Utility Microgrid Islanding and PJM Energy Settlements

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Example 1

- Zone load outside microgrid: 98 MWh
- Load and gen inside microgrid: 2 MWh
- LMP at all load and gen buses in zone: $50

- Zone load payment to PJM energy market: $4,900
- Microgrid load payment to PJM energy market: $100
- PJM energy market payment to microgrid generator: $100
- Ops cost of microgrid generator: $180
- Generator uplift (charged to TO): $80
Example 2

- Zone load outside microgrid: 98 MWh
- Load and gen inside microgrid: 2 MWh
- LMP at all load and gen buses in zone: $500

- Zone load payment to PJM energy market: $49,000
- Microgrid load payment to PJM energy market: $1,000
- PJM energy market payment to microgrid generator: $1,000
- Ops cost of microgrid generator: $180
- Generator uplift (charged to TO): $0

Utility microgrid generator, islanded, $90/MWh cost