Catalog of State Actions
Transportation and Land Use Technical Working Group

A catalog of state-level, GHG-reducing actions and policy options based on actions undertaken or considered by state, local, and private actors.

Option No.	GHG Reduction Policy Option	Potential GHG Emissions Reduction	Cost per Ton	Externalities, Feasibility Considerations	Priority for Analysis	Notes / Related Actions in AK
T-1	**ON-ROAD VEHICLE TECHNOLOGY**					
1.1	Clean Car Program ("Pavley" GHG standards for autos)					
1.2	Fuel-Efficient Tires					
1.3	Heavy-Duty Vehicle Fuel Efficiency Improvements					
1.4	Vehicle Purchase or Registration Incentives (registration fees, tax credits, feebates, etc.)			Federal Tax Code provides tax credits for alternative fuel vehicles		
1.5	Incentives to Retire or Improve Older High-GHG Vehicles (passenger or freight)					
1.6	Promotion of Electric Vehicles					
1.7	Promotion of Natural Gas Vehicles					
1.8	Promotion of Low-GHG Refrigerants					
1.9	Promotion of Engine Block Heaters					
T-2	**VEHICLE OPERATION AND SYSTEM EFFICIENCY**					
2.1	Lower and/or Enforce Speed Limits					
2.2	Vehicle Maintenance, Driver Education (e.g., tire inflation)					

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2.3	Vehicle Idling Regulations and/or Alternatives (e.g., electrification)					AK DOT has installed weigh-in-motion and electronic clearance technology at the busiest weigh station (outbound Glenn Highway station in Anchorage).
2.4	Transportation System Management					Alaska DOT is developing a plan for expanded use of ITS technologies in both the Glenn/Parks and Seward corridors.
2.5	Encourage Freight Movement by More Energy Efficient Modes s					
2.6	Improved Weather Information					FAA and DOT&PF have installed a significant number of weather stations and cameras, and this data is widely available to the traveling public.
T-3	**ALTERNATIVE FUELS**					
3.1	Low Carbon Fuel Standard					
3.2	Renewable Fuel Standard (ethanol and/or biodiesel)					
3.3	Alternative Fuel Mandates for Fleets					
3.4	Alternative Fuel Production Incentives and Research					
3.5	Alternative Fuel Infrastructure Development					
T-4	**TRAVEL DEMAND MANAGEMENT**					
4.1	Promote Efficient Development Patterns (Smart Growth)					
4.2	VMT and GHG Reduction Goals in Planning					
4.3	Ridesharing and Transit Promotion					
4.4	Expand and/or Improve Existing Transit Service					
4.5	Bike and Pedestrian System Improvements					

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4.6	Pay-as-You-Drive Automobile Insurance					
4.7	Telecommuting and Short Work Week					
T-5	**AIRCRAFT AND AIRPORT STRATEGIES**					
5.1	Aircraft Efficiency Improvements					
5.2	Aircraft Operational Changes					
5.3	Airport Operational Changes					
5.4	Improving Efficiency of Airport Ground Transportation					
T-6	**MARINE TRANSPORTATION STRATEGIES**					
6.1	Ferry Operational Improvements					
6.2	Commercial and Recreational Vessel Engine Efficiency Improvements					
6.3	Alternative Fuels for Ferries, Fishing Vessels, or other Harbor Craft					
6.4	Shore Power/Cold Ironing					
6.5	Alternative Fuels for Port Cargo Handling Equipment					
6.6	Management and Regulation of Fisheries to Include Consideration of Fuel Efficiency					
6.7	Cruise Industry Outreach					
T-7	**RAILROAD TRANSPORTATION STRATEGIES**					
7.1	Railroad Improvements for Freight					
7.2	Locomotive Idle Reduction					
7.3	Efficient Switcher Locomotives					
7.4	Commuter Rail					