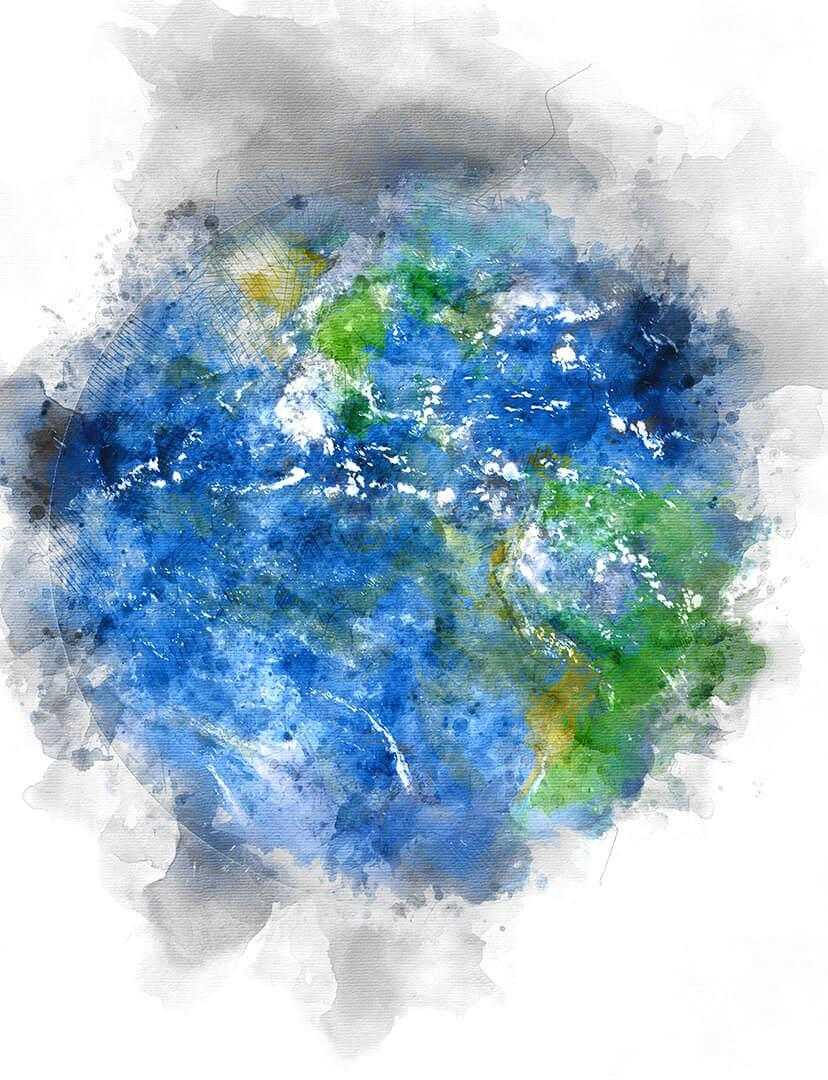

Demand Response

North Boone CUSD 200
Board of Education
December 2019

“It’s a no-cost, best efforts reduction program that asks participating sites, such as schools, to reduce power during unusually high peak times on the grid.

Program Partners

PJM (grid operator and responsible for revenue for project)

Program run by

*NRG Curtailment Solutions, Inc.

*Direct Energy Business

Funding

PJM is the funding source for this initiative.

PJM is a regional transmission organization that coordinates the movement of wholesale electricity in all or parts of Delaware, Illinois, Indiana, Kentucky, Maryland, Michigan, New Jersey, North Carolina, Ohio, Pennsylvania, Tennessee, Virginia, West Virginia and the District of Columbia.

Process

1. Track: install meter to monitor and record energy data.
2. Plan: Create a reduction plan with company and North Boone
3. Alert: Company will alert North Boone of a grid crisis or a planned 'test' (30 mins to 2 hours ahead of time)
4. Implement: If possible North Boone would implement reduction plan
5. Measure: The reduction plan performance would be measured against previous baseline.
6. Reward: At the end of the Demand Response season District receives payment.

Reduction

- Create a plan with company on when and what to reduce
- We would typically be asked to reduce one time a year for about an hour (typically in the summer but could happen in winter)
- Can reduce full, partial or nothing depending on situation
- Generators can be used as a back up but not all are compliant.

Highlights

*No penalties associated with the program

*No cost to enroll

*Reduce power that the District is comfortable and capable

*District will have access to dashboard to monitor kw demand

*Have a Reduction Action Plan

Potential Revenue from NRG

70%
(~$1,500 tp $6,000)

Potential Revenue from Direct Energy

75%
(~$1,500 tp $6,000)

Terms

*5 year contract

*We get about 70% -75% of the revenue and the company keeps about 25- 30%

*Even if we cannot reduce power we are still enrolled in the program

Questions?

Next step: Pick and approve provider

-Set up plan for reduction