



SERT Flash

School Energy and Recycling Team



MCPS Goes Solar!

Have you heard that Montgomery County Public Schools (MCPS) is hosting solar photovoltaic systems on school rooftops? Yes, it's true!

MCPS has three solar photovoltaic (PV) systems up and running. The Department of Facilities Management negotiated a power purchase agreement (PPA) that allows MCPS to host the operation of solar photovoltaic (PV) systems on select buildings at no cost to the school system. A solar developer installs, owns, and maintains the solar array and sells power at a reduced rate directly to MCPS.

MCPS currently has over 2,500 panels installed and producing energy at Clarksburg High School, Lakelands Park Middle School, and College Gardens Elementary School. Richard Montgomery High School will benefit from the installation of approximately 800 panels by the end of this year.

Sites were selected based on roof dimensions, equipment, and age. Additional schools are under consideration for Solar PV installations to fill the 1.4 megawatts capacity goal.

Our vendor, SunEdison, provides us with facility monitoring services that include an online tool which is internet accessible to staff and students. To view energy production data at each school, please log on to <https://my.sunedison.com>. The user name and password are "mcps." Visitors to this site can view system performance, historical data, weather data, and environmental benefits. We encourage students and staff to visit the site to see the real-time data and benefits of solar power production.

Facility Monitoring Services – Site Data

Online tool

- Internet accessible
- Secure username and password
- Accessible for multiple account users

Energy production data

- System performance
- Historical data
- Weather data
- Environmental benefits

Advanced system data

- Customized analysis
- Aggregated data across facilities



It is the hope of MCPS to eventually extend this procurement model for solar power to all new schools and modernizations. For existing buildings, the solar PPA model will be integrated into replacement roofing projects where feasible.

Do you have a "SERT Flash" you would like to share about your SERT efforts? Please submit a photograph and paragraph about your team and you too can be featured in a future FLASH!

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"It's your world...choose to conserve"