COLORADO - STATE ENERGY PRIORITIES AND OPPORTUNITIES
U.S.-India State and Urban Initiative

Colorado's Energy Profile and Priorities

In November 2017, the majority of electricity generated in Colorado came from coal, at just over 56 percent. Renewable energy was second at about 24 percent, and natural gas was in third at just over 20 percent. Colorado does not generate any electricity from nuclear power. The state requires investor-owned utilities to generate 30 percent of their sales from renewable energy and requires 20 percent renewable energy from cooperative utilities. Colorado is ranked 11th in the nation for installed solar capacity and the state Energy Office notes that it leads the nation in community solar projects.

Potential Partnership Opportunities

*Incubators & Research Institutions*

**Colorado Clean Energy Cluster:** CCEC is an economic development organization that connects clean energy companies with public sector and academic institutions to create jobs. The organization is promoting technologies such as solar, plug-in hybrid vehicles, and natural gas.

**Colorado Cleantech Industries Association:** The CCIA advocates for Colorado’s cleantech industry, provides resources to cleantech companies, and facilitates collaboration among entrepreneurs. Member companies in the association work on technologies and services such as solar, energy efficiency, and smart homes.

**Payne Institute for Earth Resources:** The Payne Institute at the Colorado School of Mines is a policy research institute that studies energy, environmental, and earth resource challenges. The institute has expressed interest in collaboration with Indian partners on energy issues.

**Innosphere:** Innosphere is a technology incubator that provides resources to startups in science and technology. Companies housed at Innosphere provide technologies and services such as solar thermal power, transportation management, energy efficiency, and waste heat recovery.

**ITN Energy Systems:** ITN is a technology incubator that develops and commercializes next-generation energy technologies. Technologies in their portfolio include redox flow batteries, fuel cells, and energy-saving window film.

**National Renewable Energy Laboratory:** NREL, located in Golden, CO, is a U.S. Department of Energy national lab focused on research and development of energy efficiency, sustainable transportation, and renewable energy. NREL has expressed interest in collaboration with Indian partners on energy issues.

**Renewable and Sustainable Energy Institute:** RASEI at the University of Colorado-Boulder is a partnership between the university and the National Renewable Energy Laboratory, housed in Golden, CO. The institute’s research areas include wind, synthetic biofuels, storage, microgrids, and hydrogen.

**Telluride Venture Accelerator:** TVA is a business accelerator that provides resources and training to entrepreneurs in the local community. Mentors in the program have worked in energy analytics, smart grids, solar, and energy efficiency.
State Programs

**Colorado Energy Office:** The Colorado Energy Office is the energy information office of the state of Colorado. The office’s mission is to promote innovative energy solutions that benefit the state’s residents. The office also houses the Low-Income Energy Services division, which focuses on reducing energy costs for low-income households.

**Advanced Industries Accelerator Programs:** The state of Colorado provides grants to companies and research institutions in advanced industries to accelerate development and commercialization of innovative technologies. Grants in the Energy and Natural Resources category are available to develop innovations in any energy technology, from solar and wind to oil and coal.

Other Opportunities

Along with popular renewable energy options like solar and wind, the state promotes the potential for geothermal, recycled energy, and coal mine methane capture.

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