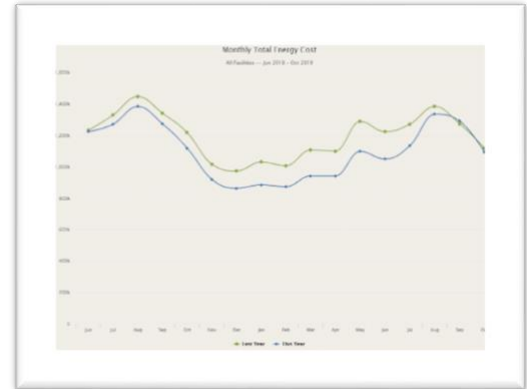


# Facilities Services

## Energy & Sustainability - 2019

- Resource Management Services (RMS) - 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. Electricity and natural gas savings for the last fiscal year (2018-2019) were \$1,443,880 below the previous fiscal year.
- CPS Energy Rebates – SAISD was awarded incentives in the amount of \$347,682.77 in 2019 from CPS Energy. This amount represents rebates from completed projects as well as incentives from the District's performance during Demand Response curtailment events from June-September. At least four campuses will be added to the Demand Response program this summer to increase 2020 incentive amounts.
- Energy & Sustainability Committee - SAISD hosted two Energy and Sustainability Committee meetings this year with a third is planned for mid-December. The Committee consists of an inter-departmental team chosen for their expertise in facility maintenance, organizational leadership, academics, communication, and K-12 administration. They will continue to provide guidance on initiatives and projects related to energy and sustainability initiatives.
  - Computer Energy Management – Facilities Services partnered with Technology to develop and implement a computer energy management program that was launched in August of 2019. Through this program, Windows-based devices (computers, laptops, and monitors) will enter sleep mode after 60 minutes of inactivity. This initiative is expected to save the District approximately \$100,000 a year in electricity savings.

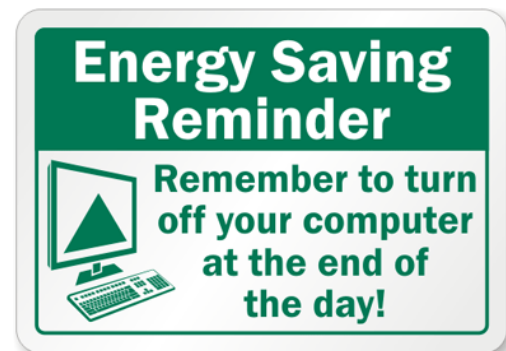
*Energy Center Facility Energy Tracking*



*CPS Energy Rebates*



*Computer Energy Management*



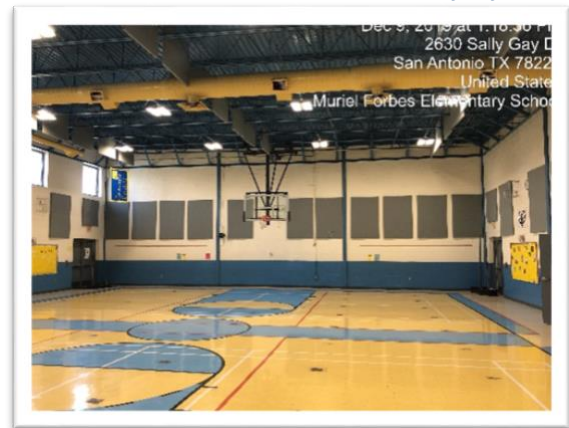
## Student Lighting Efficiency Project at Ogden Academy

- Student Lighting Projects – Facilities Services performed lighting retrofits to gyms at Ogden and YMLA and used this as an opportunity to create project-based learning exercises for the middle-school students. Science teachers assisted with the lighting audits and had students take before and after readings. The classes also participated in a lighting efficiency lesson where they were able to learn about different lighting technologies as well as the benefits of the District installing LEDs!



*New LEDs in the Forbes Academy Gym*

- LED Retrofits - LED retrofits were completed at 15 campuses from January through the present. This includes 7 gyms, 2 libraries, 1 cafeteria, 2 exterior projects, and 3 entire interior building retrofits. These retrofits are estimated to save over \$30,000/year in energy costs and will provide a total of over \$35,000 in rebates from CPS Energy. The projects have an average payback of 2.4 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 2020.



- Project Waste Warriors – Single-Stream recycling was introduced at 7 campuses through the Waste Warriors recycling challenge. The District purchased recycling bins and 2 new dumpsters to facilitate the start of recycling at these campuses. Recycling levels were monitored at each campus and Whitter MS was the top performer! Bins were also purchased for an additional 7 campuses to begin recycling programs. This was made possible through a grant from the Alamo Area Council of Governments (AACOG).

*Recycling Dumpsters Painted by Highlands HS Students!*



- CPS Energy Student Poster Contest – As part of the behavior-based RMS energy conservation program, students were asked to create posters with an energy savings theme. One hundred and twenty-one entries were received from 6 campuses in the elementary and middle school grade levels. Three Districtwide winners were selected as well as a winner per campus. Posters from the top 3 Districtwide winners were printed, courtesy of CPS Energy, and were shared with all campuses. A poster contest will be held again in the spring of 2020!

*CPS Energy Poster Contest Winners*

