

# Integrated Resource Planning Process New Orleans vs. Georgia

Utility, Cable, Telecommunications and Technology Committee Meeting
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### Background

- The Stipulation in the Georgia Public Service Commission's ("GA PSC") 2016 Final Integrated Resource Planning ("IRP") Order has Been Recommended by Some New Orleans Stakeholders as:
  - Applicable to the Council's Proposed IRP Rules in Council Docket UD-17-01 for a Renewable Resource Request for Proposals ("RFP") Process
- Advisors Reviewed Georgia's IRP Act, GA PSC's IRP Rules, and Final IRP Orders as Implemented by Georgia Power (a Wholly Owned Subsidiary of Southern Company) to Determine:
  - The Context of the Renewable RFP Provision Within Georgia's IRP Process

# Retail Rate Comparison Entergy New Orleans ("ENO") vs Georgia Power

2015 Retail Electricity Rates <sup>1</sup>	Entergy New Orleans New Orleans, LA	Georgia Power Atlanta, GA	Georgia Power Rates as a Percent of ENO Rates
Residential	\$0.0951/kWh	\$0.1215/kWh	128%
Commercial	\$0.0805/kWh	\$0.0956/kWh	119%
Industrial	\$0.0652/kWh	\$0.0548/kWh	84%

### Energy Mix Comparison ENO vs Georgia Power

Generation by Fuel Type	ENO (2015) <sup>1</sup>	Georgia Power (2015) <sup>2</sup>	
Nuclear	57%	9%	
Hydro		5%	
Other		2%	
Coal	4%	29%	
Gas <sup>3</sup> /Oil	39%	55%	
Total	100%	100%	

<sup>&</sup>lt;sup>1</sup> ENO 2015 Integrated Resource Plan, February 1, 2016.

<sup>&</sup>lt;sup>2</sup> https://www.georgiapower.com/about-energy/energy-sources/home.cshtml

<sup>&</sup>lt;sup>3</sup> ENO's Energy Mix Includes Gas Purchases From MISO at the Margin

### **Emissions Comparison** Entergy vs Southern Co.

Entergy (Including ENO)	Southern Co. (Including Georgia Power)	Southern Co. Percent Greater
130,325,124	190,901,034	+ 46%
53,519,177	154,156,924	+ 288%
14,804,105	78,406,024	+ 530%
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0.7	2.6	+ 371%
0.6	0.8	+ 33%
581	1,232	+ 212%
	(Including ENO)  130,325,124  53,519,177  14,804,105	(Including ENO) (Including Georgia Power)  130,325,124 190,901,034  53,519,177 154,156,924  14,804,105 78,406,024

#### Comparison of Fossil Fuel Generation Georgia Power vs ENO

- 084% of Georgia Power's Electricity is Generated From Fossil Fuels
- O43% of ENO's Electricity is Generated From Fossil Fuels
- OGeorgia Power a Greater Need to Replace its Fossil Fuel Generation With Renewables Than Does ENO

## Comparison of Renewable Acquisitions Georgia Power vs ENO

- OGA PSC 2016 Stipulation Approves 1,200 MW in Renewable Resources for Acquisition via the RFP Process Subject to Cost-Effectiveness Screening
- ENO has Committed to 100 MW of Additional Renewable Resources
- OENO on par With Georgia Power When Additional Renewables are Considered as a Percent of Total Load
  - ENO: 100 MW of Renewables is 8.8% of Total Load (1,142 MW)
  - Georgia Power: 1,200 MW of Renewables is **7.4% of Total Load** (16,244 MW)

#### Observations

- GA PSC Policy With Respect to Adding Both Renewables and DSM is Established in Final IRP Orders and Constrained by:
  - A Strong Preference to Minimize Upward Pressure on Rates as Directed in the GA PSC IRP Rules and Reaffirmed in Final IRP Orders
  - GA PSC Does not Have a Renewable Portfolio Standard or an Energy Efficiency Standard but Rather Adds These Resources Subject to Cost-Effectiveness
- The IRP Rules Currently Under Consideration by the Council Require ENO to Determine the Optimal Integration of Supply- and Demand-Side Resources and Show Impact on Revenue Requirements (Rates)
- Georgia Power's Residential Retail Rates are 28% Higher Than ENO's Residential Retail Rates