

Williamsfield Schools (CUSD #210) (Williamsfield, IL)

This project will install and deploy functional microgrids on the campus of 20 Illinois public school districts. On-site solar production, stationary storage, innovative HVAC controls, and bidirectional electric school bus batteries will be leveraged for financial savings and emissions reductions. Each microgrid will establish the resilience necessary for the building to serve as an emergency shelter during extended grid outages & or weather-related events. Project objectives include at least: 20 active microgrids, 22 gigawatts hours of added solar production, 10 megawatts of callable energy storage during times of peak demand, 8 megawatts of mobile emergency backup power to leverage during outages, 20 local emergency shelters available during outages, and increased energy resilience.

Community Benefits

Williamsfield has committed to the exclusive use of electricians who are members of the Illinois Brotherhood of Electrical Workers (IBEW) for all relevant skilled labor. The project will identify strategies to ensure meaningful training, job creation, community ownership, and wealth building for local disadvantaged communities and partner school districts. The project team will form an advisory committee to allow students from neighboring school districts to engage in the pre-apprentice programs throughout their partner school districts. Williamsfield has committed to providing a report; gathering input from students and local communities; and working alongside environmental justice organizations to identify the savings that result from solar, storage, and microgrid implementation, as well as the displaced cost of purchased diesel that result from the grant.

Team Members	
<ul style="list-style-type: none">University of Illinois at ChicagoIEC-FGEconergy	
Total Funds Requested	\$ 14,994,951
Proposed Cost Share (%)	\$ 847,635 (5%)
Number of Buildings	24

Amboy CUSD #272
Dixon Public School #170
East Moline SD #37
Herscher CUSD #2
Hollis CSD #328
Huntley CSD #158
Joliet Township HSD #204

Meridian CUSD #223
Pembroke CCSD #259
Peoria SD #150
Prairie-Hills SD #144
River Trails SD #26
Roanoke-Benson CUSD #60
Spoon River Valley CUSD #4

Stark County CUSD #100
United CUSD #304
Vienna HSD #133
Washington Central SD #51
Wethersfield CUSD #230
Williamsfield CUSD 210

