Georgia demand response

How can we manage the demand for electricity in Georgia?
Managing the demand for electricity has historically been a challenging strategy, and this is underscored by our estimation of the size of the DR gap in Georgia. Financing, business and policy innovations as well as infrastructure modernization could enable the expansion of demand response.

Can retail demand response be reduced by 31.5 GW?
FERC (2019) estimates that the U.S. could reduce its peak demand by 31.5 GW using retail demand response programs in 2017. In comparison, only 12.2 GW of demand response was called and saved in 2017 (FERC, 2019).

How much power does Georgia use?
The average Georgia household uses approximately 7 kW of maximum demand. The average annual reduction in peak demand for a single-family household under Georgia Power programs is 0.43 kW per participant. Nationally, the range is 0.6-1.2 kW per participant (Gagnon et al., 2017), placing Georgia on the low-end of demand savings per participant.

What happens if demand response is implemented during peak summer hours?
During these periods of peak demand, electricity from single-cycle diesel, oil, and natural gas turbines are added to the generation mix. These dispatch curves suggest that implementing demand response during peak summer hours would cause the displacement of expensive and polluting generation.

2022 IRP programs Georgia Power continues to implement the programs approved in the 2022 IRP and is in the process of procuring new renewable energy through requests for proposal ...

Demand Response Demand response programs can help reduce peak load, shift the timing of electricity usage, or reduce overall electricity demand. Peak load is often met by higher ...

Discover how Alabama Power and Georgia Power achieved significant load shifts and improved customer satisfaction through demand response programs.

assess the benefits of residential customers living in the different climatic zones of Georgia with varied average annual solar radiation and willing to participate in the Demand Response (DR ...

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Drawdown Georgia Business Compact "Research to Action" seminar on rooftop solar, demand response, and cogeneration 9 Videos by >50 Georgia Tech grad students linking solutions to policies ...

Access the demand response toolkit and learn how to adjust and shift your energy usage to reduce strain on the Georgia electrical grid during peak hours.

Demand Response as a Climate Solution in Georgia The Drawdown Georgia research team estimates that Georgia could reduce emissions by one megaton (Mt) of CO2e if 187,000 households shift 10% ...

Demand Response: A Top Pick for Drawdown GA Dr. Marilyn Brown presented to the Drawdown Georgia Business Compact on the power of Demand Response as an important climate solution in ...

Dive in to a discussion of our Clean Electricity Transitions webinar series with this session focused on demand response (DR)--a critical strategy for managing energy use and building a more ...

It benefited from a facilitated focus group discussion of demand response that engaged approximately 20 Georgia experts from a broad range of backgrounds in the public, private and non ...

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