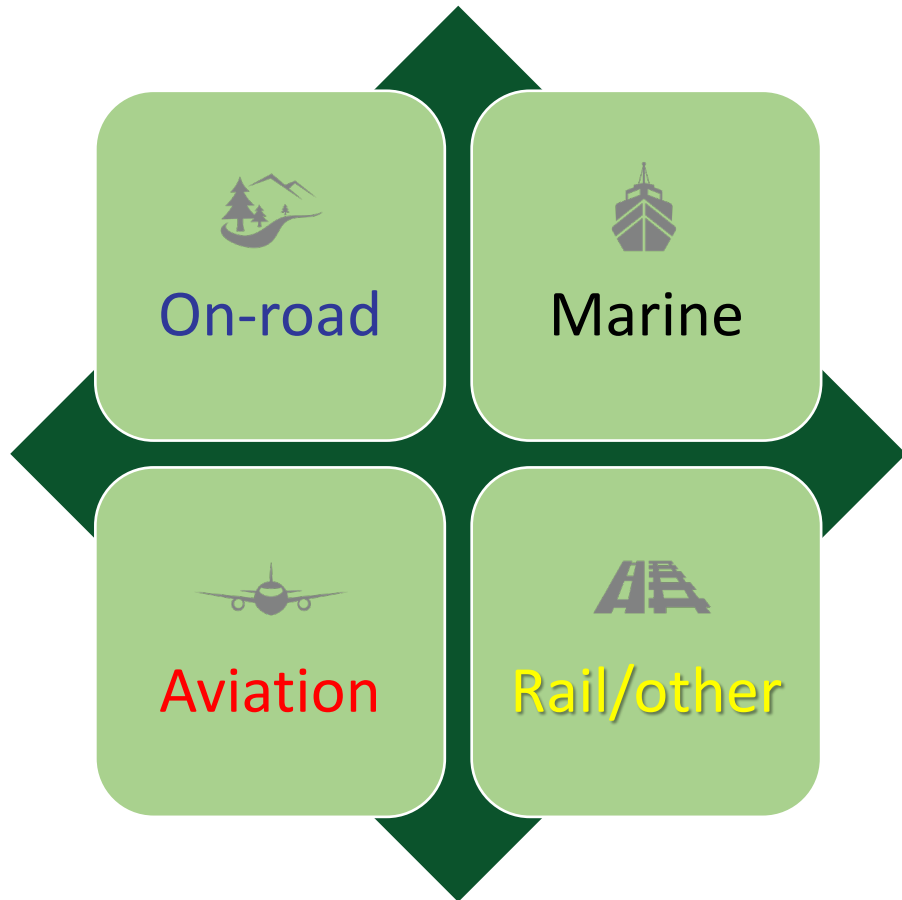
Facilitate the use of vehicles or modes of travel that result in lower emissions

GOAL



Facilitate approaches to construction that result in lower emissions

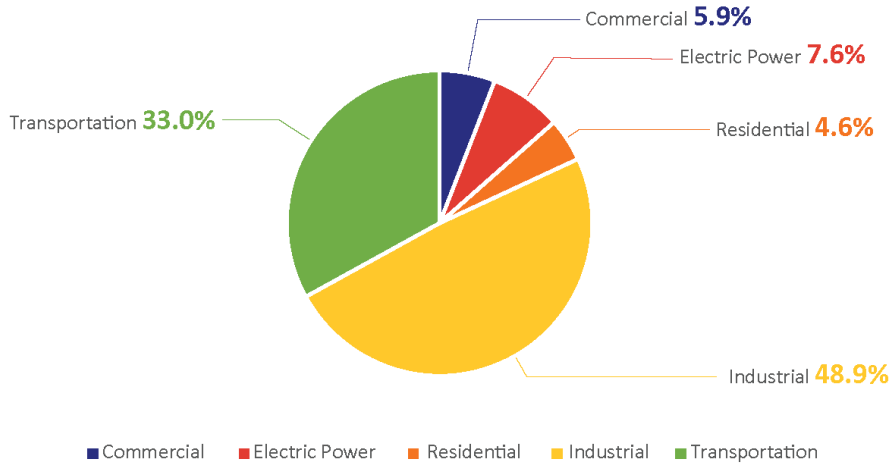
Alaska Context – Transportation Setting



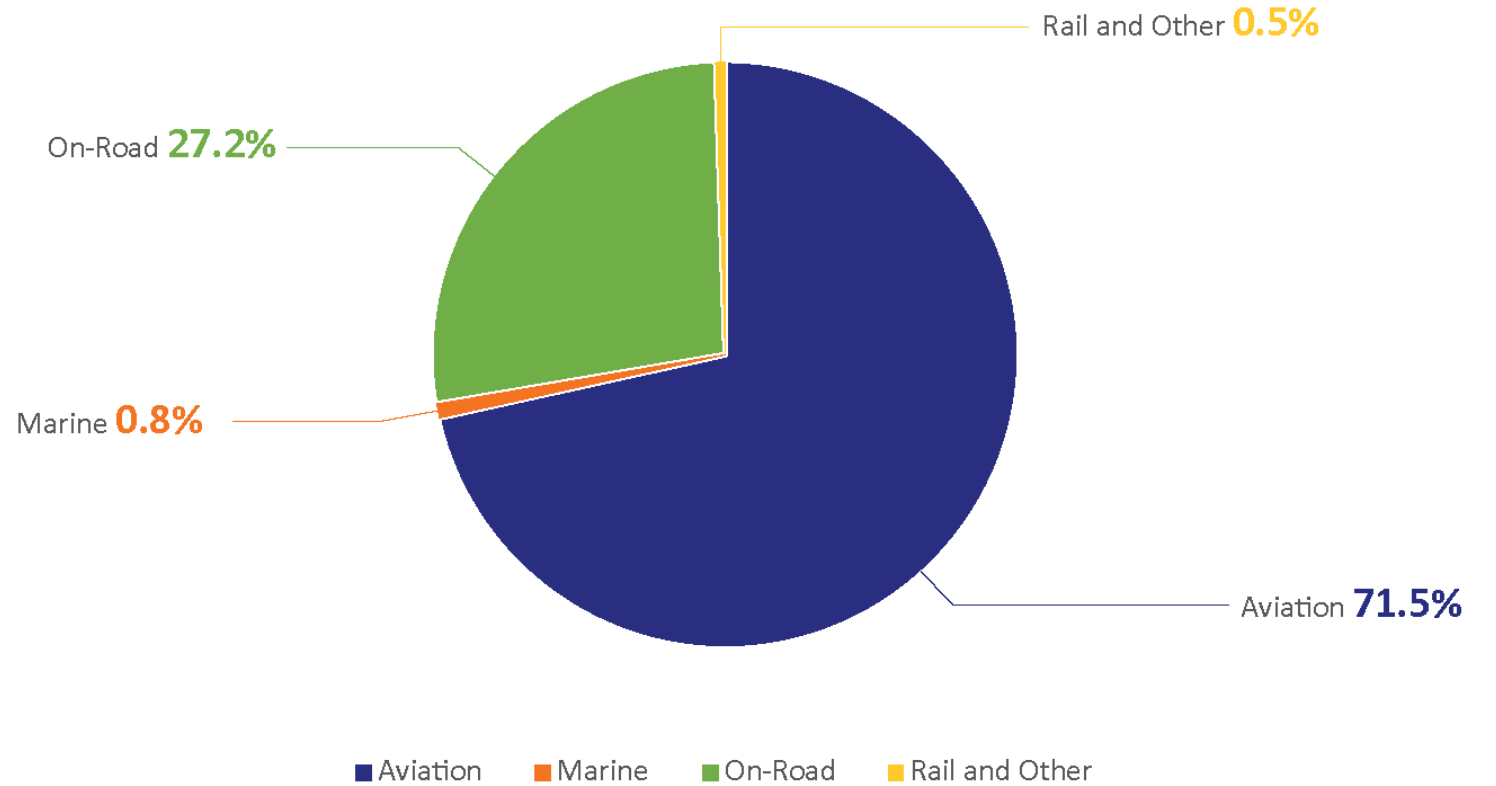
Carbon Existing Conditions



Alaska CO₂ Emissions by Economic Sector in 2020



2015 Percent CO₂ Emissions by Mode of Transportation



CRP Summary of Available Funds for Alaska



Urbanized Areas	FY 2022-2026
Metropolitan Planning Organizations (Anchorage Metropolitan Area Transportation Solutions and Fairbanks Area Surface Transportation)	\$29.0 million
Small Urban and Rural Areas	\$24.0 million
Statewide	\$28.6 million
Total	\$81.6 million

All dollar amounts are estimates and are subject to change.
Local match is required. Federal-aid requirements for project delivery apply.

Alaska Project Categories and Strategies



STIP Designee	FY 2022	FY 2023	After 2023
AMATS	\$3,579,164	\$3,704,518	\$7,300,000
FAST Planning	\$919,040	\$944,267	\$2,000,000
Statewide	\$11,067,686	\$11,322,414	\$22,700,000
Total	\$15,565,890	\$15,971,199	\$32,000,000

Task Schedule



Alaska Carbon Reduction Strategy Plan Development 2023



AMATS Carbon Reduction Goals Discussion



AMATS Ideas:



- In the Anchorage metropolitan area, what specific concerns do you have?
- Do you have any preliminary ideas on strategies to reduce carbon emissions in the area?
- What strategies would be most effective in the area?
- What public outreach would you suggest for the area?
- What types of projects would you suggest?



Thank you!

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