

Green Advisory Committee Meeting

Thursday, March 13, 2024

4:30 PM – 6:30 PM

KC Wright Building - 600 SE Third Avenue, Ft. Lauderdale

Pre-Function Board Meeting Room - Lobby Level

Meeting Notes

- I. Call to Order, by Chair at 4:41pm – no quorum as only 4 committee members are present (Kirstie, Alec, George, and Michael)
 - a. Additional Items for Agenda
 - b. Verification of completing of Ethics Training and Conflict of Interest Form by all committee members
- II. Chair's Report
- III. Approval of last board meeting minutes
 - a. February Minutes
- IV. Presentations
 - a. 4:30pm presentation by Morton Friedrich and Jeff from FPL on energy
 - I. FPL-BCPS partnership
 - I. DSM program portfolio
 - I. Over \$400,000 back to schools in Energy efficient rebates
 - II. Thermal energy storage at several schools
 - III. Business HVAC: Chillers, DX, ERV, DCV, TES
 - IV. Lighting: LED fixture Replacements,
 - V. CDR/CILC/ Curtailable Demand Response: large loads may leverage customer on-site generation
 - I. More doable at high school than elementary school
 - VI. Business on Call Program: small business HVAC
 - II. Support EPA's Clean Bus School Program
 - III. Solar Vantage
 - I. Customer Benefits:
 - I. Reduce site usage on utility bill using on-site solar, driving significant long-term energy savings
 - II. Reduce charges for usage (kWh) and demand
 - III. Direct lump sum federal incentive
 - IV. FPL installs and maintains the panels for the duration of the agreement
 - II. Examples:
 - I. Solar panels on roof, charging tables on campus, canopy solar structures
 - II. Perhaps put on schools open during the summer (as a start)
 - III. Program Details:
 - I. Agreement term: 10 years
 - II. Payment term: fixed monthly charge on monthly utility bill

- IV. Solar Together
 - I. No upfront costs, no maintenance or long-term contract
 - II. Receive renewable energy credits for your subscription
 - III. Typical simple payback by year 7
 - IV. 54 accounts Eligible for 2024 non-demand offering
 - V. Miami Dade Schools is a part of this program
- V. FPL EVOlution fleet charging solutions made easy
 - I. Road mapping and Planning
 - I. EV charger selection and right-sizing
 - II. Site design, optimization
 - III. Estimate electric bill impacts
 - IV. Pricing rules available
 - II. Equipment, Installation and Maintenance
 - I. Seamless end-to-end installation, upkeep
 - II. Includes charging equipment, permitting construction
 - III. Preventative and emergency maintenance
 - III. On-Bill Payments
 - I. Convenient, easy-on-bill solution
 - II. Fixed monthly service charge
 - III. 50 EV chargers installed in 2023
 - IV. 10-year programs – own equipment after
- VI. 10 additional EV chargers in 2024
- VII. Installation of 2 microgrids by Q3 2025
 - I. Roof top and solar battery storage
 - II. Mcnicol Middle and Sheridan Technical High (special needs shelters in low-income areas)
 - III. One location will also incorporate EV Chargers
 - IV. Not net meter (money saved will go back to FPL as it is a pilot program)
 - V. Sustain for up to 14 hours
 - I. EOC should be involved
 - II. County is in process of becoming a net zero county. How can they help offset the cost of implementing this in more schools in the future yet with a longer sustainability period.
 - VI. No cost to BCPS
 - VII. This equipment will provide resiliency in the event of a grid outage and reduce the use of diesel for generators when schools are operating as hurricane shelters.
 - VIII. Pilot programs
- VIII. High School Senior Apprenticeship program
 - I. Start a green jobs apprenticeship program
 - II. Community awareness
 - III. Job paths
- b. 5:30pm presentation by Coastal Waste and Recycling on BCPS recycling contract

- I. Eileen from Coastal Waste and Recycling
 - I. Becky from BCPS is trash czar and gate keeper
emshelpdesk@browardschools.com
- II. Wilton Manors, Davie and Pompano
- III. Education
 - I. Custodial staff and kitchen staff are the best to teach – the more they know, the better it is
 - II. Cardboard needs to be broken down
 - III. Eileen will go to every school and educate them
 - IV. Measuring school's savings is difficult because it is not weighed and there may be multiple stops on a route
 - V. Recycling is generally picked up once a week
 - VI. Make it simple when talking to students about recycling
 - VII. Field trips to Pembroke Pines – routers
- IV. Single stream
 - I. Soda cans, plastic and CARDBOARD (rest gets contaminated), no profit for paper
 - II. Items 1-7 with narrow neck
 - III. Just because its plastic doesn't mean its recyclable
 - IV. Bringing to facility in Pompano
 - V. Plastics bags are biggest nightmare
- V. Ideal world
 - I. Not many recyclables in schools are recyclable besides CARDBOARD
 - II. Cost more to recycle than throw it away – cheaper to bring it to waste to energy plant
 - III. PSAs every morning at schools
 - IV. Education Campaign with incentive built in for a dedicated team
 - I. Start early at the elementary level with a sustainability team/program. Start with the young ones in kindergarten so they can continue their entire 6 years at the school.
 - V. Recycling Improvement Plan
 - I. Survey principals with how many schools have a recycling program
 - I. Possibly tie in 3rd grade science standards Properties of Matter
 - I. SC.3.P.8.2 - Measure and compare the mass and volume of solids and liquids.
 - II. SC.3.P.8.3 - Compare materials and objects according to properties such as size, shape, color, texture, and hardness.
 - II. This will show the school board that there is a need for discussion at the administration level at schools & the state of recycling throughout BCPS.
- V. Old Business
- VI. New Business

- a. Pick 3 items we want to prioritize for next meeting (everyone should have educational component)
 - I. Recycling
 - II. Green Purchasing Policy
 - III. What does the transition look like for a fully electric bus fleet?
- VII. Next Board Meeting – April 17th from 4:30 – 6:30 in KCW Prefunction Room
- VIII. Adjournment - at 6:33 by Alec