Santa Ana College

Facilities Meeting

June 26, 2014

SAC Facilities Committee
June 26, 2014
3:00p.m. – 4:30p.m.
SAC Foundation Board Room, S-215

THE FACILITIES COMMITTEE is the participatory governance committee responsible for identifying and prioritizing capital projects including scheduled maintenance projects. It serves as an information and exchange body on facilities projects that are in construction or that are being planned.

Santa Ana College Participatory Governance Structure Handbook (May 8, 2013)

Agenda

1. Welcome and Introductions

2. Public Comments

3. Approval of Minutes – April 29, 2014 — ACTION

4. Project Updates- Carri Matsumoto/ Darryl Taylor/ Matt Schoeneman — INFORMATION
   - Bond Projects Update
   - SAC Active Project Update
   - Scheduled Maintenance Projects

5. Standing Reports (5mins.) — INFORMATION
   - HEPSS Task Force – Don Mahany
   - Facilities Report – Mark Wheeler
   - Environmental Task Force

6. Old Business — INFORMATION
   - Technology Suggestion Box update – Loy Nashua
   - Cigarette butt receptacles in Lot #1
   - Chorisia specisa aka Floss silk tree update

7. New Business
   - AR 6700 Civic Center and other Facilities Use — INFORMATION

8. Other

Next meeting September 17, 2014

The mission of Santa Ana College is to be a leader and partner in meeting the intellectual, cultural, technological, workforce and economic development needs of our diverse community. Santa Ana College prepares students for transfer, employment, careers and lifelong intellectual pursuit in a dynamic learning environment.

SAC FACILITIES MEETING
MINUTES – APRIL 29, 2014
1:30P.M. – 3:00P.M.

Draft for approval

The mission of Santa Ana College is to be a leader and partner in meeting the intellectual, cultural, technological and workforce development needs of our diverse community. Santa Ana College provides access and equity in a dynamic learning environment that prepares students for transfer, careers and lifelong intellectual pursuits in a global community.

Administrators		Academic Senate		CSEA	
Michael Collins, Co-chair	Rhonda Langston	Maria Aguilar Beltran	Susan Sherod	Edward Luna(a)	Mike Ediss
Bart Hoffman	Loy Nashua	Ray Hicks	Valinda Tivenan(a)	Sarah Salas	Maria Taylor
Jim Kennedy(a)	Linda Rose(a)	Elliott Jones, Co-chair	John Zarske	District Liaison	
Eve Kikawa	Mark Wheeler(a)		Louis Pedroza(a)	Carri Matsumoto	

Guests				Campus Safety & Security
Tom Bonetati	Adam Nyssen	Roy Shahbazian		James Wooley
Ron Jones	Renee Miller for Maria Aguilar Beltran	Tom Bonetati		ASG Representative
Don Mahany	Matt Schoeneman	Ray Hicks		Cristina Zainos(a)

1. WELCOME AND INTRODUCTIONS		
	Self Introductions were made	Meeting called to order – 1:32p.m.
2. PUBLIC COMMENTS		
	ASG Senator, Omar Chaudhry provided an overview to the members regarding suggestion boxes that have been placed in the Library, Academic Computing Center and the Math Center. The boxes are for suggestions for anything related to technology. The boxes have proven to be a very effective tool in allowing students to voice their concerns/ideas. The response to the suggestion boxes has been very good. Mr. Chaudhry would like to see the boxes become permanent and asked the Facilities committee for their support with this venture. Tom Bonetati updated the committee on the ASG MYVu project. • Mark Wheeler has been working on the logistics of the electrical work. • MTVu is waiting for approval from Mark Wheeler to approve roof access to the U building. Dr. Collins noted that he has spoken with Jorge and had reviewed the contract.	FOLLOW UP Loy Nashua will meet with Jorge Sandoval to discuss the continuance of the tech suggestion boxes and will report back at the May meeting.

3. MINUTES	DISCUSSION/COMMENTS	ACTIONS/ FOLLOW UPS
	The March 18, 2014 meeting minutes were presented for approval.	ACTION Motion was moved by M. Taylor to approve the March 18, 2014 Facilities committee minutes as presented. 2nd – M. Ediss The motion carried unanimously.
4. PROJECT UPDATES	DISCUSSION/COMMENTS	ACTIONS/ FOLLOW UPS
	Carri Matsumoto, Assistant Vice Chancellor, Facility Planning & District Construction & Support Services provided an update to the committee on the projects in planning and design. (Please see attached.) Additional comments as noted. <u>Bristol and 17th Street Parking Lot</u> • The lot will be used for overflow parking for contractors. • Approval to demo was awarded at the BOT meeting of April 28. • The City of Santa Ana has made some requests of the district regarding the lot that have yet to be worked through. <u>Dunlap Hall update</u> It was reported that construction will start once the semester ends. Logistic planning is currently taking place. Efforts are underway to prepare for the packing and relocation of staff and faculty to the temporary village. • Information and instructions regarding the move will be forwarded to Dr. Collins and Dr. Rose for review. • Space assignments are being confirmed with Dr. Rose. • Move Coordinator is preparing instructions for the faculty and staff located in that building. o The instructions will provide timelines for the move. • Boxes are scheduled to be delivered toward the end of May. • August 1, 2014 is the official date to move items on which allows two weeks to move, coordinate and set-up. o A mover will be hired and will work with the Move Coordinator on the project. There was a concern raised regarding faculty that are currently located in Dunlap but will be teaching in the summer. How will they access their materials? Ms. Matsumoto noted that she anticipates issues and questions arising through this process and although it is important to have as much information in advance, her team is prepared to work through what arises. Dr. Collins noted that he will work closely co-chair Elliott Jones in bringing any concerns/issues forward to help streamline the process.	

PROJECT UPDATES (cont.)	DISCUSSION/COMMENTS	ACTIONS/ FOLLOW UPS
	It was also noted that discussions have been underway with Shelly Jaffray and Dr. Rose where they are reviewing and troubleshooting the information before it is disseminated. It was reported that the contractor, DPR is working with the team on their contract buyouts in preparation for construction. In addition a logistics plan for the project is in the works and will be incorporated into the master logistic plan once it is complete.	
	An update of the active projects on campus was provided by Matt Schoeneman, Construction Manager, Linik Corp. (Please see attached.) Additional comments as noted. <u>Parking Lot #11 Expansion, Road Improvements, Retention Basin</u> Excavation of the soil is necessary to do in order to install the large percolation tank to install drainage in that area. The excavation is approximately 25 ft. Efforts are being made to coordinate with the Athletic department in consideration of the game schedules. Specifically the work is shutting down early on game days as well as the team is working to get as much done on practice days. Dr. Collins acknowledged and thanked Matt and McCarthy for those efforts in considering the students. Demo, excavation and mass grading has taken place in Parking Lot #11. Several underground water pipes from past projects in that area were found. The pipes were chased and several leaking pipes were capped off. Fine grading and setting up for curb and gutter has occurred. Asphalt is scheduled for the beginning of June. The temporary village will be built on the east side of parking lot #11. The work that is being done for the village is below grade in preparation to receive the portables. • The crews are working every Saturday in an effort to meet the tight, critical timelines in coordination with the move manager. <u>Planetarium Upgrade & Restroom Addition</u> • Crew is working to install new storm drain lines. • Termite damage has been identified on the building. o A review and investigation of this issue is in process. o The results may require structural review. o A structural change to the design may result which would require DSA approval. • Underground work will continue during this time. o Deep storm line will be going between the S building and the Planetarium.	

PROJECT UPDATES (cont.)	DISCUSSION/COMMENTS	ACTIONS/ FOLLOW UPS
	The timelines for the projects were provided to the committee for review. An inquiry was made regarding the memorial plaque for Bill Brush. It was noted that the plaque has been secured in the construction office and it will be part of the commemorative garden for the college. There was an inquiry regarding The Village and a vending machine area. Specifically, have there been accommodations considered for vending machines. It was noted that there are exterior outlets in the plan. Matt will research the electrical requirements for vending machines and will communicate with Dr. Collins and Carri Matsumoto. This information will help in coordinating vending machines services ahead of time.	
5. STANDING REPORTS	DISCUSSION/COMMENTS	ACTIONS/ FOLLOW UPS
HEPSS (Health, Emergency Preparedness, Safety and Security) Task Force	A HEPSS report was provided for the members (Please see attachment.) • AlertU test was conducted and training on how to send a message out took place for the Administrative staff. o Members were encouraged to sign up for AlertU and to encourage students to as well. Information on the website. • ICS location has been moved • A debrief of the evacuation drill was conducted. The new location for the ICS has been moved to A-214. This will allow for team to use the emergency power generator if needed. • A Community Emergency Response Team (CERT) training is being planned. This first training will be provided for the M&O team. This training could also be available for other campus members. There is a 48 hour training to become certified. It will be conducted over the course of a two-week training. This will involve hands on training and assist to developing ability to address our needs in times of emergency. • Monica Collins had to step away from the task force due to a conflict with her teaching schedule. Nilo Lipiz has replaced her. The importance of a CEC rep was noted. • Lt. Follo is working with SAPD in developing an Active Shooter Drill on campus. There is an unconfirmed date that is currently is being discussed. o The drill is being developed to incorporate our EOC, Emergency Operations Team and work alongside SAPD. Important for the campus to practice and be prepared for the aftermath of the incident. • There was a request for a classified member from CEC to participate on the HEPSS committee. It was noted that participation would be welcomed.	

STANDING REPORTS (cont.)	DISCUSSION/COMMENTS	ACTIONS/ FOLLOW UPS
Facilities Report	The SAC Facilities Report was presented by Mark Wheeler (see attached). In addition to the report, the following notations were made: • Necessary to update and evaluate the college's high voltage lines. This area has not been services for awhile. Preventative maintenance and repairs will take place on Sunday, May 4. A construction notice will go out to the campus. • Members were reminded that weekly facilities updates as well as campus alerts can be found on the SAC Facilities webpage. These updates are provided by Matt Schoeneman every Friday and offer valuable information on project status. o Dr. Collins thanked Matt for his work in this area. • The team will be addressing the landscaping needs of the Sheriff's Academy, however the committee was reminded of the skeleton ground's team the department has as this will not be an easy task. • The computer that controls energy management and access control has been replaced to ensure the highest level of security. An inquiry was made regarding the type of window replacement for Hammond hall. Although it is believed to be a similar retrofit, Ms. Matsumoto will be glad to receive options from Ms. Sherod.	
Environmental Task Force	A brief history of the task force's focus was provided to the membership. The task force is now turning its focus to researching vendors and making recommendations. Ms. Sherod has her students working on energy analysis ideas for the new STEM building. A review of the RSCCD Sustainability Plan – draft was sent to the membership by Ms. Sherod for members to review. She highlighted a few areas for the members. • Move toward net zero for energy and waste • Important to train staff on proper use of products. • Educate students with educational displays, building meters, etc. • Consider reducing our resources by utilizing a water catchment system, alternate roof material and designs, etc. • Incorporating bike racks strategically placed in areas that would be useful. • Consider bike paths in the design. An inquiry was made if bike racks were part of the traffic survey and engineering work that is currently being done. It was noted that the aforementioned inclusion could be explored. Dr. Collins thanked Ms. Sherod for her committee work and acknowledged her efforts. Ms. Matsumoto also extended her appreciation.	

SANTA ANA COLLEGE

RANCHO SANTIAGO Community College District

Santa Ana College
Facilities Committee Meeting
Update June 25, 2014

PHASES OF A PROJECT

PLANNING	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	CONSTRUCTION DOCUMENTS	DSA REVIEW	BID & AWARD	CONSTRUCTION	OCCUPANCY	CLOSE OUT

Projects in Planning & Design

Project	Status Description	Current Activities	Upcoming Activities	Target Milestone Dates (Subject to Change)
Chavez Hall	Measure E project in planning phase. Investigate work to assess exterior walls, parapet and finishes. Consultant has been undertaking investigations and is preparing a report for the District.	Draft Report in progress.	District reviewing report and evaluating recommendations.	Draft cost estimate and budget to be completed by June 2014. All other activities - TBD
Central Plant	Measure Q project in design phase. Replacement of underground site utilities, new central plant building, and mechanical upgrades and connection to central plant for 8 buildings. This project is currently under design and is a multi-phased project. Phase 1 Infrastructure Phase 2 Central Plant Phase 3 Mechanical Upgrades	Site surveying completed. Soils investigations completed. Draft reports in progress. Concluding Schematic phase. Project team is continuing site investigations and reviewing design, construction logistics and the sequencing of work. Reviewing utility shutdown schedules. Final soils report was submitted to California Geological Society for approval.	Entering design development phase. District met with SCE to confirm the design for various rebate programs: "Savings By Design Program", "Demand Response Program" and "Permanent Load Shifting Program".	<u>Target DSA Submittals</u> Phase 1 Infrastructure: July 2014 Phase 2 Central Plant: Sept 2014 Phase 3 Mechanical upgrades to 8 buildings: June, July, Aug, Sept, Oct, Nov 2014 <u>Target Construction Start</u> Phase 1: December 2014 Phases 2 & 3: April 2015 <u>Target Occupancy</u> Phase 1: December 2015 Phases 2 & 3: August 2016

Johnson Center	Measure Q project in planning phase. The intent of the project is to renovate the building to better utilize the space available and to repurpose the space to support new program requirements established by the Facility Master Plan and the College. The old bookstore annex is to be demolished, and additional accessibility elements to be added, including an elevator.	A Request for Proposals for Architectural Engineering services was released and received in May. Programming has been completed but needs to be reconfirmed with College so that design can begin.	AE interviews have been scheduled for June 10, 2014 for Board approval on July 21, 2014.	<u>Target Start for Design Phase:</u> June 2014 <u>Target DSA Submittal</u> June 2015 <u>Target Construction Start</u> Spring 2016 <u>Target Occupancy</u> July 2017
STEM Building	Measure Q project in planning phase. This is a new building addition to the campus.	A Request for Proposals is being developed to solicit proposals to hire an architect firm and sub-consultant team to start the programming phase.	Pending release of RFP. Revised schedule is under review to determine if design can be expedited.	<u>Target Start for Program Phase:</u> September 2014 <u>Target DSA Submittal</u> June 2015 (under review) <u>Target Construction Start</u> May 2016 (under review) <u>Target Occupancy</u> August 2018 (under review)
Bristol and 17th Street Parking Lot	Measure Q project in the design phase. This is a new surface parking lot addition.	Demolition activities underway. This project is currently in design with Donald Krotee Partnership Architects. This site will be utilized as interim parking to construction contractors.	Demolition of buildings.	<u>Target DSA Submittal</u> June 2014 <u>Target Construction Start</u> November 2014 (under review) TBD – Contractor Parking <u>Target Occupancy</u> TBD
Building H – Roof Repairs	Scheduled Maintenance	This project is currently out to bid.	Bid to be Board ratified pending bid results.	<u>Target Construction Start</u> August 2014

Building H - Painting, window replacement and screen demolition	Scheduled Maintenance	Building H to include painting, window replacement and screen demolition.	Architect developing bid documents. Bids to be advertised and released August 2014.	Target Construction Start January 2015
Building L Roof Repairs –	Scheduled Maintenance	This is a new project to repair the roof. District is scoping the project.	Budget and bid documents are being developed.	Target Construction Start Fall 2014
Buildings C, N, P & R - Roof Repairs	Scheduled Maintenance	Board approved Rejection of all Bids on May 27, 2014.	Building C, N, P and R will be re-bid as formal projects during Fall semester 2014.	Target Construction Start October 2014 (Building C, N, P, R)
Football Field Reconditioning	Scheduled Maintenance	Pre-bid walk was completed May 28, 2014 and five bidders attended. Bids were due June 6, 2014. Abatement of current grass is in progress and showing signs of die-off.	Bid to be Board ratified on July 21, 2014. Demolition and excavation activities are scheduled for week of June 30, 2014.	Target Construction Start July -September 2014
LED Lighting Upgrades	Prop 39 and Capital Facilities Project: replace interior and exterior lighting. 18 Buildings.	Exterior lighting replacement complete. Waiting on indoor LED retrofit kits.	Interior LED work. This project will likely complete in July w/close out to follow.	Target Construction Start May 15, 2014 through June 30, 2014

Rancho Santiago Community College District
Weekly Construction Update
June 25, 2014

Dunlap Hall Addition & Alterations

RSCCD Project Manager: Darryl Taylor
Architect: HMC Architects, Inc.
Construction Manager: Linik Corp.
Contractor: DPR Construction
Contract Start: 4/2/14
Contract Completion: 6/3/15

Scope: The Dunlap Hall Addition & Alterations project will replace the existing aging guard rails around the pedestrian walk ways on all levels of Dunlap Hall, remove the existing elevator and install two new elevators, renovate the restrooms, and provide a new monumental stairway on the south facing end of the new elevators.

Construction Alerts:
None

Status: Recent construction activities are listed below:

- Hard demo
- Demo, clear and grub amphitheater area
- Survey for rough grade

Upcoming and Current Activities:

- Export soil
- Rough grading and building pad compaction
- Pour concrete slab for layout and support

Demo completed in amphitheater area.

Rancho Santiago Community College District
Weekly Construction Update
June 25, 2014

Parking Lot #11 Expansion, Road Improvements, Retention Basin

RSCCD Project Manager: Darryl Taylor
Architect: W+W Architects
Construction Manager: Linik Corp.
Contractor: McCarthy Building Companies, Inc.
Contract Start: 3/3/14
Contract Completion: 9/30/14

Scope: One of three projects within the Campus Improvements Package 4 Project**.** This project includes replacing the old soccer field with a new parking lot that will include a new accessible ADA parking and an electric car charging station. Enhancement of storm drainage system to provide a retention system that will divert storm runoff back into the natural aquifer.

Construction Alerts:
None

Status: Recent construction activities are listed below:

- Install CMU Columns/Fence Pilasters
- Fine grade north lane of Campus Road
- Pour concrete benches
- Form and pour light pole bases

Current and Upcoming Activities:

- Backfill and fine grade north pedestrian walkway
- Install base at north pedestrian walkway
- Excavate east percolation field
- Pour sidewalks
- Install pavers
- Pour remaining concrete benches

Excavation operations at east percolation field.

CMU pilasters, light pole bases, and concrete benches at the north pedestrian walkway.

Rancho Santiago Community College District

Weekly Construction Update

June 25, 2014

Portable Village Swing Space

RSCCD Project Manager: Darryl Taylor
Architect: W+W Architects
Construction Manager: Linik Corp.
Contractor: McCarthy Building Companies, Inc.
Contract Start: 3/3/14
Contract Completion: 9/30/14

Scope: One of three projects within the Campus Improvements Package 4 Project**.** This project includes installation of temporary classrooms, lecture halls, and faculty/staff offices for future swing space during future building renovations.

Construction Alerts:
None

Status: Recent construction activities are listed below:

- Deliver modular buildings
- Set portable buildings on sleeper foundations

Upcoming and Current Activities:

- Install platform, ramp & stair system
- Plumbing hook-up at restroom buildings
- Rough-in and trim fire alarm system
- Rough-in and trim communications system
- Rough-in and trim CCTV system
- Rough-in and trim WIFI system
- Prime & paint exteriors
- Install carpet and rubber base

Interior of Group C portable classroom.

Portables set on foundations, ready for ramps.

Rancho Santiago Community College District
Weekly Construction Update
June 25, 2014

Dunlap Hall Addition & Alterations

RSCCD Project Manager: Darryl Taylor
Architect: HMC Architects, Inc.
Construction Manager: Linik Corp.
Contractor: DPR Construction
Contract Start: 4/2/14
Contract Completion: 6/3/15

Scope: The Dunlap Hall Addition & Alterations project will replace the existing aging guard rails around the pedestrian walk ways on all levels of Dunlap Hall, remove the existing elevator and install two new elevators, renovate the restrooms, and provide a new monumental stairway on the south facing end of the new elevators.

Construction Alerts:
None

Status: Recent construction activities are listed below:

- Hard demo
- Demo, clear and grub amphitheater area
- Survey for rough grade

Upcoming and Current Activities:

- Export soil
- Rough grading and building pad compaction
- Pour concrete slab for layout and support

Demo completed in amphitheater area.

Rancho Santiago Community College District
Weekly Construction Update
June 25, 2014

Parking Lot #11 Expansion, Road Improvements, Retention Basin

RSCCD Project Manager: Darryl Taylor
Architect: W+W Architects
Construction Manager: Linik Corp.
Contractor: McCarthy Building Companies, Inc.
Contract Start: 3/3/14
Contract Completion: 9/30/14

Scope: One of three projects within the Campus Improvements Package 4 Project**.** This project includes replacing the old soccer field with a new parking lot that will include a new accessible ADA parking and an electric car charging station. Enhancement of storm drainage system to provide a retention system that will divert storm runoff back into the natural aquifer.

Construction Alerts:
None

Status: Recent construction activities are listed below:

- Install CMU Columns/Fence Pilasters
- Fine grade north lane of Campus Road
- Pour concrete benches
- Form and pour light pole bases

Current and Upcoming Activities:

- Backfill and fine grade north pedestrian walkway
- Install base at north pedestrian walkway
- Excavate east percolation field
- Pour sidewalks
- Install pavers
- Pour remaining concrete benches

Excavation operations at east percolation field.

CMU pilasters, light pole bases, and concrete benches at the north pedestrian walkway.

Rancho Santiago Community College District

Weekly Construction Update

June 25, 2014

Portable Village Swing Space

RSCCD Project Manager: Darryl Taylor
Architect: W+W Architects
Construction Manager: Linik Corp.
Contractor: McCarthy Building Companies, Inc.
Contract Start: 3/3/14
Contract Completion: 9/30/14

Scope: One of three projects within the Campus Improvements Package 4 Project**.** This project includes installation of temporary classrooms, lecture halls, and faculty/staff offices for future swing space during future building renovations.

Construction Alerts:
None

Status: Recent construction activities are listed below:

- Deliver modular buildings
- Set portable buildings on sleeper foundations

Upcoming and Current Activities:

- Install platform, ramp & stair system
- Plumbing hook-up at restroom buildings
- Rough-in and trim fire alarm system
- Rough-in and trim communications system
- Rough-in and trim CCTV system
- Rough-in and trim WIFI system
- Prime & paint exteriors
- Install carpet and rubber base

Interior of Group C portable classroom.

Portables set on foundations, ready for ramps.

Rancho Santiago Community College District
Weekly Construction Update
June 25, 2014

Planetarium Upgrade & Restroom Addition

RSCCD Project Manager: Darryl Taylor
Architect: W+W Architects
Construction Manager: Linik Corp.
Contractor: McCarthy Building Companies, Inc.
Contract Start: 3/3/14
Contract Completion: 9/30/14

Scope: One of three projects within the Campus Improvements Package 4 Project**.** This project includes renovating the existing Tessmann Planetarium, enhancing the building exterior and constructing a new restroom annex.

Construction Alerts:
None

Status: Recent construction activities are listed below:

- Excavate footings for restroom addition
- Excavate footings for covered walkway
- Excavate, pipe, inspect and backfill site electrical
- Pour footings for restroom addition
- Install rebar at covered walkway footings
- Form footing stem walls at restroom addition

Current and Upcoming Activities:

- Pour footing stem walls at restroom addition
- Install electrical conduits in footings
- Pour footings at covered walkway
- Remove excess soil

Stem walls formed and ready for concrete pour.

Rebar cages for covered walkway footings around north and west sides of Planetarium building.

Facilities & Maintenance meeting June 26th, 2014
Health, Emergency Preparedness, Safety and Security
HEPSS MEETING ROOM – F-126
June 5. 2014 F-126

The mission of Santa Ana College is to be a leader and partner in meeting the intellectual, cultural, technological, workforce and economic development needs of our diverse community. Santa Ana College prepares students for transfer, employment, careers and lifelong intellectual pursuit in a dynamic learning environment.

MEMBERSHIP				
Rebecca Barnard	Maria Aguilar-Beltran DSPS	Michael Collins	Gary Dominguez	
John Follo	Andy Gonis	Nilo Lipiz	Donald Mahany, Chair	
Don Maus	Alistair Winter	Mark Wheeler	Ray Stowell	

		Meeting Called to Order 2:00p.m.
OLD BUSINESS	DISCUSSION/COMMENTS	ACTIONS/OUTCOME/FOLLOW UPS
Alert-U Test and Training	Considering/Researching options to replace current AlertU with a single platform system. When/If this happens the information gathered by Alert-U will be transferred.	Alistair reported:
FEMA / CERT Training	Don Mahany and Gary Dominguez could provide the FEMA sponsored training. • Requires 24 hours of training. • July start date	Work in progress; July work with Wheeler and Heller
Active Shooter drill at SAC	John Follo has been meeting with 1st responders Fire/PD • August 15th, 2014	John Follo
NEW BUSINESS	DISCUSSION/COMMENTS	ACTIONS/OUTCOME/FOLLOW UPS
1. Introduction of new members	Welcome new members, Nilo and Maria • Nilo Lipiz from CEC • Maria Aguilar-Beltran from DSPS	Mahany
2. Evacuation Drill schedule for FY 14/15	Evacuation Drill schedule for FY 14/15 • Oct 16, 2014 ; 3rd times 2 day and night classes	J. Follo

NEW BUSINESS (cont.)	DISCUSSION/COMMENTS	ACTIONS/OUTCOME/FOLLOW UPS
	• Feb 25, 2015; 1st times 2 day and night classes • We need to cover *night* Floor Wardens and Building Managers	
3. Dist Surveillance Cameras- protocols, testing	Dist Surveillance Cameras- protocols, testing • How do we know when a camera goes off line and what do we do about it? • Alistair is looking into getting some kind of computer testing of the system so we are notified when a camera goes down • These camera are not monitored they are used for research when checked for information (no one watches them on a constant basis. If someone were to signal the camera, it would *not* be seen. It would be recorded but not watched live.	J. Follo / Winter / Wheeler Wheeler
4. Door hardware/key retrofit update	Door hardware/key retrofit update • This is a big job and we are hiring a Key Consultant. • We are looking into keys with a computer chip, electronic key pads and trying to get away from a hardware key.	Wheeler/ Winter
5. Emergency interior and exterior sound system for CEC"	Improving emergency interior and exterior sound system for CEC" Some of the classrooms do not have speakers and there are no exterior speakers at all • Pyro-comm is supposed to make recommendations	Wheeler
6. Outdoor emergency lighting	Emergency Outdoor lighting at CTC; They want some kind of lighting to light the patch if power is lost outside in the parking area	Nilo / Wheeler
STANDING REPORTS	DISCUSSION/COMMENTS	ACTIONS/OUTCOME/FOLLOW UPS
SAC – John Follo	• Significant incident report;	J. Follo
Risk Management- Don Maus	• Injury report provided. See report	Don Maus
Next Meeting	**Thursday July 3rd**	**Agenda Items for March Meeting:**

SANTA ANA COLLEGE

FACILITIES UPDATE
6/26/2014

- Received 221 work orders, 17 outstanding.
- Worked very hard on getting setup for graduation which went without any major incidents.
- Spent two days at the CJTC preparing for their graduation. Did large amount of landscape work and trying to get the entire complex up to speed.
- In the process of cleaning up the landscape on campus by installing mulch in a lot of the parking lot planters to minimize the maintenance in those areas.
- The practice field is being killed in perpetration for sod in a month. The field will be ready for use in mid September.
- In the process of hiring 3 custodians and an automotive mechanic. Will be conducting interviews in the next couple of weeks.

Enviro. Task Force update 6-24-14 – Continued recommendations for thermal massing, and more

Thermal Massing Options for New Construction, as well as and Retrofit to Existing Buildings

A good reference for using concrete is "The Concrete Solution for the Changing Climate" written by The Concrete Centre in 2005. This paper pointed out the key components for success with use of concrete for either new or retrofit projects.

Key Concept: Thermal Linking

The importance of having exposed thermal mass for linking the thermal massing elements to the interior space is critical for success as pointed out in this article.

1. In new applications, planning to leave thermal massing exposed is always easily possible.
2. In retrofit applications, removing the wall, and floor coverings, and removing suspended ceilings is recommended. Adding concrete soffits and chilled beams in otherwise unused ceiling areas are fairly easy ways to add thermal mass in existing buildings.
3. Plastered finish on walls or other surfaces will conduct heat or cold very similarly to concrete, but if drywall is used, extra care is required since the method of having lines of adhesive leaves air between the board and concrete wall, so it fails to provide the thermal linkage needed. A thermally conductive adhesive over the entire board surface would be needed.

Thermal Massing works very well when combined with night cooling.

Wall options:

> It is essential where an option to use the thermal mass for cooling is being contemplated, that this forms an integral part of the brief, and key decisions regarding this certainly need to be taken before any significant architectural design work on the building is undertaken.

From:
http://www.bibm.eu/Documenten/ECP%20General%20Guidelines%20for%20Using%20Thermal%20Mass%20in%20Concrete%20Buildings%20(PM%2029%2004%2009).pdf

Accessed 6-24-2014. General Guidelines for using **thermal mass** in concrete buildings - BIBM contains some good information and is also the document from which the image below showing wall options was captured.

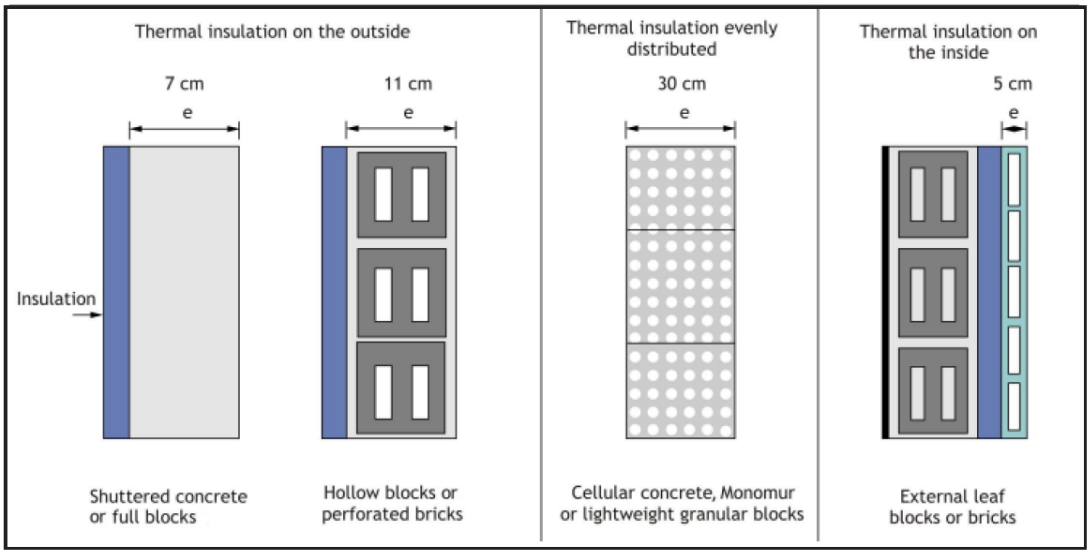

Illustration © CIMbéton

Insulation placement is important for performance to be as intended. Insulation material slows down the transfer of heat or cold, so having it located towards the outside will means that the heat or cold enters or leaves via the exterior more slowly, which has traditionally been best for buildings in the Southern CA climate zone in which SAC is located, where significant external heat and cold swings in temperature occur. In schools, in rooms with higher occupancies and multiple computers or other significant equipment that cause high internal heat loads, we may wish to vary the wall construction in response to the schools' higher internal heat loading.

High performance insulation possibilities are shown in this .pdf, which includes a Raincladding educational building project. Raincladding is a material previously recommended in the prior Enviro. Task Force Report, as it can cover existing construction, or be integrated with new construction. Due to cost being rather higher than traditional concrete block with stucco, application to only some surfaces rather than all surfaces may be appropriate.

http://www.marleyeternit.co.uk/~/media/Files/Product%20Files/Facades/Brochure%20Request/External%20Wall%20Insulation%20Solutions.PDF

Assembly Square, Commercial, Cardiff: Natura

Finish Options:

Finishes can help make or break thermal massing linkage. They must not impede the thermal properties of the concrete or other thermal massing materials.

Even color is an important consideration. Colors on the exterior that are light can reflect light and heat, while colors that are dark will retain and absorb heat.

Some exemplary practices with finishes are described from an article link shown below.

"Silicate dispersion paints – Canadian manufactured using silica sand and natural mineral pigments – were used throughout to provide rich colour and naturally mildew-free painted wall finishes. One room was even more specially treated with a clay veneer instead of any paint at all, leaving a suede-like texture that immediately attracts attention. Local clays were used to make durable, natural, earthen-based plasters on site to finish the fireplace and some baseboards." http://www.greenlivingonline.com/slideshow/four-home-sweet-home-competition-founding-homes?page=2

Although the above is a residential project, the same finishes could be used in any type of project.

Additional wall system link, explored:

Nanotechnology superinsulation! Wonderful, but cost could be high since it's so new.

http://www.azonano.com/article.aspx?ArticleID=3131

Sipcrete – insulates the center of the panel, such that it can work for either internal or external heat or cold – this could work, but if our main need is to dissipate high internal heat loads, this isn't the optimal plan.

http://www.sipcrete.com/System.htm

Cost! – last but not least from NREL http://www.nrel.gov/docs/fy14osti/61365.pdf

3.2. Design strategies

In most cases, high-efficiency building components are more expensive than standard-efficiency equivalents. However, not all efficiency strategies require additional capital investment. In particular, innovative design teams can integrate simple, passive energy-efficiency strategies into the building architecture and envelope at no additional cost. Building orientation, massing, and layout can be designed to reduce building thermal loads without increasing material or construction costs. Other passive strategies, including daylight redirection, thermal massing, natural ventilation, and solar shading, can be integrated with the building structure to create architectural designs that also save energy. The RSF's south-facing daylight redirection strategy demonstrates the value of leveraging building architecture to implement cost-effective, passive efficiency strategies. Rather than employing adjustable blinds or automatic roller shades to control solar glare, the RSF design uses passive, fixed light-redirecting devices that maximize daylight penetration and completely eliminate solar glare without requiring occupant interaction or adjustment. Well-integrated solutions can often eliminate the need for additional controls and mechanical components that increase first cost and require long-term maintenance. In the case of the RSF, application of simple, passive, well-integrated efficiency solutions such as the daylight redirection strategy enabled mechanical systems to be substantially downsized.