

GREEN COMMUNITIES COMPETITIVE GRANT APPLICATION

CANDIDATE PROJECTS ABRSD

- Parker Damon: HVAC upgrades per Whole Building Assessment (to be completed shortly)
- RJ Grey: hot water heaters upgrade
- Blanchard: exhaust fans (study underway)
- Blanchard: HVAC (study underway)
 - Boiler upgrade
 - hot water heaters upgrade
 - convert pneumatic controls to electronic
- Admin Building: upgrade boiler #2 to condensing
- ABRHS: MDF (Main Distribution Frame) closet (savings/yr: 44,764 kWh; savings/yr: \$3,580; cost: \$16,056)
- WiFi programmable thermostats to ten modular offices/classrooms to capture zone setback, single holidays, snow days (30,500 kWh; savings \$3,660; cost: \$5,000)
- RJ Grey: LED lighting - see detail from WBA 4.7.14:
 - LED lighting upgrade to corridors (savings/yr: 77,500 kWh; savings/yr: \$9,365; cost: \$51,000)
 - LED lighting upgrade to auditorium (savings/yr: 17,400 kWh; savings/yr: \$3,285; cost: \$13,088)
- ABRHS: LED lighting upgrades:
 - LED retrofit for 500 “high hat” CFL fixtures (additional high hats at PDB, RJ Grey)
 - LED retrofit for pool lighting
- Parker Damon: Expand BMS analytics to PDB (4% reduction)
- Overlay for unified analysis of energy data for HS/JH/PDB
- ABRHS: Solar thermal for pool
- Douglas: Air-source Heat Pump for modulars (pilot with NSTAR)
- Admin Bldng: Replace rooftop AC unit
- ABRHS boiler room: insulation on pipes (\$4,000)

Note: Application due to DOER March 20, 2014