

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 Low-GHG Refrigerants					
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)					
2.3	Vehicle Idling Regulations and/or Alternatives (e.g., electrification)					
2.4	Transportation System Management					

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2.5	Freight Mode Shift to More Energy Efficient Modes					
2.6	Improved Weather Information					
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					
3.5	Alternative Fuel Infrastructure Development					
T-4	TRAVEL DEMAND MANAGEMENT					
4.1	Promote Efficient Development Patterns					
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					
4.6	Pay-as-You-Drive Automobile Insurance					
T-5	AIRCRAFT AND AIRPORT STRATEGIES					
5.1	Aircraft Efficiency Improvements					
5.2	Aircraft Operational Changes					
5.3	Alternative Fuels for Airport Ground Equipment					

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T-6	MARINE TRANSPORTATION STRATEGIES					
6.1	Ferry Operational Improvements					
6.2	Marine Engine Efficiency Improvements					
6.3	Alternative Fuels for Ferries, Fishing Boats, or other Harbor Craft					
6.4	Shore Power/Cold Ironing					
6.5	Alternative Fuels for Port Cargo Handling Equipment					
6.6	Fisheries Management for Fuel Efficiency					
T-7	RAILROAD TRANSPORTATION STRATEGIES					
7.1	Railroad Improvements for Freight					
7.2	Locomotive Idle Reduction					
7.3	Efficient Switcher Locomotives					