



MARYSVILLE JOINT UNIFIED SCHOOL DISTRICT Planning for Tomorrow & Building Today

ENERGY EFFICIENCY PROJECT UPDATE



INTRODUCTIONS



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Re-introduction

Our
Guiding
Principles



[sitelogiq.com](https://www.sitelogiq.com)



RE-INTRODUCTION

OUR GOAL



To revitalize,
optimize, and
construct
healthy, safe,
and productive
learning
environments

FOR STUDENTS

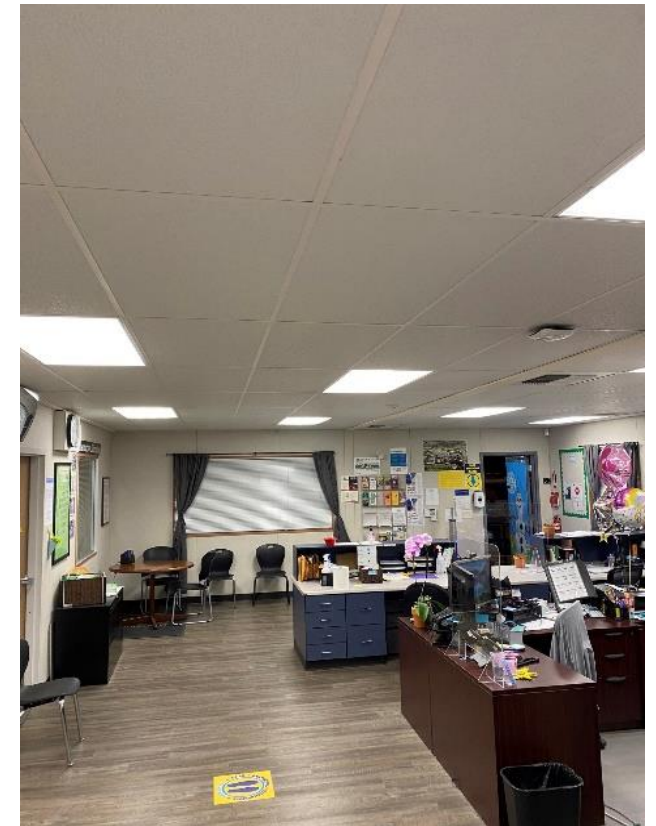
LIGHTING RETROFIT



We are substantially complete with the lighting installation and working on punch list items to finish off the loose ends!

Edgewater Multi Purpose and Office

Over 7,000 fixtures
Districtwide have been
successfully
retrofitted to LED!

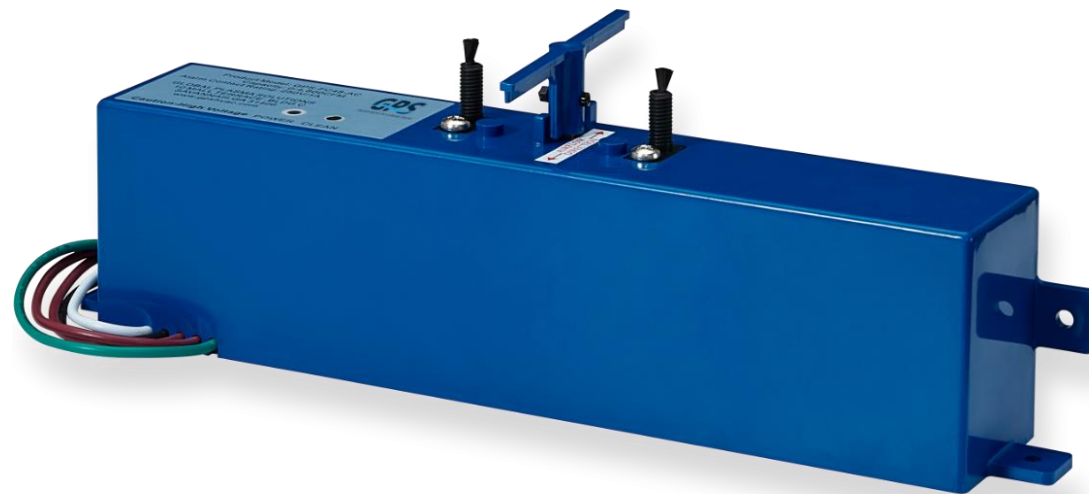


GPS IONIZATION UNITS



We are approximately 85% complete with the installation of the GPS Ionization units Districtwide. The only units in the District left to have the Ionization units installed are HVAC units that are scheduled to be changed out over the next 3-4 months.

85% of all HVAC equipment within the District is equipped with Ionization Units!



LINDHURST HIGH SCHOOL MECHANICAL



Building A Offices were brought online in June to serve the admin staff during the demolition phase in the remainder of building A.

Building A Office Mezanine

All systems have been removed from the chilled water loop



LINDHURST HIGH SCHOOL MECHANICAL



Building A Office Mezanine

AFTER PICTURE



HVAC UNIT REPLACEMENTS



Remaining (63) Bard units will be installed over the next 3-4 weeks. Rooftop equipment and split systems are arriving to our yard over the next couple of weeks. Sites will be scheduled based on the equipment and access to the sites. Work shifted to afterhours the week of 8/9 to accommodate the return of students to the sites.

75 wall mount Bard HVAC units Districtwide and 16 rooftop units at Foothill IS have been replaced!



HVAC UNIT REPLACEMENTS Foothill Intermediate



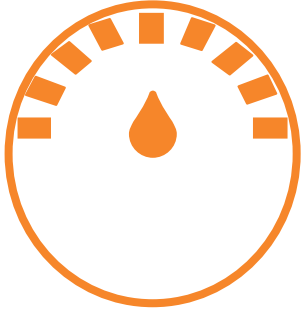
BEFORE PICTURE



AFTER PICTURE



PELICAN THERMOSTATS

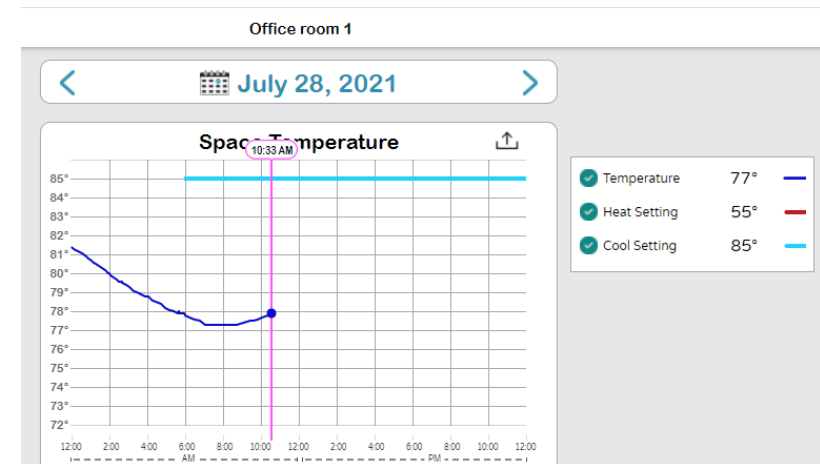


- Programming, scheduling and commissioning is in progress. All installed stats were programmed and scheduled by start of school 8/11.
- Our teams will be circling back to address misc. control systems and existing variable refrigerant flow systems. Some of these may need to remain on existing control systems depending on the capabilities of the existing HVAC units.
- Once all systems are online, training will be set up a training with MJUSD staff.

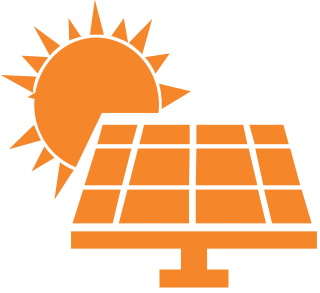
**~550 Pelican
Thermostats have been
installed Districtwide!**

Arboga Example

MPR1	Cool Setting 85°	77° CO ₂ 479 _{ppm}
MPR2	Cool Setting 85°	76° CO ₂ 710 _{ppm}
Office room 1	Cool Setting 85°	77° CO ₂ 437 _{ppm}
Office room 2	Cool Setting 85°	76° CO ₂ 479 _{ppm}



SOLAR



- We are currently working on the plans for phase 1C while simultaneously navigating the interconnection agreements with PG&E.
- Our plan is to mobilize the first scheduled sites: Browns Valley, Cordua, Ella and Johnson Park by mid-September into October with completion by late 2021/early 2022.

As of 7/29/21 we had six (6) solar sites submitted to DSA for approval!

On 9/1/2021 we will submit to DSA for exemptions on the MJUSD bus barn array and Lindhurst High School



Marysville JUSD Energy Dashboard

Marysville Joint Unified School District has partnered with SitelogIQ to help decrease the cost of utility bills through managing and monitoring electric energy use at all schools by using tools such as this Dashboard. This Dashboard displays the electric use and associated costs for each school, and the District as a whole. It is intended to facilitate group collaboration, and encourage energy reduction efforts so that progress and opportunities can be identified and made readily available for viewing by staff and students.

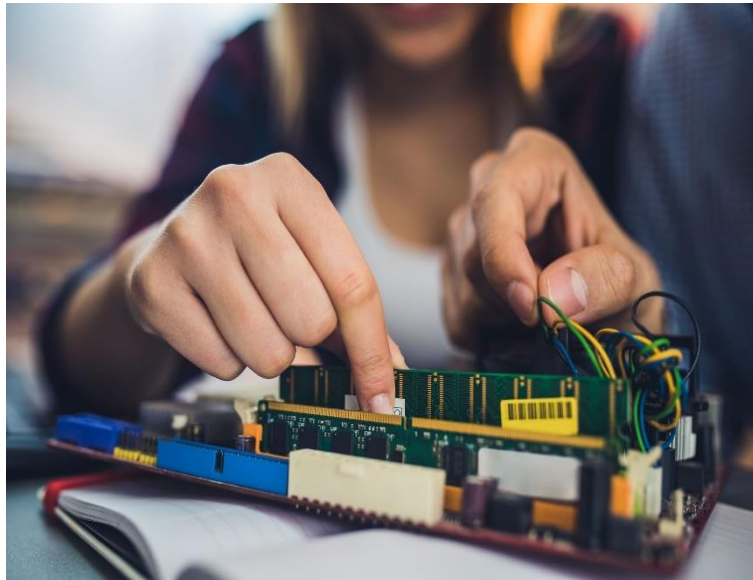
Usage Overview **Comparison Table** **EUI Map**

Cost Overview **Comparison Chart** **Estimated Savings**

ESTABLISHED 1851

GATEWAY To The GOLD FIELDS

STUDENT ENGAGEMENT



Student Education

SitelogIQ is pleased to offer remote and on-site educational lessons for your K-12 students that emphasize STEM based curriculum and concentrate on energy related topics such as:

- Energy Technologies and Careers
- Energy Management and Conservation
- Solar Energy and Renewables
- Energy Monitoring and Analysis
- Energy Storage
- Energy Resources and Environmental Impact
- Recycling and Waste Management



COMMUNITY ENGAGEMENT



ON TIME AND ON BUDGET



CHALLENGE ACCEPTED



QUESTIONS

