



Contra Costa Community College District

Districtwide Facilities Readiness (HVAC Assessments) Update

Chancellor's Town Hall Meeting

May 3, 2021

Overview of the Assessment

Field assessments are needed in order for us to determine the level and location of needed modifications.

TRC is in the process of assessing all of the HVAC systems serving all of buildings at every campus:

- 6 sites
- 129 buildings
- 440 building systems (HVAC)
- 1.7 million square foot of space

A team of 8 engineers focused on helping us complete these HVAC assessment efforts.

Collaborating with campus Maintenance and Operations staff to gain access and complete the assessments.

Overview & Team Members

Taylor Engineering LLP (Alameda)

Taylor Engineering is a nationally recognized engineering firm specializing in mechanical systems design and construction, energy conservation, indoor air quality, controls, and system commissioning.

www.taylorengineers.com

www.taylorengineers.com/taylor-engineering-covid-19-whitepaper

Hwakong Cheng, P.E., Principal – Project Lead

Steve Taylor, P.E., FASHRAE, Principal and Founder – Subject Matter Expert

Overview & Team Members

TRC:

TRC is a national engineering firm with a 40 year presence in the Bay Area. Experts in behind the meter systems and energy efficiency. <https://www.trccompanies.com/>

Team members:

Colman Snaith, PE, QCxP, CMVP – Director of Engineering

Leads a team of engineers specializing in understanding how buildings use energy, identifying efficiency opportunities, and verifying actual operations through metering.

Paul David, PE, CRM, CEPP, LEED AP – VP of Engineering

Responsible for TRC's Advanced Energy national engineering practice.

Gwelen Paliaga, PE, LEED AP – Director of Research and Technology Commercialization

Leads cross-discipline research and consulting that combines engineering, building science, and human factors to advance building technologies. Appointed to the ASHRAE Standards committee responsible for overseeing all ASHRAE Standard.

Progress Update

HVAC Assessments Plan Development

- Baseline data collection process – complete
- Framework for analysis and recommendations – complete

Field Assessments

- Target completion of priority buildings in May; remainder of buildings in June
- DVC : 70 complete; LMC 70% complete; CCC starts week of 5/3

Analysis and Review of Assessment Outcomes

- Reconcile the intended use based on in-person plans & HVAC assessment outcomes;
- Priority buildings – May; remainder of buildings in June/July

Recommended Measures Implementation

- Priority buildings May/June/July/; remainder of buildings July/August/September
- We are competing with other districts + private orgs.; our speed is influenced by that

Optimize Source Control, Ongoing Education & Information Sharing

- Building on already great work that's been completed; Importance of partnership & following CDC and OSHA public health guidance.

Active Communication

- Actively communicate throughout the process; utilization of existing districtwide meetings for updates
- Progress dashboard and checklists: target June/July for dashboard implementation

Communication: Dashboards and Checklists

Select your school

ACORN Woodland Elementary

Filter school list by

Region: (All) | Level: (All) | Network: (All)

This dashboard shows the readiness level for the safety and facility measures across all districtwide programs, including Early Childhood, TK-12, and Young Adult. You can view the school-specific measures on the left, view the corresponding results for the entire district on the right, and view more general districtwide readiness measures on the bottom.

ACORN Woodland Elementary Deep East - Elementary - Network 3

Data as of April 28, 2021. Date of last safety walk-through: 3/4/2021. Date of last air filter installation: not yet installed

Active campuses	In-person programs	Indoor Hybrid
Custodial	Deep cleaning of all classrooms, restroom soap dispensers filled & repaired	Complete
	Electrostatic sprayer on site for sanitizing high touch surfaces	Complete
	New custodial COVID cleaning protocols and procedures posted in Main Office	Complete
	Tracking systems to ensure all sites are regularly cleaned and stocked with hand sanitizer, soap, paper towels	Complete
PPE	PPE inventory on site (incl surgical masks, face shields, plexiglass, hand sanitizer)	Complete
Facility readiness	Classrooms set up for social distancing standards & reduced occupancy	Complete
	Hand sanitizers located at entrances	Complete
	HEPA air purifiers on site (2 per teacher + 4 for shared spaces)	Complete - 32 on site
	HEPA air purifiers placed in classrooms and shared spaces	Complete
	Isolation space identified & set up	Complete
	Required Alameda County safety practices signs posted at Main Entrance	Complete
	Safety signs placed (social-distancing, mask-wearing, hand-washing, one-way hallway traffic)	Complete

Districtwide Summary Results

Data as of April 28, 2021

Active campuses	In-person programs	110
Custodial	Deep cleaning of all classrooms, restroom soap dispensers filled & repaired	100%
	Electrostatic sprayer on site for sanitizing high touch surfaces	100%
	New custodial COVID cleaning protocols and procedures posted in Main Office	100%
	Tracking systems to ensure all sites are regularly cleaned and stocked with hand sanitizer, soap, paper towels	100%
PPE	PPE inventory on site (incl surgical masks, face shields, plexiglass, hand sanitizer)	96%
Facility Readiness	Classrooms set up for social distancing standards & reduced occupancy	92%
	Hand sanitizers located at entrances	98%
	HEPA air purifiers on site (2 per teacher + 4 for shared spaces)	4813 distributed
	HEPA air purifiers placed in classrooms and shared spaces	93%
	Isolation space identified & set up	80%
	Required Alameda County safety practices signs posted at Main Entrance	96%
	Safety signs placed (social-distancing, mask-wearing, hand-washing, one-way hallway traffic)	95%

Thank you for your time!

Tune in to the upcoming campus updates
(today and tomorrow) for more specific information.