JEA – GRU
Coordinated Day-Ahead Dispatch

Item #150883

April 7, 2016

GRU
More than Energy

What is Coordinated Dispatch?

- Combining generation resources for the benefit of the participants
- The most economical units from the combined system are dispatched first to meet load requirements

Terms of the Agreement

- Structured as a shaped, day-ahead transaction between JEA and GRU
- Unit commitment window will be 7 days (updated daily)
- An expected savings / margin pool will be created based on the coordinated dispatch scenario
- JEA & GRU will split the savings / margin pool equally
- The coordinated dispatch will only be implemented if it's economically viable
  - Compared to market opportunities

Terms of the Agreement

- Expect to begin around the last week in April
- Creates an option, but not an obligation
- Both JEA and GRU management must agree before daily power is scheduled
- Any transmission cost will be split evenly
- The agreement can be terminated with 30 days' written notice

Coordinated Dispatch Example

System 1

- Load – 500 MW
- Unit 1 – 350 MW - $22/MWh
- Unit 3 – 150 MW - $27/MWh
- Unit 5 – 150 MW - $32/MWh
- Cost to meet load - $11,750

Total : $20,750

System 2

- Load – 300 MW
- Unit 2 – 200 MW - $28/MWh
- Unit 4 – 150 MW - $34/MWh
- Unit 6 – 50 MW - $38/MWh
- Cost to meet load - $9,000

Combined System : Load - 800 MW

Total cost to meet load = $20,550

Savings

- Coordinated dispatch can reduce the overall costs for combined systems
- Estimated savings varies over the model time frame
- Estimated range of savings
  - $6.5M to $10.8M
  - Between May 2016 and December 2021

Questions