

Facilities Services

Energy & Sustainability - 2018

- Energy Master Planning Workshop - On June 21, 2018 the Facilities Services Department hosted an Energy Master Planning Workshop in conjunction with CPS Energy. During this session, the attendees agreed to set a 30% energy savings target by 2021 and set goals related to outreach, planning, and funding for future energy efficiency upgrades. The SAISD Board of Trustees voted to endorse the District's Energy Master Plan at the August 20th Board Meeting.
- CPS Bill Reconciliation – In January 2018, Facilities Services identified 11 electricity accounts that were not under the optimal rate category. These were changed and based on analysis from CPS Energy will save the District \$88,551 annually. In November, 3 additional accounts were identified and have been reclassified, which is estimated to result in an additional annual savings of \$17,802.
- CPS Energy Thermostats - SAISD partnered with CPS Energy to replace non-programmable mercury thermostats in portable buildings with web-connected programmable thermostats. This will ensure that the units operate according to the correct schedule and follow District heating and cooling setpoints. 158 new thermostats were installed at no cost to the District.
- Air Conditioner Tune-Ups – During the summer months, Facilities Services took advantage of no-cost A/C tune-ups through CPS Energy. This is a comprehensive preventive maintenance service that reduces cooling costs by ensuring that packaged and split A/C units are operating as efficiently as possible. Tune-ups were performed on 582 units, which is expected to save over \$118,000 a year in cooling costs.

Energy Master Plan Workshop



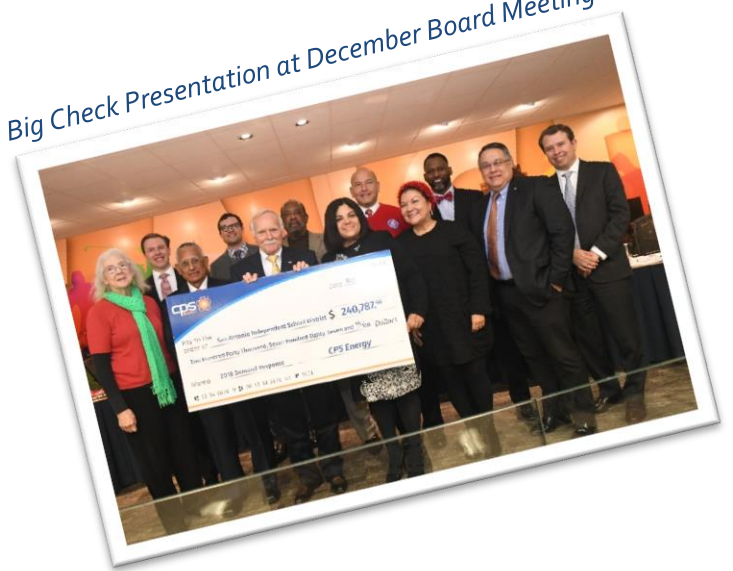
- Energy and Sustainability Committee- On December 10th, SAISD hosted its first-ever Energy and Sustainability Committee meeting. The Committee consists of 16 inter-departmental professionals who were chosen for their expertise in facility maintenance, organizational leadership, academics, communication, and K-12 administration. At this first meeting they were introduced to Energy & Sustainability accomplishments and given an overview planned initiatives. The Committee will meet quarterly to further the District's goals to reduce utility consumption and be a leader in energy efficiency and sustainability.

High-Performance A/C Tune-Ups!



- CPS Energy Demand Response - SAISD was awarded incentives in the amount of \$240,787 in 2018 for participating in CPS Energy's Commercial Solutions and Demand Response programs. This amount represents rebates from completed projects as well as incentives from the District's performance during Demand Response curtailment events from June-September. The District plans to add 5 campuses to increase Demand Response participation and will complete additional rebate-eligible projects to increase 2019 incentive amounts.

Big Check Presentation at December Board Meeting



- Resource Management Services – Facilities Services is enrolled in a voluntary behavior-based energy conservation program in partnership with CPS Energy. RMS focuses on no and low-cost behavioral changes that result in energy savings and includes utility tracking and analytics through the Energy Center software. This program is available at no cost and is expected to result in energy savings of 3-5% a year.

Energy Center Facility Energy Tracking



- Project Waste Warriors – 7 campuses (1 from each SM District) were selected to participate in the Waste Warriors recycling challenge this academic year. Thanks to a grant from the Alamo Area Council of Governments (AACOG), the District was able to purchase recycling bins and 2 new dumpsters to facilitate the start of recycling at these campuses. Recycling levels will be monitored at each campus and the school that has the highest participation rate will be recognized as the top performer!

- LED Retrofits - LED fixtures in conjunction with occupancy sensors were installed in 12 gyms to save energy, reduce maintenance, and improve lighting levels. These retrofits are estimated to save over \$15,600/year and will provide a total of over \$23,000 in rebates from CPS Energy. These projects have an average payback of 3.1 years and have increased light levels. The majority of retrofits were performed by SAISD electrical staff, which helped ensure a great ROI for these investments. Similar LED projects are planned for 2019.

New LEDs in the Woodlawn Academy Gym!

