

The Superintendent's Update



April 10, 2015

NEWS FROM KELLY

CUSD and CUTA Reach Tentative Agreement: Thanks to the hard work and perseverance of many, CUSD (Chico Unified School District) and CUTA (Chico Unified Teachers Association) have reached a tentative settlement agreement for the 2014/15 and 2015/16 school years. That tentative agreement is available on the CUSD Website (<http://www.chicousd.org/Departments/Human-Resources/Negotiation-Updates/index.html>) and has also been posted by CUTA. CUTA will vote on the Tentative Agreement on Monday, April 13, 2015. If the Tentative Agreement is ratified by the CUTA membership, the CUSD Board of Education will vote on the agreement at their April 15 Board of Education meeting. While it has been a long and at times contentious process, it is my sincere hope that we can move forward and look at alternative methods of negotiations that result in a better understanding by all of both the needs of the CUTA membership and the issues facing the District. Through a thorough understanding of the issues and by working together, I believe we can avoid contentious negotiations in the future. I for one am willing to give it a try.

Superintendent's Award for March: Three Junior High School students were honored with the Superintendent's award at the March 25 meeting of the CUSD Board of Education. These students each serve as the ASB president for their respective schools. Each has also met with me throughout the year to share the success as well as the needs at their school sites. Most recently, each organized a meeting that involved students from various backgrounds and interests to discuss and provide input into the CUSD Local Control Accountability Plan (LCAP). Their student voice is much appreciated as was their willingness to share this voice at our March Board meeting. Please join me in congratulating the following March Superintendent Award Winners:

- **Tyler Brogden, Bidwell Junior High School**
- **Barron Bertagna, Chico Junior High School**
- **Grecia Guzman, Marsh Junior High School**

Retirement of Three CUSD Senior Staff Members: This week **Bob Feaster**, Assistant Superintendent, Human Resources; **Dave Scott**, Assistant Superintendent of Educational Services; and **Janet Brinson**, Director of Categorical Programs each announced their intent to retire at the end of this school year. Together they represent 90 years of service to Chico Unified School District. All three have much to do before their June 30, 2015, retirement date so we will not celebrate or give them our best wishes quite yet. However, as I know each of them have worked with many of you over the years, we will keep everyone posted regarding activities to celebrate their retirements and give all interested the ability to share some stories of their years in the District.



SPOTLIGHT ON OUR EMPLOYEES

Health Assistant of the Month: **Sue Hegan** was initially employed as a Health Assistant at Citrus in 1988, where she served for three years. A job transfer led her husband Lyman, Sue and their family back to the Salem, Oregon area, where they were originally from. In 2002, after living in Oregon for 10 years, Sue and Lyman moved their family back to Chico, where she returned to her health aide role, faithfully serving Little Chico Creek, Chapman and Emma Wilson schools, where she is currently serving.

In 2011 Sue received the Honorary Service Award from the Emma Wilson PTA for recognition of her outstanding service to the children and youth of that school. Parents, teachers and staff members alike have long recognized Sue's devotion and abilities to serve the students in their schools. Sue goes the extra mile to get clothes and gifts for families in need and is continually looking for ways to help out students, families and the school staff.

Sue has also been recognized by her fellow coworkers as being a strong and capable advocate for the role and function of the district's health assistants. She has served on several committees and currently has been the health aide representative on the MediCal collaborative as well as a representative on the Union Negotiations committee.

Sue will be retiring in June after 16 years of devoted service to our students and staff in the CUSD. Her friendly smile, kind heart, bright mind and many abilities will be missed on the campus at Emma Wilson Elementary. But we are fortunate in that she will continue to live in the local area and along with her husband Lyman, who has just retired from teaching Agriculture at Butte College, will continue to be a supportive member of the Chico community. We are thankful and blessed to have worked with such a dedicated and capable employee. ~ *School Nurses*



NEWS FROM EDUCATIONAL SERVICES

New Courses Approved for High Schools: Chico High and Pleasant Valley High Schools created new courses to help build Career Technical Pathways at both sites. These courses were approved by the School Board on March 25. The CTE Pathway models are designed to offer a sequence of courses starting with an introductory course and continuing with a mid-level and advanced course. Chico High will offer a Digital Arts I class for 2015-2016, and plan to add Digital Arts II the following school year. This course combines concepts from previous courses entitled Photography I, Computer Art I and Video classes. Pleasant Valley High created two new courses – Online Medical Terminology and Biotechnology - to help support the development of CTE Pathways in Medical Careers and Biotechnology.

Sixth Grade Parent Open House at Junior High Campuses: Bidwell Jr., Chico Jr. and Marsh Jr. High schools opened their doors to sixth grade parents for an Open House on Wednesday, April 8 at 6:30 p.m. Parents had the opportunity to hear information from school administrators, teachers, students and PTSA/PTSO organizations.

Special Olympics: The Special Olympics School Site Track Meet for Butte County special needs students will be held on Friday, May 1, in a new location, Harrison Stadium in Oroville. (See flyer at the end of this Update.) Thank you to our Adapted PE Specialists for their hard work in putting this event together. If you would like to volunteer at this event, please contact **Rick Bower** or **Eric Snedeker**. Go Team Chico!



NEWS FROM BUSINESS SERVICES

Exciting Changes Occurred at BJHS over Spring Break: In preparation for a complete remodel of the administrative offices, all staff were temporarily relocated into three existing classrooms. In addition to moving all the furniture, the work included the relocation of the fire alarm panel, phones, clocks, bells and data. This work was implemented without a hitch thanks to **Lalanya Rothenberger, Maria Campos, John Sclare, Philip Brock, and Angela Bledsoe**. A special thank you also goes to our Maintenance Department: **John Carver, Dusty Copper, Eric German, Thomas Combs, Steven Gaddini, Richard Denning, Jerry Hoyt, Thomas Lopez, Britney Lund, Nick Oman, Dan Rice, Rick Robbins, Joel Rothenberger, Luke Steinberg, Chase Tiner and Mike Witzcek**. Thank you to all the staff at Bidwell Jr. High School for your hard work and patience as we tackle this exciting improvement to the campus. Job well done! Following is a directory of where services have been relocated on Campus: ROOM 201-ADMINISTRATIVE OFFICES (Includes Principal, Vice Principal, Office Manager and Attendance); ROOM 202-COUNSELING OFFICES (Includes Counseling, Registrar, ASB and Student Payment Window); and ROOM 204-NURSES OFFICE (Includes Health Aide).



This Way to Sustainability Conference: **Lalanya Rothenberger** and **Julie Kistle** participated in the "This Way to Sustainability Conference" at CSUC on Friday, March 27, with Tino Nava from PG&E and Lucid. It was a great success. The PowerPoint they presented is attached at the end of this Update.

Maintenance & Operations and Transportation: Hope everyone enjoyed a nice Spring Recess! Following is a list of a few projects that our team worked on during break:

- Helped Facilities with the office move at Bidwell Jr. High school;
- Painted the office and installed a new chiller tower for the HVAC System at Little Chico Creek Elementary;
- Completed preventative maintenance on the chiller system at Forest Ranch Charter school;
- Performed a main line water repair at Emma Wilson Elementary;
- Installed new kitchen equipment at Bidwell Jr. High and Emma Wilson Elementary schools;
- Performed districtwide tile floor repair and furniture moves;
- Worked with Northern California Schools Insurance Group/Infrared Testing Inc. from Chicago, Illinois in conducting infrared testing. The purpose of this inspection is to locate and identify thermal anomalies in electrical components and other problems that might lead to a failure in the equipment and affiliated systems. Some of the equipment that was tested included breaker panels, transformers, switchgears and electrical mains at Pleasant Valley and Chico High schools. No problems were found;
- Our custodial team did an AWESOME job at our sites with extra deep cleaning, along with floor scrubbing and waxing, while concentrating on high profile areas;

- The District Bakery located at the Corp Yard also had members from the custodial staff perform a cleaning “make-over” which included moving all the equipment, cleaning the ceilings, walls and floors, and then putting the equipment back in place; and
- Transportation had a few buses running during the Spring Recess for Intersession/ADA Recoup.

Congratulations to Our “Great Bus Riders”!



Papa Murphy’s Pizza on Eaton Rd. has kindly donated “Great Bus Rider Awards” for the students riding on our buses. The award entitles the student to a free “Mini Murph Make ‘N’ Bake Pizza Kit”. Each week, a student on each bus gets an award for “Great Behavior”. This has inspired the students to use their best behavior on the buses. This program has been in place for the last month. We have been able to hand out over 100 awards so far. Thanks again to Papa Murphy’s on Eaton Rd. for the awards.

State Water Board Expands and Extends Emergency Water Conservation Regulation: As California enters a fourth year of severe drought, the State Water Resources Control Board on Tuesday, March 17, adopted and expanded emergency regulations to safeguard the state’s remaining water supplies. The unanimous vote extends a host of drought rules adopted last year, including a statewide ban on hosing off driveways and decks and mandatory reporting by water agencies of their conservation progress. The regulations are intended to safeguard water supplies in the face of continuing drought. The Sierra Nevada snowpack is at its lowest point in 100 years and reservoirs are dramatically low. Many water supply systems face a present or threatened risk of inadequate supply.

The emergency regulations will limit outdoor irrigation with potable water to two days a week for urban water suppliers that do not already have limits on the number of days per week. Adopted last summer, the regulations ban:

- washing down sidewalks and driveways;
- watering outdoor landscapes in a manner that causes excess runoff;
- washing a motor vehicle with a hose, unless the hose is fitted with a shut-off nozzle;
- operating a fountain or decorative water feature, unless the water is part of a recirculating system; and
- irrigating turf or ornamental landscapes during and 48 hours following measurable precipitation (new).

Urban water suppliers must activate their water shortage contingency plans to a level where outdoor, potable water irrigation restrictions are mandatory. Water suppliers can ask for approval of an alternate plan that involves an allocation-based rate structure. Only two such plans have been approved to date.

M/O is working closely with Cal-Water to determine what effects this will have on CUSD. Please click on the following link for a very informative article that was in the Sacramento Bee:

<http://www.sacbee.com/news/state/california/water-and-drought/article15199547.html#storylink=cpy>

NEWS FROM HUMAN RESOURCES

Classified Human Resources--Tuberculosis Clearances: Employees who recently received a notice from the HR Department that their TB clearance has expired or will expire within the next year please take note of the change of date for the TB Clearance X-rays. The company that does the screening just notified the HR Department that they need to change the date from Monday, April 27 to Monday, April 20. Correct information follows.

The California Chest X-Ray Survey Mobile Unit will be available on:

DATE: Monday, April 20, 2015
PLACE: KMART parking lot on Pillsbury Road
TIME: 2:00-5:00 p.m.

X-rays will be given free of charge to CUSD employees whose TB clearance expiration date falls before April 2016 provided they present the authorization card that was sent to them by the HR Department.

We also want employees to know that in lieu of the TB van (x-ray) as well as the skin test employees now have an option of taking an assessment questionnaire. Depending upon responses of the assessment, employees with low risk to TB can be approved by a health provider to skip the x-ray as well as the skin test.

De-escalation Training: Two separate De-escalation Training presentations, presented by Butte County Sheriff's Office Jail Commander **Andrew Duch**, were offered on February 9, 2015, to a large audience of teachers at Pleasant Valley High School. The training was well received. Additionally, a recent training by Mr. Duch was video recorded and we hope to incorporate this training into our orientations and to offer as future trainings.

Educational Resource: We have purchased 50 paperback books which will be made available for all staff, and specifically to our IPS staff, who work with autistic students. The book, "*The Blue Bottle Mystery – An Asperger Adventure*" by Kathy Hoopmann, is an excellent resource for those employees who are interested in learning more about students with autism. The 93 page book is a very quick read that will provide the reader with an insight into how a student with Asperger's Syndrome views the world. These books will be distributed to special education classrooms by Jeaner Kassel and will be available for checkout. There is no requirement to read these resources but we wanted them to be available for employees who are interested in knowing more about Asperger's.

Employee Training: Our department has saved money within its budget to send two (2) IPS employees to the Para-educator conference in San Jose. The selection was made based upon input from Special Education Director, **Eric Sneider** and Principal, **Jeaner Kassel**.

Employment Opportunities: The following job listings that can be found on the Chico Unified School District website @ <http://www.chicousd.org/Departments/Human-Resources/Classified-Non-Teaching/index.html>

<http://www.edjoin.org/searchResults.aspx?countyID=4&districtID=68&catID=3>

Job Opportunities

Classification	Closing Date	Salary (Placement is at the first step)
Substitute Licensed Vocation Nurse	Until Filled	\$17.66/hour

NEWS FROM OUR SCHOOLS

Cinderella: The CUSD Center for the Arts building was proud to play host to Inspire School of Arts and Sciences' production of Rogers and Hammerstein's "Cinderella." The cast and crew of Inspire provided three free showings of the performance for CUSD Elementary and Special Ed students. Over 1,200 students had the opportunity to see professionally built sets and a top notch orchestra under the Direction of Mr. **Jim White**, one of Inspire's music teachers. The cast and crew of 80, under the direction of **Jarrah Myles** and vocal direction by **Mary Lou Lim**, gave the students and the community of Chico a professional level production. "That play was excellent. They should invite the cast up to Ashland to put it on up there. It was as good, if not better, than what the professionals put on there," stated a long time theater goer. Thank you Inspire students and staff for providing a special memory for CUSD students. ~ **Phil Morgan**, CUSD Facilities Coordinator, CFA Manager

Thank You Boosters: CHS appreciates the new room full of weight lifting equipment and flooring recently purchased/donated by the Boosters! This is an amazing gift that will benefit students and student athletes for many years to come. We appreciate boosters continuing generosity for seemingly always coming through for our students and teams ~ **Jim Hanlon**

Welcome Back Sue Delgado and the CHS Choir! After representing CHS in New York City at Carnegie Hall, all reports are that our students were exemplary! Congratulations on a fantastic trip and performance. Thank you Sue for going way above and beyond for our students. For many (if not all) it will be a trip they treasure for a lifetime.

Seven months, 2,800 miles, and \$107,000.
Sue and the kids were AWESOME!
Proud does not even begin to cover it.



Brian Boyer stated last night was pretty darn amazing. Sue and her choir took their game to a new level - surrounded by ten of the finest choirs in the nation, their performance stood out. They joined in with several other choirs to sing four songs AND they were asked to independently perform one of the pieces they had sung during the previous day's adjudication. Not every choir was recognized this way. Brian was honored to be sitting in the finest music hall in the nation listening to a bunch of home town kids putting Chico High on the map.

Pleasant Valley High Band Headed to Disneyland: In case you did not see the article in the Enterprise-Record - although they made a typo...PVHS has raised \$30,000, not \$3,000 to make a trip to Disneyland - the link follows: <http://www.chicoer.com/general-news/20150328/pleasant-valley-high-school-band-headed-to-disneyland>

Hooker Oak Blood Drive: On Thursday, April 9, Hooker Oak teacher **Beth Geise** hosted another blood drive at Hooker Oak school (in the blood bus). Thank you Beth Geise for organizing this positive event each year!

Marigold Students Show Their School Pride: Although Marigold School was broken into five times this year, resulting in damage and theft, it has not extinguished the students' pride in who they are. School spirit soared on campus in brightly colored posters and through short speeches given at a Family Day rally. The event was organized by **Lance Johnson**, who invited Chico police, emergency medical responders and firefighters to attend, partly to show appreciation. Johnson's idea to host a rally was borne as a way to counter the effects of break-ins that plagued at least 22 schools and churches in the city. Lance wanted to show the community that kids have a voice and to show that there is strength in numbers.

Cal Water Challenge Grand Prize Winners: California Water Service and the North American Association for Environmental Education recently sponsored an environmentally-focused, project-based contest to encourage students to explore innovative ways to conserve water. **Kelli Voss's** 5th grade class along with her student teacher, **Sarah Greenberg**, at Shasta entered a project where the students planned, priced, constructed and implemented a series of rain gutters on our garden buildings that drain into rainwater buckets. The buckets are connected to a student-built drip system that will keep the various garden plots watered during the drier months. Over 70 schools participated in the contest and Mrs. Voss's class won the Grand Prize. She will receive a \$2,500 dollar grant for her classroom and a fully-funded three-day field trip to the Channel Islands for all of the students in her class.

The awards presentation was held at Shasta Elementary on April 2. The President/CEO of Cal Water Service enthusiastically addressed the gathered students and made the surprise announcement that Kelli's class had won. Several officials from the WestEd K-12 Alliance, Klean Kanteen, Cal Water and the NAAEE were in attendance and cheered the students on when they were brought up to the stage to receive t-shirts, plaques and water bottles. Their website can be found at <http://sgreenberg3.wix.com/room-17-challenge>





NEWS FROM OUR COMMUNITY

Chico Museum Exhibit: The 16 winning art pieces from the BCOE Superintendent's First Annual High School Art Show are moving to a Chico Museum exhibit tomorrow and will be on display through April 30. BCOE hosted an Open House Reception on Thursday, April 9 at the museum. Please see the flyer at the end of the update for more details.

Silver Telly Award: A video featuring Chico Unified School District Principals **Jim Hanlon** and **John Shepherd** has been selected for a "Silver Telly Award" by the Silver Telly Council, a professional group comprised of top professionals in the video industry. The Telly Awards is the premier award honoring the finest film and video productions, groundbreaking web commercials, videos and films, and outstanding local, regional, and cable TV commercials and programs. The mission of the Telly Award has been to strengthen the visual arts community by inspiring, promoting, and supporting creativity. The 35th Annual Telly Awards received over 12,000 entries from all 50 states and 5 continents.

The video, *Live a Life of Excellence*, provides an overview of the *Athlete Committed* Program which is a collaborative effort between the Butte County Behavioral Health Prevention Unit and the District. Jim Hanlon, Principal of Chico High School, and John Shepherd, Principal of Pleasant Valley High School, are featured in the video as are several students from both schools. A special thanks to Danelle Campbell, Program Manager of the Butte County Behavioral Health Prevention Unit and her team, Ryan Gulbrandsen and Amanda Montgomery, along with the producer, Stephen Diaz of Tre Creative Video. The four minute video can be viewed at the following link:

<http://vimeo.com/101527670>

CUSD IN THE NEWS

[A critical pitch](#)

[Letter: CUSD board should take close look at Wildflower](#)

[Marigold, Loma Vista schools, church latest targets of break ins; Windows broken, 'mess' left behind](#)

[Letter: Many help make Chico Science Fair a success](#)

[Elementary upgrade](#)

[Letter: Grand Jury should look at CUSD operations](#)

[Chico school board to consider charter renewal, armed patrols during non-school hours](#)

[CARD to talk more about aquatic center](#)

[District considering armed security for campuses](#)

[Chico school board OKs exam waivers for substitutes in case of teacher strike](#)

[Letter: Chico school board should let teachers speak out](#)

[Chico charter school completes \\$7.9 million building project](#)

[Letter: CUSD board foolish to consider subpar subs](#)

[Letter: Why do you print such irrational opinions?](#)

[Teacher contract no done deal](#)

SAVE THE DATE!!



Special Olympics

SCHOOL SITE TRACK MEET

May 1, 2015

**NOW AT
HARRISON STADIUM
IN OROVILLE**

WE HOPE TO SEE YOU THERE!!

Contact your districts' Adapted PE Specialist
with questions about the event



**Superintendent's
Award Winning**

HIGH SCHOOL ART SHOW @ THE CHICO MUSEUM



**Open House Reception
Thursday, April 9
5:30-7pm**

**Chico Museum
141 Salem Street ☞ Downtown Chico
Light Refreshments**

The 16 award winning entries from the BCOE Superintendent's First Annual Juried High School Art Show are now on display at the Chico Museum. Don't miss this exhibit of the finest examples of student art work from Butte County high schools!

Enjoy the BCOE Student Art Show as well as the current exhibits at the Chico Museum – *One Hundred Years of Chico History* and *Mechoopda: This is Our Home, Here We Remain*, presented in collaboration with the Mechoopda Indian Tribe of the Chico Rancheria. After the reception, you can take a stroll through the Thursday Night Downtown Farmers' Market too!

On display are the *Best of Show* and 1st, 2nd, and 3rd place in each of the following categories: 1) Paint & Pastel 2) Pencil, Ink, & Charcoal 3) Digital Photography 4) Mixed Media 5) 3-Dimensional Art. The Superintendent's show was open to all Butte County high school students in grades 9-12 that were selected by their schools to participate.

**The BCOE Student Art Show @ The Chico Museum
April 1-30, 2015**

The museum is open Wednesday – Sunday, 12-4 pm.





How the use of real-time energy monitoring can help you achieve your organization's sustainability goals

This Way to Sustainability Conference X - California State University, Chico - March 27th, 2015

Introductions



Julia Kistle
Director of Facilities and Construction
Chico Unified School District



Lalanya Rothenberger
Construction and Energy Manager
Chico Unified School District



Tino Nava
Customer Relationship Manager
Pacific Gas and Electric



Kayla Mahoney
Customer Success Manager
Lucid



Presentation Overview

- Commitment to Sustainability
- Using Technology to Solve Our Energy Problems
- Selecting Lucid
- Lucid's Building OS
- Lucid's Building Dashboard
- PG&E's Role
- Step One: How We Got Started
- Step Two: Moving Forward
- Current Status of Implementation
- Best Practices and Lessons Learned
- Question and Answer



Commitment to Sustainability

Our Local Community is Committed to Sustainability:

- City of Chico, Butte County, Butte College, Chico State, Sierra Nevada Brewing Company

Sustainability Measures taken by CUSD (2005-present):

- District integrated an Energy Management System "EMS"
- We generate over 2M Kwh annually of electricity with our 7 solar installations
- Performed a lighting retrofit project encompassing all campuses (significant reduction)
- 3 High Performance Buildings through the Collaboration High Performance Schools (energy efficient buildings, water conservation, natural daylighting, reduced construction waste etc.)

We are not stopping there! We want to be sustainable leaders in the North State

- Now we are working to use technology to take us to the next level



Using Technology to Solve Our Energy Problems

- In order to continue making strides towards our goals – we needed more detailed information on our consumption:
 - First step is to understand the usage patterns
 - Second step is to identify areas where improvement can be made
- Third step is to use this data to implement change

With Lucid's Gateway we now get Real-Time Data and Dashboard with Analytics (which you will see in a few minutes!)

- Additional benefits:
 - School competitions provide an incentive to change behavior
 - Education tool for all several curriculums: sustainability, weather, science classes
 - Web based so anyone can access



Selecting Lucid

Why Lucid?

- Behavioral Efficiency and Energy Management Leader
- Not proprietary -The system can work with all different manufacturers equipment
- Easy to use
- Inexpensive to implement
- Educational tool
- Shared goals

How we are going to use Lucid:

- Use Measurement & Verification tools for proving SIR for Proposition 39 funded projects
- Occupant Engagement tools to help build behavioral efficiency programs throughout CUSD
- Leverage the PG&E SmartMeter initiative using advanced technology



Lucid

Santee School District + Clovis School District

- Santee saw an overall reduction of **14.7%**, saving approximately **35,200** kilowatt-hours, **\$7,745**, and **24,600** pounds of carbon dioxide emissions. Christina Becker, their Director of Maintenance, Facilities and Operations said, "Parents, teachers, and students were overwhelmed with how they could make a difference in saving classroom energy dollars."
- Clovis saw a **21.0%** reduction, which is equivalent to **51,700** kilowatt-hours and **\$8,481**.

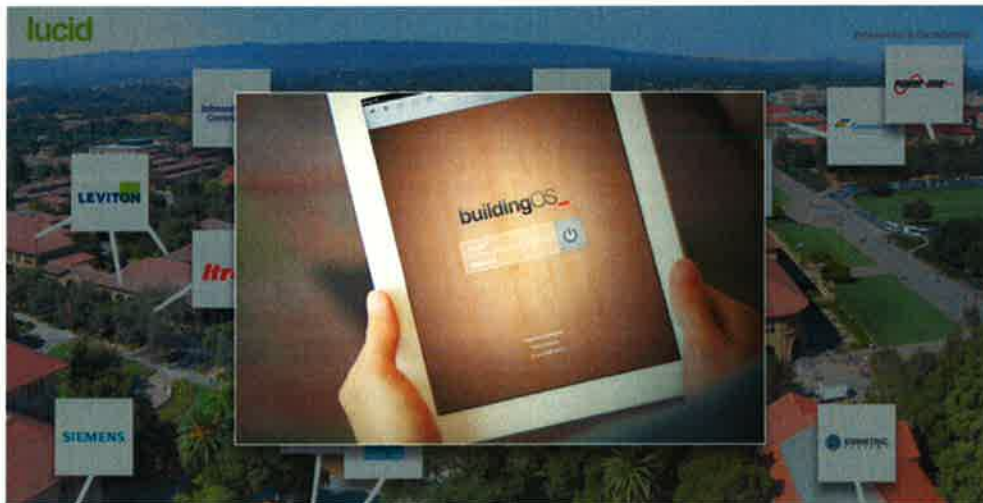


Tips!

1. Turn off lights
2. Unplug electronics after school
3. Send daily alerts to teachers and staff as a reminder to minimize lighting use
4. Turn off air conditioning in multi-purpose rooms and unoccupied classrooms immediately after school.

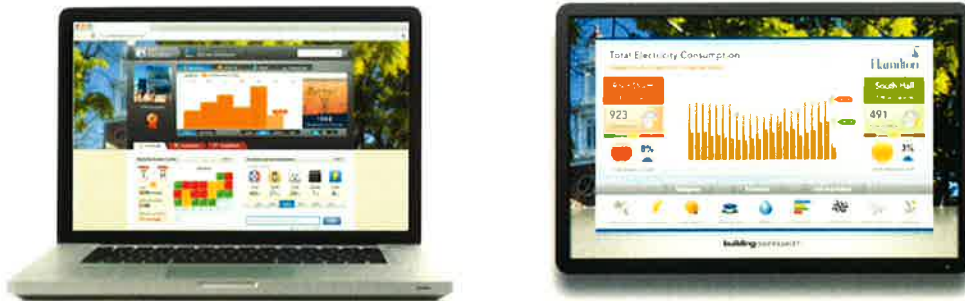


Lucid's BuildingOS



Lucid's Building Dashboard

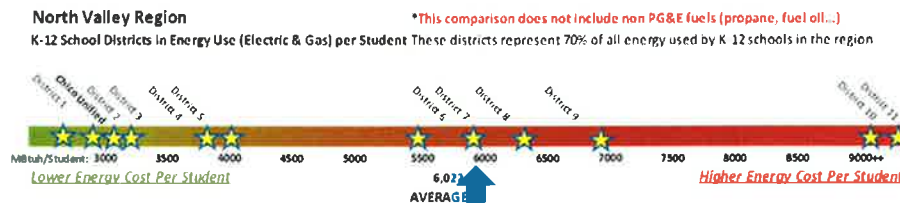
Building Dashboard Network + Building Dashboard Kiosk



PG&E's Role

- Knowledge is Power: PG&E has detailed energy use and savings data
- Informed Decision Making: Data helps identify options
- Energy Best Practices: Knowing how to compare to similar businesses

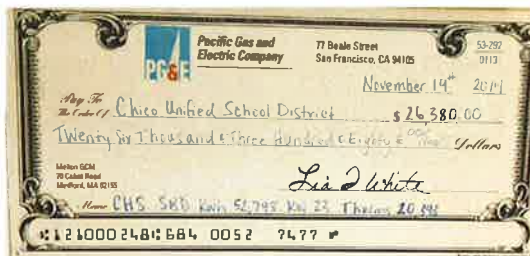
Schools Comparison Example:



PG&E's Role

PG&E can assist you

- Energy Data
- Energy Site Survey
- Rebates and Incentives
- Savings Calculations and Technical Support



Step One: How We Got Started

Scoping the Project

- Real-time electricity metering
- Rainforest Eagle Gateways and eGauge Devices
- All schools – 22 in total
- Utility bill entry
- Choosing resources to monitor – Electricity



Budget

- Lucid worked with Facilities Department to find a technology and plan within budget
- CUSD allocated some Prop 39 funding to implement the Lucid technology

Defining a Timeline

- Each stage defined and tracked by Lucid Project Manager and Implementation Team
- Outlined milestones to reach specific implementation goals along the way



Step Two: Moving Forward

Site Auditing

- Gather list of all PG&E SmartMeters, and identify their compatibility with the Rainforest Eagle Gateways
- Report back to PG&E, which meters needed to be updated to be compatible
- Identify the best location each site for installation

Installation

- Source and install initial Rainforest Eagle Gateways at first school, Rosedale Elementary
- Outline an installation plan based on IT upgrade schedule, and school schedule constraints
- Configure all gateways to work on the CUSD sub-network
- Request Zigbee protocol connection to meters through PG&E

Verification

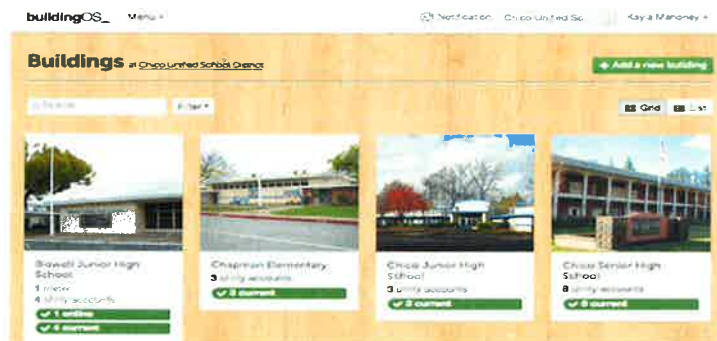
- CUSD ran verify the gateways were working
- Lucid and CUSD did some troubleshooting, when any data outages occurred



Current Status of Implementation

Status of Buildings

- 7 sites with 8 meters currently streaming on-line
- 5 minute interval data to Building OS
- Plan to have remaining sites online by Summer 2015
- Begin planning for competitions following full implementation



Current Status of Implementation

Historical Data

- CUSD, ARC and Lucid worked together to compile historical PG&E data from 2002
- Baseline of historical usage and trends



Best Practices / Lessons Learned

Lessons Learned

Scoping the Project

- Ensuring compatibility with technology including collaboration with IT, local utility, and other stakeholders
- Location of installation is very important - proximity to SmartMeter and availability of network and power

Defining a Timeline

- Make sure you have adequate time to scope and source all meters, and make any changes internally
- Track all progress and set goals for you and your team

Best Practices

- Establish an Implementation Team early
- Educate yourself on all of the technology options available for your organization
- Create a schedule and track progress with all stakeholders on a regular basis
- Using spreadsheets and Gantt charts to keep track of all your work in an organized way -

