



## FLORIDA- STATE ENERGY PRIORITIES AND OPPORTUNITIES

### U.S.-India State and Urban Initiative

#### Florida's Energy Profile and Priorities

In Florida, natural gas dominates the fuel mix—it made up 67 percent of the electricity generated in November 2017, compared to 14.2 percent for nuclear, 14 percent for coal, 2.9 percent for renewables, and 0.1 percent for petroleum-fired generation. Florida is seventh in the nation for agricultural exports, so most of its renewable energy generation comes from biomass. The state also benefits from significant solar potential, and research and technology groups are emphasizing this as a growth opportunity. Companies and universities are also interested in carbon sequestration, electric vehicles, energy efficiency, energy storage, ocean energy, and smart grid solutions. The state Department of Agriculture and Consumer Services' Office of Energy runs various programs to incentivize renewable energy, renewable fuel, and energy efficiency technology deployment.

#### Potential Partnership Opportunities

##### *Incubators & Research Institutions*

[Drive Electric Florida](#): DEF is a consortium of automakers, local governments, environmental groups, and utilities formed to promote electric vehicle adoption in Florida. The group brings together stakeholders to run education campaigns, advocate for policies at the state level, and provide resources for electric vehicle owners.

[Enterprise Florida](#): Enterprise Florida is a partnership between the state's government and private sectors and serves as the official Economic Development Organization of Florida. The organization provides small businesses with training, development, and financing, and its industry profiles include an overview of the clean energy and technology businesses in Florida.

[Florida Energy Systems Consortium](#): The FESC is a consortium of twelve universities conducting research into innovation in energy. The group focuses on biomass, solar, nuclear, carbon sequestration, and ocean energy as well as demand management and energy storage.

[Florida Solar Energy Center](#): The FSEC, housed at the University of Central Florida, conducts research, development, certification, and education on building science, hydrogen and fuel cells, electric vehicles, and solar photovoltaic technologies.

[Tampa Bay Technology Incubator](#): The TBTI at the University of South Florida provides funding, facilities, and equipment to technology companies looking to grow their businesses. Energy companies currently housed at the incubator specialize in energy efficiency, bioenergy, and energy services for utilities and smart cities.

##### *State Programs*

[Florida Office of Energy](#): The Florida Office of Energy, housed in the Department of Agriculture and Consumer Services, advises the governor and legislature on energy policy and program development. The office also develops and manages energy efficiency, renewable energy, and energy education programs.



[Biofuels Infrastructure Partnership](#): The state Department of Agriculture's Office of Energy is retrofitting fuel stations with pumps capable of dispensing biofuel blends of 15 percent to 85 percent. The program uses funds from the U.S. Department of Agriculture.

[Farm to Fuel](#): The state Department of Agriculture and Consumer Services is funding research, development, and deployment of biomass, biofuel, and small-scale renewable energy technologies. Past efforts have included funding research and development of new biofuel feedstocks and constructing biodiesel and ethanol plants.

[Florida Energy Clearinghouse](#): The state Office of Energy runs a consumer education program that provides information about energy-saving technologies and renewable energy technology and research. The portal provides information on technology options available to consumers, charging infrastructure for electric vehicles, research being conducted at Florida universities, and resources to evaluate energy-related businesses.

[Renewable Energy and Efficiency Technologies Grant Program](#): The REET Grant Program provides funding for the demonstration, commercialization, research, and development of renewable energy and energy efficiency projects in power generation, building energy use, and vehicles. Past projects funded by this program covered solar energy, zero-energy building design, biofuel production, and ocean energy.

### *Other Opportunities*

A bill to establish a "[Florida Smart City Challenge Grant Program](#)" through the state Department of Transportation is making its way through the legislature. The program would provide funding to cities with innovative solutions for mobility, including deploying electric vehicles, autonomous vehicles, and shared mobility services.

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