



GEORGIA- STATE ENERGY PRIORITIES AND OPPORTUNITIES

U.S.-India State and Urban Initiative

Georgia's Energy Profile and Priorities

Like many states in the Southeast, natural gas dominates the electricity mix—it made up 47 percent of the electricity generated in February 2018, compared to 26 percent for nuclear, 17 percent for coal, 7 percent for renewables, and 3 percent for hydroelectric generation. Georgia has plentiful solar fields and was ranked 8th in the nation in solar installations in 2016. Georgia has been recognized as America's "Bioenergy Corridor" and a leader in the bioenergy revolution with significant investments made on alternative energy projects. Also, thanks to a history of electric vehicle (EV) incentives, Georgia is 2nd in the nation for EV sales. Although the state doesn't have a Renewable Portfolio Standard, it provides a range of incentives such as net metering and rebates for solar generation to improve penetration of renewables.

Potential Partnership Opportunities

Incubators, Research Institutions, and Companies

[Alternative Energy Southeast](#): AES is a solar company that installs solar systems for different types of clients. The company provides a wide range of services such as design & installation, financial analysis, and warranty.

[City of Atlanta](#): The City of Atlanta has recently announced its commitment to 100% renewable and clean energy by 2035. The city also has a huge number of low-income residents and has implemented new ways to offer services such as affordable housing, energy efficiency programs, and financial assistance for its residents. These programs can also be beneficial for many cities in India's states.

[Georgia Institute of Technology](#): GA-Tech has multiple research centers that focus on topics related to energy such as the Center for Distributed Energy, the Climate and Energy Policy Lab, and the Strategic Energy Institute. These centers can help India's states to develop projects and think through policies related to smart grid, electric vehicles, and renewable energy integration. Currently, GA-Tech is working on a few collaborative projects with different entities in India including a partnership between the School of City and Regional Planning and the Center for Environmental Planning and Technology in Ahmedabad.

[Georgia Research Alliance](#): GRA provides funding to startups in technology and life sciences. Successful energy companies such as Sila and Urjanet have been funded through this program. These companies have done a lot of research in technologies such as solar, electric vehicles, and battery storage, and some of them have local offices in cities in India.

[Georgia Solar Energy Association](#): GA Solar assists consumers that are interested in solar installation as well as state/local leaders on policies that can result in higher penetration of solar energy. These services include training for professionals about recent trends and standards plus guidance for consumers to evaluate solar options.



[Savannah River National Laboratory](#): This research center is one of the Department of Energy's national laboratories that has been doing innovative research on clean energy for many decades. Some of their recent projects that might be helpful for India's states include thermal energy storage technologies for concentrating solar power and simulating power grids to help integrate new technologies.

[Southface](#): This organization has been involved in sustainable development and green building through education, research, and technical assistance for many decades. Southface has implemented several successful programs from working with the U.S. Department of Energy to implement energy efficiency in commercial and residential buildings to helping individual communities and nonprofits reduce their energy usage by providing grants and technical support.

State Programs

[Energy Innovation Center](#): EIC is an institute that collaborates with innovative centers in the state and the Department of Economic Development to support clean energy businesses and strategic industries. So far, the institution has helped several industries and established 16 biofuel production facilities in the state.

[Georgia Environmental Finance Authority](#): GEFA provides financial assistance and technical support such as the State Energy Program (SEP) to Georgia's energy efficiency and renewable energy programs to stimulate sustainable economic development. So far GEFA has been funded more than 1600 projects and provided more than \$4 billion in low-interest loans to cities, counties, and infrastructure authorities.

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