

Facilities & Sustainability Minutes

Wednesday September 1, 2021 – 1:00 pm Zoom Meeting

Admin: Co-Chair: Marcos Rodriguez; Faculty Co-Chair: Pamela Kelley

Admin Reps: Mike Giacomini, Stephen Waller, Kristin Rabe, Jim Coggins

Faculty Reps: Chris McCraw; Dinorah Castro; Richard Allen Bolar, Jonathan Ward, Chris Benker, Tim Heasley, John Chicca, Fabiola Butcher

Classified Reps: Juan Torres; David Landon Webb

Students Reps:

Attendees Role for 09/01/21: Mike Giacomini, Marcos Rodriguez, Kristin Rabe, Chris McCraw, Chris Benker, James Coggins, Dinorah Castro

Absent Role for 09/01/21: Landon Webb, John Chicca, Richard Allen Bolar, Jonathan Ward, Tim Heasley, Fabiola Butcher, Pamela Kelley, Stephen Waller, Juan Torres

****APPROVED Facilities & Sustainability 09/01/21 Meeting Minutes****

Mike began the meeting by greeting the attendees. He asked about the meeting minutes from the last meeting. There were not enough people in the meeting to approve the minutes, so Mike suggested to go through the agenda.

- I. **Measure J Update** (Marcos)
 - A. Mike welcomed Marcos Rodriguez as executive director of facilities and operations
 - B. Old Welcome Center: building has been hollowed out; installed electrical, plumbing upgrades, hope to have building up and running by next spring
 - C. Administration Building: located behind new Campus Center, it has gone through complete remodel, framing up inside the building, building should be up by next spring
 - D. Campus Center: we are still finishing details, project will be completed in late May
 - E. Dining Commons and Fire Side Room: starting to see the kitchen and chimney being used
 - F. Science and Engineering Building: project completion date is late November or December. It is a three-story building, open by spring semester
 - G. Gymnasium Project and new Field House: about twenty percent into the project, looking at a couple years to complete project
 - H. Expansion of Delano campus: it has Division of the State Architect (DSA) approval just waiting final approval by the Chancellor's Office at the state level, looking at selection of a contractor in fall to start building, in eighteen months to have the second building at the Timmons campus in Delano
 - I. Arvin Project: submitted our DSA application for the urban expansion project for new school site project, and get approval early January or February, bid out and start construction by next summer

- J. Bakersfield College Southwest: it is not part of Measure J, however, campus has been constructed, looking at October to take occupancy
- K. Agriculture Building: at design phase, looking to submit for DSA approval of project in December. The current building will be demolished, and it will be replaced with two story building, nursery will be modernized, and Grimmway Gardens, also known as Edible Gardens, will be constructed adjacent to the nursery area
- L. Infrastructure Projects: they are all over campus, but Jim will cover summer projects

II. **Summer Project Update** (James)

- A. Landscape projects: landscaping between LA building and gym cleaned up around Allied Health area, taking the old out and putting the new in, a lot of time spent doing those kinds of tasks during the summer to try to get it cleaned up and make it ready for fall

III. **Fall Projects** (Marcos)

- A. Peace Garden Initiatives: first Peace Garden at the front of the library and completion is at the end of this month and planning to have a grand opening ceremony in early October, Peace Gardens being added to the Panorama campus, Delano campus, Weil Institute, and additional ones
- B. Other Projects:
 1. Wellness Path includes circle around campus that shows the walking path that can go various distances around the campus interior, around the perimeter up to five kilometers. Waiting on signs so that they can be installed
 2. Campus beautification project: inclusive with Peace Garden initiatives, it will include trees, plants, shrubs. For example, new irrigation system in agriculture farm area near Haley and Panorama, decorative wrought iron metal around the whole facility, reorganize the whole garden, orange trees will go away, and put more commercial style orchard and have an area where they stage animals for grazing
 - a. The wrought iron fence will look nicer, there will be higher security level because it is harder to get through a wrought iron fence than a chain link fence

IV. **COVID -Fall** (James)

- A. The ABC Building will be finished this weekend or next weekend due to the holiday weekend. We should have campus completely done with all the HVAC bipolar ionization, next step will be to tackle the Bakersfield College Southwest campus
- B. Portable units were put out for people to use that are still uncomfortable with staying in their area; the portable units can handle up to six thousand square feet
- C. Classrooms are being sanitized; if there is an outbreak, we can go in and do a deep clean and sanitized each classroom. We are hitting touch points. For each classroom, faculty members and students have sanitize wipes to wipe down equipment
- D. Other: installed bottle filling stations, replaced traditional drinking fountains, installed touchless faucets and air hand dryers to reduce points of contact
- E. Agriculture building: the Ag two and nine classroom's air flow is non-existent while hooked up with the ionization units. A work order or email will be done to put portable units in that area

V. **Sustainability Update**

- A. Utility Reductions due to COVID (Mike)
 - 1. We are seeing some reductions from having lower volume of people on campus, less used because we were not using Food Services
 - 2. Lower levels of electricity, primarily from not having entire campus lit, air conditioned or heated
 - 3. For the system to work, we have to create a certain amount of load about forty percent of our campus to get more sustainability. Can we use this as some form of a benchmark for us to measure against as we go forward? Can we get close to these numbers when we do bring people back on campus? Energy consumption is probably down about thirty percent
- B. Solar Field (Marcos)
 - 1. We are going through the Division of the State Architect approval this fall, and commencing activities to have things built up by next spring or early summer
 - 2. We will install batteries with the solar systems to help with demand response
 - 3. For demand response, PG&E was the last utility in California to start those rules under service territories; instead of being the traditional twelve o'clock at noon period to six o'clock as a peak period, now it is transferred over from four o'clock to nine o'clock at night because the solar production in California. So they went to the pre checked and got permission and changed the times
 - 4. Demand times will be from four to nine p.m. and these batteries will help offset any demand charges
 - 5. This will not be in every building and will not power a building. We may have small lighting systems lit, but nothing substantial
 - 6. Dr. Christian has given us direction with sustainability initiatives, and we are having weekly meetings with all three colleges, covering micro grid systems to usage of hydrogen fuel cells to power buildings to water reduction strategies. We may meet in October to have some break down of what that may look like
- C. Thermal Energy System Tank Repairs (Jim)
 - 1. Have been working with the Thermal Energy System (TES) tank for years, but, it has been running for the last two weeks, charging it at night and running the campus during the day
 - 2. We drained the tank over the weekend, we had a few classes and they had the tank at sixty plus degrees. We try to keep it at thirty-eight to thirty-nine degrees to cool the campus
 - 3. The tank has sensors from bottom to the top. We ran that chiller for six hours, and it cooled that tank to about twenty degrees. The bottom of the tank sensor read thirty-eight degrees, but we were actually able to make it three quarters of the way up that chart at thirty-eight degrees, so it is working well.
 - 4. It is a matter of getting the rest of the bugs out, getting the system all online, and it will save electricity once it is put into use

VI. Closing Notes (Marcos)

- A. For the next FSC meeting, I will have more details on Chancellor Christian's initiatives regarding sustainability and energy management
- B. Energy Management System (EMS) for standardization of the campus
 - 1. At one time, we had three different systems running this campus. We had three computers that were not being backed up, but now we have it down to where three quarters of the EMS system is on our main system that is backed up in the data

center. We are down to one computer, and there is about a quarter of the campus still on that

2. IT wants to get rid of that system because the security is open on the campus too much. We have to get rid of that system. We want to get the EMS system finished, so the rest of the campus will be on one system so that we can control it

Meeting is adjourned at 1:41 p.m.