



Portland Public
Schools

2009—2010 School Year

Facilities & Asset Management NEWSLETTER

Volume 1: Winter 2010

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FAM supports athletics!

- Installed a replacement portion of the Roosevelt grandstands
- Installed a new synthetic turf field at Ainsworth
- Installed a new track at Cleveland
- Installed a new baseball field at Fernwood

FAM aids schools with energy saving projects

The Facilities and Asset Management department is working on various energy saving projects that are environmentally friendly and save PPS money! Here are some highlights from recent projects:

Creston and Alameda: Over winter break, PPS retrofitted these two school buildings from T12-to-T8 ballast lamps. Projects were funded by SBI 149 energy efficiency funds and are expected to save 43% in usage and over \$5,000 in annual electricity cost at each school, with a payback of 4-5 years. Abernethy, Woodstock, and Hosford are next!

George and Beaumont: PPS implemented performance contract projects at these schools which will save 20%. PPS has installed lighting and plumbing fixture upgrades as well as oil-to-natural

gas boiler conversions. Energy management upgrades are also planned.

Computer Power Management: In a joint effort with the PPS IT department, FAM has completed the RFP selection process for a computer power management vendor and software package that will be installed on the PPS network to automatically shut down monitors and computers when not in use. The project will be funded by a combination of SBI 149 and Energy Trust of Oregon utility incentives, and is expected to have annual utility savings of over \$200,000, with a payback close to one year. A trial will begin this month at Lane and Vestal. If all goes well, it will be rolled out to all schools shortly after!

—Catherine Diviney
PPS Energy Specialist
cdiviney@pps.k12.or.us
(503) 916-2000 x74414



Spotlight on Marysville: move to RCP & Marysville park project

Move to Rose City Park:

Facilities & Asset Management staff assisted in the mobilization, planning and completion of the emergency move of Marysville School to Rose City Park in the aftermath of a catastrophic fire. Hundreds of Facilities staff and volunteers cleaned, painted, and moved furniture to restore the Rose City Park building to operating condition. Marysville students were successfully relocated to Rose City

Park just five days after the fire that closed Marysville School.

Marysville Park Project:

Facilities & Asset Management provided project management and coordination assistance to the Marysville Park Advisory Committee to fund and build a park at Marysville School. The Marysville Park Advisory Committee raised more than \$1 million and took advantage of hundreds of thousands of dollars of in-kind design

contributions to design and build the park. The park was briefly closed after the Marysville fire, but has been reopened. The park, that includes play mounds and covered play areas, will welcome back the Marysville community after the school has been rebuilt.

—Marlys Mock
PPS Project Manager
mmock@pps.k12.or.us
(503) 916-3913

High Performance classroom at daVinci

After years of planning, the Evans-Harvard Music Conservatory at daVinci Arts Middle School is finally finished!

Combining learning with sustainability, the new high performance music classroom at daVinci Arts Middle School demonstrates energy efficiency and green building practices in Portland Public Schools.

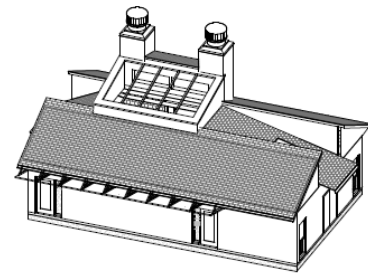
Winner of the Green Investment Fund grant from the City of Portland, this building houses the music classroom and practice space for the school's band and

music program while demonstrating the District's ethic of conservations through energy and resource efficiency. The building is designed to satisfy the highest nationally recognized green building criteria (LEED Platinum) and excels in energy performance by using several smart passive systems, including solar, heating and cooling, and daylight and stormwater features.

To date, there have been more than 665 visitors. Furthermore, student ambassadors have led tours for two-thirds of the visitors!

Visit the Resource Conservation website (<http://facilities.pps.k12.or.us/.docs/pg/11207>) for more details.

— Aleta Mills, AmeriCorps Conservation Coordinator
amills@pps.k12.or.us
 (503) 916-2000 x74449



Utility Accounting database upgrade

Facilities and Asset Management department completed an overhaul and upgrade of its Utility Manager accounting database. FAM continues to look for ways to increase the accuracy and timeliness of this information.

We now have information on stormwater and garbage/recycling in our database and can run reports

on carbon emissions automatically. Up next, FAM is working on developing an effective way to disseminate all this great information to schools on a regular basis.

For further utility information, please contact Catherine Diviney, PPS Energy Specialist, at cdiviney@pps.k12.or.us.

—Catherine Diviney
 PPS Energy Specialist
cdiviney@pps.k12.or.us
 (503) 916-2000 x74414



“...the new high performance music classroom at daVinci Arts MS demonstrates energy efficiency and green building practices in PPS.”

BESC Green Team at work

Do you know what is happening in the BESC every second Thursday of the month at 10am? That's right! The BESC Green Team is meeting.

A collection of PPS employees from various departments, the Green Team meets to discuss plans for a greener building and district. Completed projects include a surplus supply list, energy saving settings on

all district IKON copiers and recycling stations around the BESC. Projects in development include giveaway and sale of reusable mugs, inefficient refrigerator elimination and a new bulletin board coming in February 2010.

Everyone is welcome to attend. Check out the website (<http://facilities.pps.k12.or.us/.docs/pg/11243>) or e-mail bescgreenteam-list@pps.k12.or.us to be added to the list serve.

— Aleta Mills, AmeriCorps Conservation Coordinator
amills@pps.k12.or.us
 (503) 916-2000 x74449



AmeriCorps Conservation team & PPS

Beginning in October 2009, the AmeriCorps Conservation Team (ACT) began working with the top five energy consuming school sites in our district to reduce their electricity and heat consumption.

Creston, Rice, Laurelhurst, Llewellyn, and Capital Hill all consume more than 80 kBtu per square foot (one British thermal unit is the heat required to raise the temperature of one pound of water one degree Fahrenheit) of

energy per year. The average energy use for K-12 schools in our climate zone is 69 kBtu/sqft.

By working with principals and custodians, and with the help of Maintenance and the Field Operations Supervisors, the AmeriCorps Conservation Team is working to decrease energy consumption at these schools in time for a district-wide incentive program to be rolled out in March 2010.

Do you have ideas for conserving energy in our district? If so, please contact Aleta Mills at amills@pps.k12.or.us.

— Aleta Mills, AmeriCorps Conservation Coordinator
amills@pps.k12.or.us
(503) 916-2000 x74449



Greenovation Pilot Project at George

Working in partnership with Lutron Electronics, PPS installed a sophisticated lighting system in classroom 209 at George Middle School. Lutron donated the “Greenovation” system, which comprises a “high-performance, energy efficient classroom lighting system engineered to enhance student learning.”

Monitoring equipment was installed so students can view data and graphs to see energy savings that result from daylight harvesting and turning the lights off. The classroom next door is also being monitored for comparison.

Additionally, the lighting system also comes with

curriculum materials and access to a nationwide tracking system through the www.greenovationnation.com website.

—Catherine Diviney
PPS Energy Specialist
cdiviney@pps.k12.or.us
(503) 916-2000 x74414

“Hundreds of pounds of perishable food are diverted from the landfill and donated to local non-profit agencies.”

Fork It Over feeds those in need

Before each major school break, Nutrition Services and Melissa Kerry, AmeriCorps Resource Conservation Coordinator for PPS, are hard at work organizing a food donation program—Fork It Over.

Hundreds of pounds of

edible perishable food are diverted from the landfill and donated to local non-profit agencies. One of the most successful Fork It Over’s to date was held on Friday, December 18, 2009, with a donation of more than two and a half tons of food. In the last five years, PPS has do-

nated 63.2 tons of food to feed hungry people in our community!

— Aleta Mills, AmeriCorps Conservation Coordinator
amills@pps.k12.or.us
(503) 916-2000 x74449



Portland Public Schools

Facilities & Asset Management
Room 30, Floor L-1
501 N. Dixon
Portland, OR 97227
<http://facilities.pps.k12.or.us/>

Phone: 503-916-3401
Fax: 503-916-3253
E-mail: ltrapp@pps.k12.or.us



PPS Mission:

At Portland Public Schools, this is our goal: By the end of elementary, middle, and high school, every student by name will meet or exceed academic standards and will be fully prepared to make productive life decisions. Portland Public Schools is an equal opportunity educator and employer.

Portland Public Schools Facilities & Asset Management

The Facilities and Asset Management (FAM) Division supports classroom teaching and learning by providing a safe and healthy environment that is conducive to learning for students and staff.

Solar roofs installed at nine school sites

Portland Public Schools entered into an innovative partnership with Gerding Edlen Sustainable Solutions in 2009 to replace roofs at nine schools. The partnership helped PPS leverage funds to include solar panels at no additional cost to the district.

As part of the partnership, Gerding Edlen secured a third-party investor to pay for the installation of the solar panels. PPS will assume ownership of the panels in seven to eight years, when the investor

expects to make its return on investment through federal and state business energy tax credits.

PPS will save more than \$1 million in energy costs over the next 20 years with this installation!

—Marlys Mock
PPS Project Manager
mmock@pps.k12.or.us
(503) 916-3913

