



The Center for Climate Strategies

Helping States and the Nation Tackle Climate Change

Catalog of State Climate Actions: Energy Supply

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

Example State Greenhouse Gas Pollution Reduction Policy Actions

Emissions Policies and Overarching Items

- Greenhouse gas (GHG) cap-and-trade
- Carbon (GHG) tax
- Generation performance standards and/or mitigation requirements for electricity
- Integrated resource planning (IRP)
- Voluntary GHG commitments
- Technology research and development (R&D)

Renewable Energy and Energy Efficiency

- Renewable Portfolio Standard and/or Environmental Portfolio Standard (RPS/EPS)
- Grid-based renewable energy incentives and/or barrier removal
- Distributed renewable energy incentives and/or barrier removal
- Green power purchases and marketing
- Combined heat and power (CHP) standards, incentives, and/or barrier removal
- Pricing strategies to promote renewable energy and/or CHP (e.g., net metering)
- Renewable energy development issues (e.g., zoning, siting)
- Technology-focused initiatives (e.g., biomass co-firing, energy storage, fuel cells)
- Public Benefits Charge

Fossil Fuel and Nuclear Electricity

- Advanced fossil fuel technology (e.g., integrated gasification combined cycle [IGCC] and carbon capture and storage or reuse [CCSR]) incentives, support, or requirements
- New nuclear power
- Relicensing/up-rating existing nuclear power
- Efficiency improvements and re-powering existing plants
- Technology-focused initiatives

Fuel Production, Processing, and Delivery

- Oil and gas production: GHG emission reduction incentives, support, or requirements
- Natural gas transmission and distribution
- Oil refining: GHG emission reduction incentives, support, or requirements
- Coal production: GHG emission reduction incentives, support, or requirements
- Coal-to-liquids production: GHG emission reduction incentives, support, or requirements
- Low-GHG hydrogen production incentives and support

Carbon Capture and Storage or Reuse

- CCSR incentives, requirements, and/or enabling policies (administration, regulation, liability, incentives)
- R&D for CCSR

Other Energy Supply Options

- Transmission system upgrading
- Reduction of transmission and distribution line losses
- General distributed generation support (interconnection rules, net metering)
- Environmental (GHG emissions) disclosure
- Landfill gas recovery
- Waste to energy
- N₂O reduction co-benefit
- Smart Grid