



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 though 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

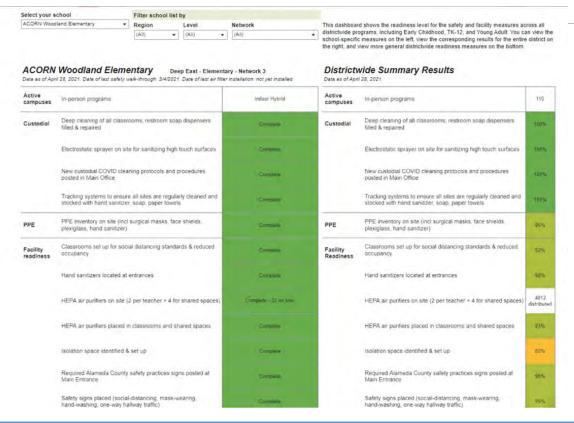
Optimize Source Control, Ongoing Education & Information Sharing

• 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



Thank you for your time!

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