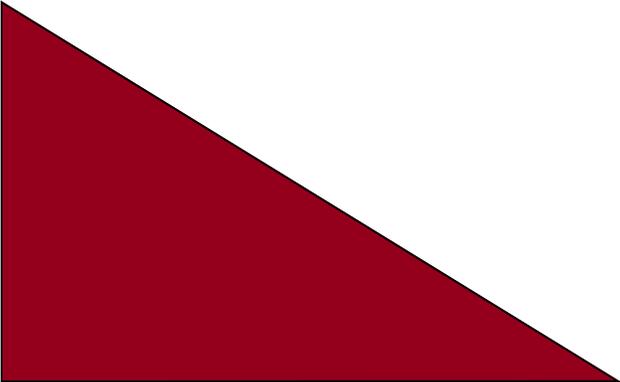




# **Santa Ana College**

## **Facilities Meeting**

**FEBRUARY 17, 2015**





SAC Facilities Committee  
February 17, 2015  
1:30p.m. – 3:00p.m.  
SAC Foundation Board Room, S-215

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*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)*

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### Agenda

1. Welcome and Introductions
2. Public Comments
3. Approval of Minutes – November 18, 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
  - Thermostat set points for summer and fall
  - Hand washing signs in restrooms
  - Cigarette butt recycling
7. New Business INFORMATION
  - Gender neutral restrooms
8. Other

Next meeting: March 17, 2015

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*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.*

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**SAC FACILITIES MEETING  
MINUTES –NOVEMBER 18, 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(a)	Maria Aguilar Beltran	Susan Sherod	Mike Ediss	vacant
Sherry DeRosa	Loy Nashua(a)	Elliott Jones, Co-chair	Valinda Tivenan(a)	Sarah Salas	Maria Taylor
Bart Hoffman(a)	Omar Torres	Dietrich Kanzler(a)	John Zarske	<b>District Liaison</b>	
Jim Kennedy(a)	Mark Wheeler	George Moore(a)		Carri Matsumoto	
Eve Kikawa					
Guests				<b>Campus Safety &amp; Security</b>	
Tom Bonetati	Steve Marshall	**Ray Stowell for Mike Colver		**Mike Colver(a)	
*Gilbert Cossio for R. Langston	John Tran			<b>ASG Representative</b>	
Evee Hurtado	Matt Schoeneman			Kyle Murphy	
<b>1. WELCOME AND INTRODUCTIONS</b>					
	Self Introductions were made			Meeting called to order – 1:32p.m. Adjourned at 2:54p.m.	
<b>2. PUBLIC COMMENTS</b>					
	An ASG representative brought forward a need for gender neutral restrooms on campus for the committee's consideration. It was noted that a resolution regarding gender neutral restrooms was passed at the SSSCC (Student Senate for California Colleges).			This item will be brought back for discussion at the February 17 meeting.	
<b>3. MINUTES</b>					
	<b>DISCUSSION/COMMENTS</b>			<b>ACTIONS/ FOLLOW UPS</b>	
	The October 21, 2014 meeting minutes were presented for approval.			<b>ACTION</b> Motion was moved by R. Stowell to approve the October 21, 2014 Facilities committee minutes as presented. 2 <sup>nd</sup> – M. Wheeler The motion carried with one abstention.	
<b>4. PROJECT UPDATES</b>					
	<b>DISCUSSION/COMMENTS</b>			<b>ACTIONS/ FOLLOW UPS</b>	
	Carri Matsumoto provided the membership with an overview of the Measure Q projects as well as Active Projects (see attached). Additional comments as noted.				

PROJECT UPDATES (cont.)	DISCUSSION/COMMENTS	ACTIONS/ FOLLOW UPS
	<p>There was an inquiry regarding the video demonstrated at the October 21 meeting. Has it been uploaded to the web?</p> <ul style="list-style-type: none"> <li>• The video is not currently on the web, however will be by the winter break.</li> <li>• In addition, Facilities Planning will be providing a three week look ahead video clip.</li> </ul> <p><b>STEM Building</b></p> <ul style="list-style-type: none"> <li>• Several programming meetings are scheduled.</li> <li>• Design phase to hopefully begin in the new year.</li> </ul> <p>Summer 2016 is still the target for the demolition of Johnson and STEM building. No changes have been made at this time.</p> <p><b>CEC Parking Lot Slurry and Re-stripping</b></p> <ul style="list-style-type: none"> <li>• There have been some changes to the scope of work.</li> <li>• Some discussions have occurred regarding adding a back lot.</li> <li>• Scoping out the work properly is key.</li> <li>• Due to the high usage of the lots, it's important to work with the college in the execution of the project.</li> <li>• Phasing the work or completing it all at once affects the costs.</li> <li>• The project is short-funded.</li> </ul> <p><b>Building H – Painting, window replacement and screen demolition</b></p> <ul style="list-style-type: none"> <li>• It was noted that the work originally scheduled for building H had been moved to Summer 2015. Hence, the H building had not been scheduled for Intersession classes. Due to this change, the building will be rescheduled to hold classes for Intersession 2015.</li> </ul> <p>It was noted that the goal is to have Scheduled Maintenance projects scoped and out to bid with target dates by the end of the school year(June 2015).</p> <p>Currently work is being done related to the LED conversion for the DMC and Sheriff's Academy. The work is being scoped and will be submitted to see if it is eligible for Prop. 39 funding.</p> <p><b>Dunlap Hall</b></p> <ul style="list-style-type: none"> <li>• DSA has signed off on all the DSA pile remediation repair work.</li> <li>• A 300 yard concrete pour has been scheduled and a construction alert will be submitted to Facilities.</li> <li>• Currently working on surface repairs on deck landings 2, 3 and 4.</li> <li>• Final prep work related to the guardrails attachment is also underway.</li> <li>• The project is running a few weeks behind schedule. <ul style="list-style-type: none"> <li>○ Currently working on a recovery schedule with the contractor.</li> <li>○ Better timeline will be known after December.</li> </ul> </li> </ul> <p>In consideration of the development of the summer schedule, a status update will be provided the 1<sup>st</sup> week of January.</p>	

PROJECT UPDATES (cont.)	DISCUSSION/COMMENTS	ACTIONS/ FOLLOW UPS
	<p><b>Planetarium</b>  Members were advised that a plaster system has been installed that will allow the team to recapture a couple of days in the schedule.  The project is due to complete in February with a March occupancy.</p>	
	<p><b>Roof Repairs</b>  It was noted that many of the campus buildings have been identified with roof deficiencies. They either need a repair or replacement. The goal was to have the work done before the rains.</p> <p>The bids were to go out earlier however there were some bidding issues that delayed that process.</p> <p>The following update was provided:</p> <ul style="list-style-type: none"> <li>• Bldg. L has received the first coat of the roofing system with the second coat being applied during the break.</li> <li>• Bldg. R will be receiving the same roofing restoration system as L which will involve the traditional style of a kettle and mop.</li> <li>• There will be a roof tear off on bldg. N from 4:00p.m. – 10:00p.m. on 11/19 followed by roof activity the following day to ensure everything is water tight.</li> </ul> <p>The work will proceed with bldgs. C, P &amp; R. It was noted that some additional precautions will be taken with bldg. R as this will involve the roofing restoration process.</p> <p>There was discussion regarding the odor caused by the roofing work in L.</p> <ul style="list-style-type: none"> <li>• Precautions were taken however fumes were still drawn into the building.</li> <li>• Engineering methods were not sufficient to handle the odor issue.</li> <li>• HVAC units were shut off and the building shut down at 3:00p.m. <ul style="list-style-type: none"> <li>○ Due to the damp weather curing process did not complete overnight and subsequently the odor persisted the following day and the library was closed down by noon.</li> </ul> </li> <li>• District Facilities consulted with an environmental hygienist who recommended the building stays closed for the next two days and keep the fresh air intake running 24 hours to dissipate the order. <ul style="list-style-type: none"> <li>○ Response options will be discussed after the meeting.</li> </ul> </li> </ul>	
<b>5. Standing Reports</b>	<b>DISCUSSION/COMMENTS</b>	<b>ACTIONS/ FOLLOW UPS</b>
<b>HEPSS (Health, Emergency Preparedness, Safety and Security Task Force)</b>	<p>A HEPSS report was provided for the members. (Please see attachment).  Additional comments as noted.</p> <p>It was reported that the task force is focusing on making sure appropriate measures are taken in cases of medical emergencies in the classroom.</p>	

Standing Reports (cont.)	DISCUSSION/COMMENTS	ACTIONS/ FOLLOW UPS
	<p>The members were presented with the revised Student Emergency Notifications document.</p> <ul style="list-style-type: none"> <li>• This document has been updated by the committee to ensure that it address the desire of the task force.</li> <li>• The document is to be read, handed out or presented the first day of class to students.</li> <li>• Empowers students to call 911 or Security</li> <li>• The document also noted the Run, Hide Fight video as well as the Emergency Preparedness Video for Students. <ul style="list-style-type: none"> <li>○ Both videos are critical videos that should be shown to students that first day of class.]</li> <li>○ The information presented provides students with information to protect themselves in the event of an emergency.</li> </ul> </li> </ul> <p>The membership was also presented with the Faculty &amp; Staff Emergency Guide.</p> <ul style="list-style-type: none"> <li>• This document is to be placed in the classroom next to the telephone.</li> <li>• It outlines what to do in an earthquake, fire, medical, suspicious activity and active shooter.</li> <li>• It's a quick reference guide for the entire institution.</li> <li>• It is to be placed in all offices and classrooms.</li> <li>• Both documents will be presented at College Council, Facilities committee, Management Council, Academic Senate and the Deans' meeting.</li> </ul> <p>It was clarified that if an altercation is noted on campus, call Campus Safety. Campus Safety does have the authority to break up fights.</p> <p>Signage on campus, <b>If you SEE something, SAY something</b> was mentioned, emphasizing that if you suspect suspicious activity, call Campus Safety.</p>	
<b>Facilities Report</b>	<p>The SAC Facilities Report was presented by Mark Wheeler (see attached). Additional comments as noted.</p> <ul style="list-style-type: none"> <li>• The new marquee in Phillips Hall has been installed and is expected to be operable in December.</li> </ul> <p>Members were reminded that importance of the online work order system. The online work order system allows the Facilities team to measure their effectiveness. As well as to evaluate are they achieving their intended outcomes.</p>	
<b>Environmental Task Force</b>	<p>An overview of rebates through MWD was provided to the membership. Santa Ana College does meet the criteria as an institution to apply. These rebates are available annually.</p> <p>The membership was also provided information on Daylight Harvesting. It was noted that there are rebates available through Edison for utilizing daylight sensors. The sensors adjust the lighting in the rooms according to the need.</p>	

Standing Reports (cont.)	DISCUSSION/COMMENTS	ACTIONS/ FOLLOW UPS
	<p>It was noted that studies indicate the daylight leads to better retention for students.</p> <p>The information for both rebate programs was provided.</p>	
	<p><b>RSCCD Sustainability Plan</b></p> <ul style="list-style-type: none"> <li>• The last round of comments have been received and will be incorporated into the draft. <ul style="list-style-type: none"> <li>○ A recommendation to initiate a sub working group from ASG has been incorporated into the plan.</li> </ul> </li> <li>• The final draft of the plan should be sent to the SRC members in November.</li> <li>• When the committee convenes the final draft will be reviewed.</li> <li>• The plan is a good starting point for the district with a lot of valuable input received.</li> <li>• The final plan will be published on the website.</li> </ul>	
6. Old Business	DISCUSSION/COMMENTS	ACTIONS/ FOLLOW UPS
	<p><b>Status of the Bill Brush Plaque</b></p> <p>Efforts are moving forward to place the Bill Brush Plaque on a rock that will be placed in the campus memorial garden.</p>	
	<p><b>Car Charging Stations</b></p> <p>A survey of cost per kilowatt hour of the surrounding schools has been conducted.</p> <ul style="list-style-type: none"> <li>• There are a large number of charging stations in the immediate area.</li> <li>• The going rate for charging stations is .47 per hour with a two hour minimum.</li> </ul> <p>Mark Wheeler has been working with Chargepoint and is recommending charging .50 per hour per kilowatt with a two hour maximum.</p> <ul style="list-style-type: none"> <li>• The average rate received from Edison is .27 per kilowatt.</li> <li>• .10 of the .50 rate would go to Chargepoint for administrative costs.</li> </ul> <p>Discussion ensued.</p> <p>It was noted that currently the stations are simply serving as parking spots and that the charging stations are not active.</p> <p>A motion was made with the understanding that any feedback received will be brought to the committee and that the option will be there to adjust costs and/or min/max hours of use as needed to best serve the college.</p>	<p><b>ACTION</b></p> <p>Motion was moved by J. Zarske that there be a .50 charge per kilowatt hour with a two hour minimum and a three hour maximum be implemented for the electric car charging stations.</p> <p>2<sup>nd</sup> – K. Murphy</p> <p>The motion carried unanimously.</p>
7. New Business	DISCUSSION/COMMENTS	ACTIONS/ FOLLOW UPS
	<ul style="list-style-type: none"> <li>• Emergency Guide</li> <li>• Student Emergency Notification</li> </ul> <p>Both items were discussed in the HEPSS report.</p>	

8. Other	DISCUSSION/COMMENTS	ACTIONS/ FOLLOW UPS
	<p><b>Work Requests</b> Members were reminded to utilize the online work order system when reporting a non-emergency issue. The system tracks the work order timeline as well as labor and material costs related to the work request.</p> <p><b>Energy Conservation</b> Members were advised that in an effort to control energy costs, a meeting was held with Southern California Edison to discuss use and rates. Discussion ensued.</p> <ul style="list-style-type: none"> <li>• Although the campus has installed 30, 000 LED lights, which has lowered our demand, the electrical utility cost has slightly increased due to an increase in rates.</li> <li>• Work is being done to determine a range of set points for thermostats throughout campus for both winter and fall. <ul style="list-style-type: none"> <li>○ Ashrae and APPA basic standards information will be utilized in making this determination.</li> <li>○ Ashrae and APPA provide basic standards that are used for indoor environments, classrooms, offices, etc.</li> <li>○ Will allow the campus to manage the electrical load throughout campus in a consistent way related to HVAC.</li> <li>○ Once a determination is made on the range of set points, the information will be shared with the committee along with the reference information on where the information was derived.</li> </ul> </li> </ul> <p>The campus must take creative steps to control utility costs. Every avenue will be explored.</p> <p><b>Water Conservation Mandate</b> It was also noted that the City of Santa Ana has mandated that water consumption be cut by 15% and that there is to be no watering of any plant materials between the hours of 6:00a.m. - 6:00p.m. Violations of this mandate could result in a fine.</p> <ul style="list-style-type: none"> <li>• Mark Wheeler has been working with his grounds crew and evening custodial crew on a strategic plan in light of this new mandate.</li> </ul> <p><b>Hand washing signs in student restrooms</b> An inquiry was made if hand washing signs could be installed in the student restrooms was possible. Proper hand washing instructions could help to conserve water usage.</p> <ul style="list-style-type: none"> <li>• It was noted that there would be support to work with the ASG on that option to conserve water.</li> </ul> <p><b>Solar Energy</b> It was noted that solar panel energy is being investigated for the campus. Solar panels are expensive to install and the length of the payback period is important to consider. Areas being explored are in some of the new construction and over parking lots.</p>	<p><b>FOLLOW UP</b> Thermostats set points for summer and fall will be shared at the February 17, 2015 Facilities meeting along with reference information on how they were determined.</p>

Other (cont.)	DISCUSSION/COMMENTS	ACTIONS/ FOLLOW UPS
	<p><b>Cigarette Recycling</b></p> <p>It was reported that the SAC ASG attended the General Assembly and recommended a resolution regarding recycling of cigarette butts throughout the California Community Colleges. The resolution passed.</p> <p>What this means is that each college would invest in cigarette waste receptacles and coordinate with a recycling company in this process.</p> <ul style="list-style-type: none"> <li>• Kyle Murphy, ASG Environmental Awareness Commissioner will work with Mark Wheeler to facilitate this project for SAC. <ul style="list-style-type: none"> <li>○ The goal is to have SAC be the first community college to comply with the new resolution.</li> <li>○ The current cigarette waste receptacles on campus will suffice for this project.</li> <li>○ Terracycle Recycling company will partner with SAC on this project. <ul style="list-style-type: none"> <li>✓ For every 1lb. of cigarette waste that is recycled, Terracycle will donate \$1.00 to the charity of the college's choice or to the college foundation.</li> </ul> </li> </ul> </li> </ul>	

SUBMITTED BY Geni Lusk 1/30/2015



**SANTA ANA COLLEGE  
FACILITIES COMMITTEE MEETING  
FEBRUARY 17, 2015**





## ACTIVE PROJECTS

### Santa Ana College

- ▶ Tessman Planetarium Upgrade & Restroom Addition
- ▶ Dunlap Hall Renovation
- ▶ Chavez Hall Renovation

## Santa Ana College

- ▶ Perimeter Site Improvements
- ▶ Building G Renovation
- ▶ Artesia Street Improvements
- ▶ Property Acquisition of 17<sup>th</sup>/Bristol St. Lot
- ▶ Central Plant (Design)
- ▶ Dunlap Hall Renovation (Design)
- ▶ Temporary Village
- ▶ Parking Lot 11 & Site Improvements

► Temporary Village



► Parking Lot I I & Site Improvements (including retention basin)





# PROJECT UPDATE SANTA ANA COLLEGE

## TESSMAN PLANETARIUM RENOVATION & RESTROOM ADDITION

### Project Summary:

- ▶ Renovate the Tessmann Planetarium to comply with accessibility requirements and repurpose the office space for the Veterans Resource Center.
- ▶ Enhance the building exterior.
- ▶ Construct a new restroom annex.



### Current Status:

- ▶ Veteran program moved back in.
- ▶ External punch-list is in progress.
- ▶ Construction complete and in use by the campus.



### Budget:

- ▶ \$ 4.9 million (under review)





# PROJECT UPDATE SANTA ANA COLLEGE CHAVEZ HALL RENOVATION

## Project Summary:

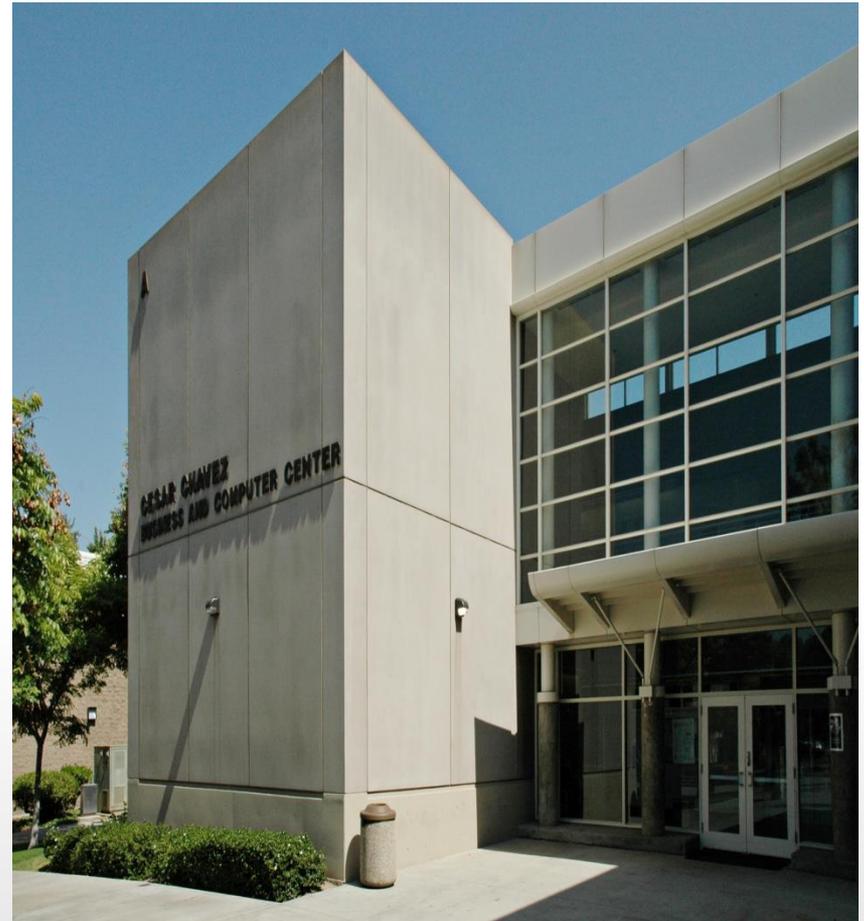
- ▶ Repairs to the roof, exterior walls, windows, parapet and restoration of interior and exterior finishes.

## Current Status:

- ▶ New RFP for preconstruction services underway.

## Budget:

- ▶ \$239,950 (under review)





## ACTIVE PROJECTS

- ▶ Dunlap Hall Renovation
- ▶ Central Plant & Infrastructure
- ▶ Johnson Student Center
- ▶ Science, Technology, Engineering and Mathematics (STEM) Building
- ▶ Health Sciences Building
- ▶ 17<sup>th</sup> & Bristol Street Parking Lot



# PROJECT UPDATE SANTA ANA COLLEGE DUNLAP HALL RENOVATION

## Project Summary:

- ▶ Renovate and replace the aging guard rails around the pedestrian walkways on all levels of Dunlap Hall, as well as, providing a new elevator and stair tower.
- ▶ Remodel the existing restrooms.

## Current Status:

- ▶ Construction began in April 2014 with a target completion expected at the end of September 2015.
- ▶ Current activities include installation and erection of structural steel.
- ▶ Upcoming activities include installation of exterior guardrail system and interior drywall system.
- ▶ This project is delayed due to delays on fabrication of structural steel and discovery of unforeseen roof leaks.
- ▶ The roof will need to be replaced following the renovation of work and completed under another contract for work.
- ▶ Target re-occupancy January/February 2016.



## Budget:

- ▶ \$17.22 million



# PROJECT UPDATE SANTA ANA COLLEGE CENTRAL PLANT AND INFRASTRUCTURE

## Project Summary:

- ▶ Construction of a new Central Plant Building.
- ▶ Phase 1: utility replacement, Phase 2: central plant and Phase 3: mechanical upgrades to 8 buildings and includes a new central cooling plant, underground chilled water piping loop, upgrading existing gas, domestic water lines, sewer, drainage and fire water systems.
- ▶ Includes HVAC system conversion for 8 existing buildings to be connected to the new Central Cooling Plant, including a new campus wide energy management system (EMS).
- ▶ Includes 10 DSA plan submittals.
- ▶ The central plant building will be designed to meet LEED Silver certification.

## Budget:

- ▶ \$68.17 million



## Current Status:

- ▶ Project is in design.
- ▶ Four plan submittals have been approved by DSA.
- ▶ Sequencing of work under review with new preconstruction consultant, McCarthy Building Companies, Inc.
- ▶ Reviewing potential interim housing needs.
- ▶ Target construction: July 2015 – winter 2017.



# PROJECT UPDATE SANTA ANA COLLEGE JOHNSON STUDENT CENTER

## Project Summary:

- ▶ Construction of a new Johnson Student Center.
- ▶ The old bookstore annex and the Johnson Center Building will be demolished.

## Current Status:

- ▶ Project is in program confirmation phase and HPI Architects continues with user group meetings.
- ▶ Development of a draft program document underway.
- ▶ Programming phase behind schedule, anticipated completion March 2015.
- ▶ Preconstruction firm selection to be board approved February 23, 2015.
- ▶ Target relocation into interim housing in spring 2016.
- ▶ Decommission building in spring/summer 2016.
- ▶ Target demolition start in summer 2016 – winter 2016.
- ▶ DSA approval target spring 2017.
- ▶ Target new construction start in summer/fall 2017.



## Budget:

- ▶ \$28.49 million



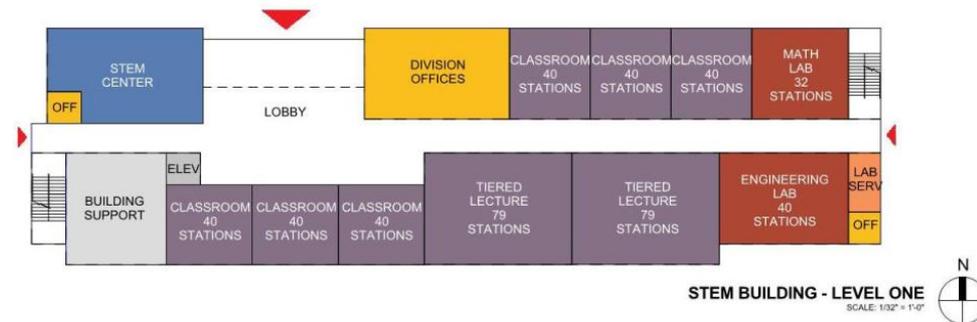
# PROJECT UPDATE SANTA ANA COLLEGE STEM BUILDING

## Project Summary:

- ▶ Construction of a new 63,100 square foot science and math complex housing modern laboratories, classrooms, lecture halls, and faculty offices.

## Current Status:

- ▶ HGA Architects is in the programming phase and continuing meetings with user groups.
- ▶ Programming phase behind schedule, anticipated completion April/May 2015.
- ▶ Preconstruction firm selection under review.
- ▶ Relocation of J Buildings - TBD
- ▶ Demolition activities target start summer 2016 (under review).
- ▶ DSA approval target - TBD
- ▶ Target construction start - TBD



## Budget:

- ▶ \$62.94 million



# PROJECT UPDATE SANTA ANA COLLEGE HEALTH SCIENCES BUILDING

## Project Summary:

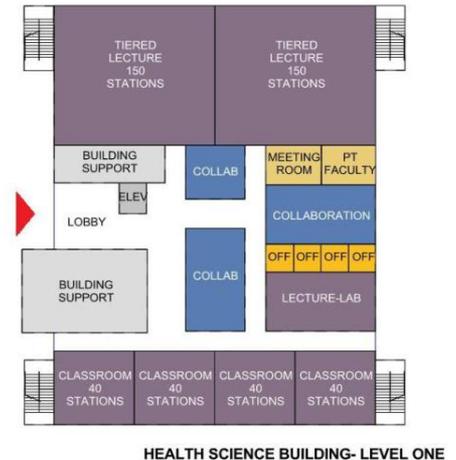
- ▶ Construction of a 55,138 square feet facility to allow for the consolidation and growth of the Health Sciences Programs including Nursing, Occupational Therapy Assistant, Medical Assistant, Emergency Medical Technician and Pharmacy Technology.

## Current Status:

- ▶ This project has been submitted to the state for future funding.
- ▶ Programming to be concurrent with the programming of the STEM project.
- ▶ Design and construction start to be determined.

## Budget:

- ▶ \$41.25 million (under review).
- ▶ Need additional funds to start construction.





# PROJECT UPDATE SANTA ANA COLLEGE PARKING LOT AT 17<sup>TH</sup>/BRISTOL ST.

## Project Summary:

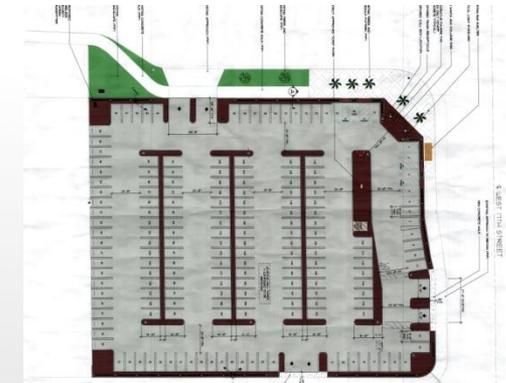
- ▶ New surface parking lot.

## Current Status:

- ▶ The project is in design development phase.
- ▶ Design document to be reviewed by District prior to submitting to DSA.
- ▶ Parking lot to be utilized for contractor worker parking for Dunlap Hall renovation on an interim basis.
- ▶ Start of construction is to be determined.

## Budget:

- ▶ \$1.65 million
- ▶ Acquisition of property was paid by Measure E funds.





# SCHEDULED MAINTENANCE PROJECTS

## **Santa Ana College**

- ▶ Pool Discharge Rerouting
- ▶ Chavez Hall Roof Repairs
- ▶ Chavez Hall Window Caulking
- ▶ Building L Roof Repairs
- ▶ Buildings H, R, T Plumbing Fixtures
- ▶ Buildings L, R, W Balance HVAC Systems
- ▶ Building R Penthouse Floors
- ▶ Building T Exterior Painting and Handrails
- ▶ Building B, E, L Exterior Painting
- ▶ Building U Replace Skylights

State Allocation 2015

\$1,872,322



# ACTIVE PROJECTS SCHEDULED MAINTENANCE

## Pool Discharge Rerouting

### Project Summary:

- ▶ Re-routing the existing water discharge line into the existing sewer lines adjacent to Building F.

### Current Status:

- ▶ Engineering/design drawing in process.
- ▶ Engineering to address the pool discharge volume which exceeds sewer capacity.
- ▶ Target start date summer 2015.

### Budget:

- ▶ \$40,000

## Chavez Hall Roof Replacement

### Project Summary:

- ▶ Roof repairs to Chavez Hall.

### Current Status:

- ▶ Bid documents being prepared for advertisement.
- ▶ Target start date summer 2015.

### Budget:

- ▶ \$440,000



## ACTIVE PROJECTS SCHEDULED MAINTENANCE

### **Chavez Hall Window Caulking**

#### Project Summary:

- ▶ Window replacement at Chavez Hall.

#### Current Status:

- ▶ Target start date summer 2015.

#### Budget:

- ▶ \$239,950

### **Building L Roof Repairs**

#### Project Summary:

- ▶ Roof repairs to building L.

#### Current Status:

- ▶ Delayed due to rain activities.
- ▶ Application of finish coating system will take place during Presidents' Day weekend.

#### Budget:

- ▶ \$350,000



# ACTIVE PROJECTS SCHEDULED MAINTENANCE

## **Building H, R, T Plumbing Fixtures**

### Project Summary:

- ▶ Replacement of aged and failing plumbing fixtures in restrooms and labs.

### Current Status:

- ▶ Developing scope.
- ▶ Target start date summer 2015.

### Budget:

- ▶ \$137,822

## **Balance Buildings L, R, W HVAC Systems**

### Project Summary:

- ▶ General repairs and balancing of HVAC systems.

### Current Status:

- ▶ Developing scope.
- ▶ Target start date TBD.

### Budget:

- ▶ \$174,050



# ACTIVE PROJECTS SCHEDULED MAINTENANCE

## **Building R Penthouse Floors**

### Project Summary:

- ▶ Repair of drains at roof stairs.

### Current Status:

- ▶ Developing scope.
- ▶ Target start date summer 2015.

### Budget:

- ▶ \$60,500

## **Building T Exterior Painting and Handrails**

### Project Summary:

- ▶ Painting of exterior walls of the building.

### Current Status:

- ▶ Developing scope.
- ▶ Lead based paint survey is complete.
- ▶ Abatement plan being developed.
- ▶ Target start date summer 2015.

### Budget:

- ▶ \$200,000



## ACTIVE PROJECTS SCHEDULED MAINTENANCE

### **Building B, E, L Paint Exterior**

#### Project Summary:

- ▶ Painting of exterior building B, E, L.

#### Current Status:

- ▶ Developing scope.
- ▶ Lead based paint survey is complete.
- ▶ Abatement plan being developed.
- ▶ Target start date summer 2015.

#### Budget:

- ▶ \$150,000



## OTHER PROJECTS

### **Santa Ana College - Active**

- ▶ Door Hardware Upgrade
- ▶ Building H Painting, Window Replacement
- ▶ Building R Exterior Painting
- ▶ Building C, N, P, R Roof Repairs
- ▶ CEC Parking Lot Slurry and Re-striping
- ▶ Bristol Street Paver Replacement
- ▶ Orange County Sheriff's Regional Training Academy



# ACTIVE PROJECTS OTHER

## Door Hardware Upgrade

### Project Summary:

- ▶ To retrofit door hardware across the campus.
- ▶ This work will be phased over the next several years.

### Current Status:

- ▶ Work is ongoing.

### Budget:

- ▶ \$184,151

## Building H Painting, Window Replacement

### Project Summary:

- ▶ Painting of Building H, window replacement and removal of exterior window screens.

### Current Status:

- ▶ Bid documents being prepared for advertisement February 20, 2015.
- ▶ Target start date summer 2015.

### Budget:

- ▶ \$200,000



## ACTIVE PROJECTS OTHER

### **Building C, N, P, & R Roof Repairs**

#### Project Summary:

- ▶ Roof repairs to buildings C, N, P, & R  
This work will be phased over the next several years.

#### Current Status:

- ▶ Delayed due to rain activities.
- ▶ Application of finish coating system will take place during Presidents' Day weekend and Spring Break.
- ▶ \$1.11 M

### **CEC Parking Lot Slurry and Re-Stripe**

#### Project Summary:

- ▶ Repairs to parking lot, restoration and re-striping.

#### Current Status:

- ▶ Bid documents advertised February 2015.
- ▶ Met with City of Santa Ana regarding assistance.
- ▶ Target start date pending completion of City funded repairs.

#### Budget:

- ▶ \$205,144



# ACTIVE PROJECTS OTHER

## **Bristol Street Paver Replacement**

### Project Summary:

- ▶ Replace damaged unit pavers at the campus entry along Bristol Street.

### Current Status:

- ▶ Bid documents were released February 2, 2015.
- ▶ Pre-bid job walk conducted February 10, 2015.
- ▶ Anticipated construction Spring Break 2015.

### Budget:

- ▶ \$33,000

## **Orange County Sheriff's Regional Training Academy**

### Project Summary:

- ▶ New block wall to screen training area from the public right-of-way.
- ▶ Temporary screening to be completed as an interim measure.

### Current Status:

- ▶ Solicitations for temporary screening released week of February 9, 2015.
- ▶ Installation of temporary screening anticipated by mid-March 2015.
- ▶ Block wall installation - TBD

### Budget:

- ▶ \$420,000



# COMPLETED PROJECTS SCHEDULED MAINTENANCE AND OTHER

## **Santa Ana College - Completed**

- ▶ Building H Roof Repairs
- ▶ Building U Skylights Replacement
- ▶ Football Field Reconditioning
- ▶ Gymnasium Scoreboard
- ▶ Parking Lots 1-5 Slurry and Re-striping
- ▶ Year 1 Prop 39 LED Lighting Replacement



# SUMMARY PROP 39 PROJECTS

<u>Year One</u>	<u>Total Project Budgets</u>
▶ SCC – Science Center Building Retro-commissioning	\$ 618,500
▶ SAC – LED Lighting Upgrade	\$1,083,000
<b>TOTAL YEAR ONE</b>	<b>\$1,701,500</b>

<u>Year Two</u>	
▶ SCC – LED Lighting Upgrade	\$ 876,857
▶ DO – LED Lighting Upgrade	\$ 162,319
<b>TOTAL YEAR TWO</b>	<b>\$1,039,176</b>

## Prop 39 State Funding Allocations

Year One	\$1,017,539
Year Two	\$ 816,070

<u>Estimated Utility Rebates</u>		<u>Actual Utility Rebates</u>
Year One	\$284,960	\$321,085.88
Year Two	\$215,000	ongoing



## YEAR THREE PROP 39 PROJECTS

### Project Summary:

- ▶ LED lighting conversion at the Sheriff Regional Training Center
- ▶ LED lighting conversion at the Digital Media Center
- ▶ Chiller replacement at Santiago Canyon College

### Current Status:

- ▶ In planning

### Budget:

- ▶ Under review



**Santiago  
Canyon  
College**



# QUESTIONS



## *Facilities update for 2/17/2015*

- Since January 1<sup>st</sup> we have received 206 work orders and have 6 open work orders, 68 pending approval and 132 completed work orders on the books.
- The “Utopia” in Johnson center was completed and we are just waiting for the furniture to arrive.
- We had a visit from the State elevator inspectors and all went well with the exception of the library elevator which did not have an operating telephone line.
- At CEC, D101 was renovated and turned into one large room to allow additional testing. Two more projects are scheduled for the facility including the expansion of the computer lab and the adding of a couple of additional electrical outlets in the staff kitchen. In addition we are working with the city to develop a plan to completely renovate the parking lot and the parking lot lighting. Both are in dire need of repair/replacement.
- We are in the process of devising a way to eliminate the fumes created by the machines in the machine shop from being entrained back into the building. This will mean removing a large window and installing a louver. It will also entail balancing the system.
- At the Academy, we are starting to paint the north walkway awning on March 6<sup>th</sup> and will be completed by March 14<sup>th</sup>.
- A lighting retrofit was completed in C building to allow more control over the lights in C206 and C207.
- We are starting to put together the project for a renovation of R326. The bids have been received and we are creating the PO. That will entail turning the old photo lab into two classrooms.
- FYI – There is a new prevailing wage requirement for all public works projects that involved DIR registration and the timely submission of certified payroll records.
- We are undergoing training for the new lighting system for the planetarium photograph enclosures and also reupholstering the seating in the main show room. It should be completed by the end of February.
- We have started our campus wide key system changeover in the M building. The new system, Medeco, will be continued to be installed campus wide.

# Sustainability and Energy Living Labs

Living Lab Images from workshop conducted in Oakland at LBNL and  
Laney College Jan. 7-10, 2015 – additional information from the SEED  
Pre-conference Workshop, Jan. 28, 2015

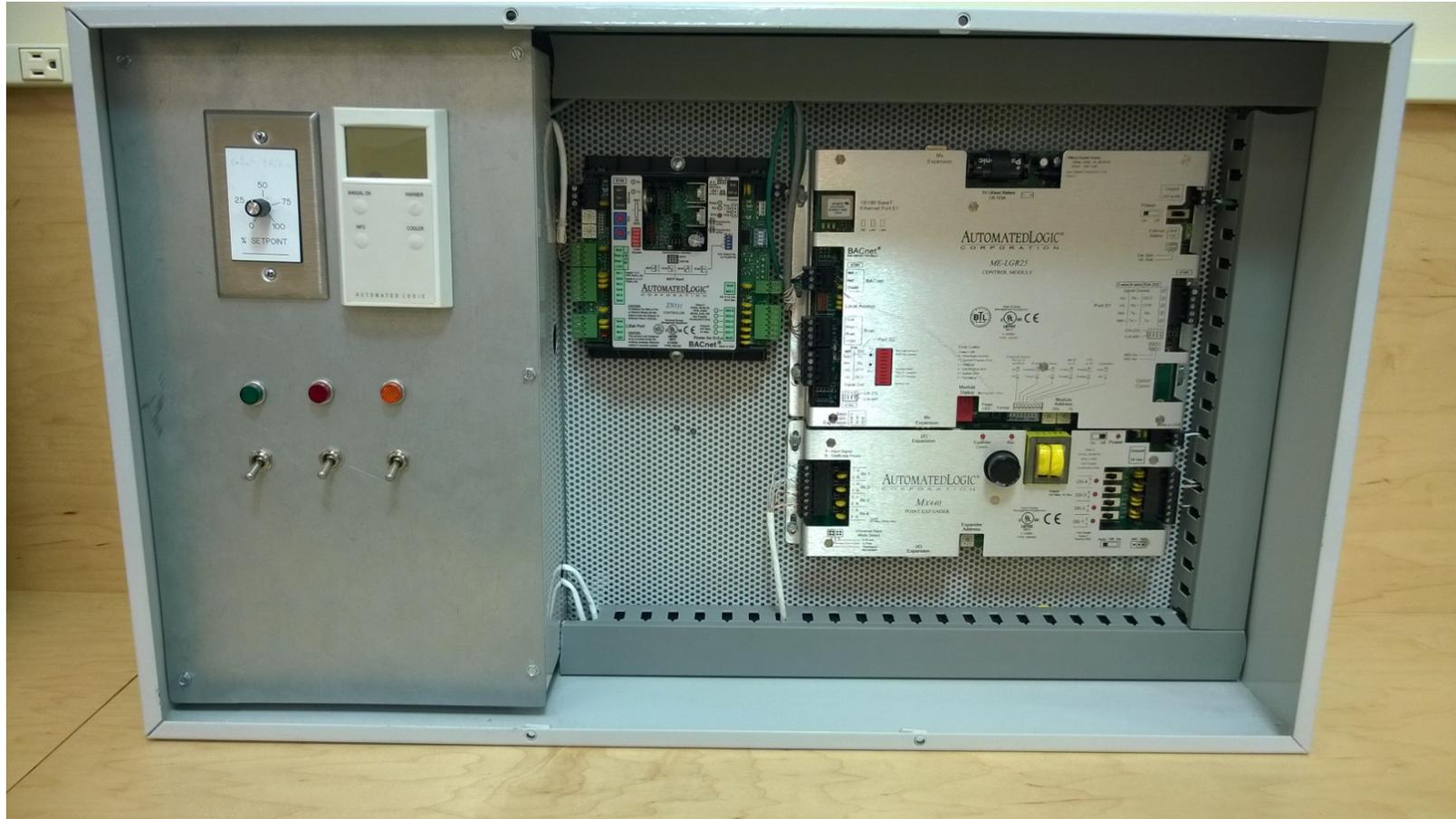
# Space Saving Flexible electrical wiring boards



Wall mounted control panels open for instruction  
save space & allow flexible use of the room



# Close up of Automated Controls Panel in Wall



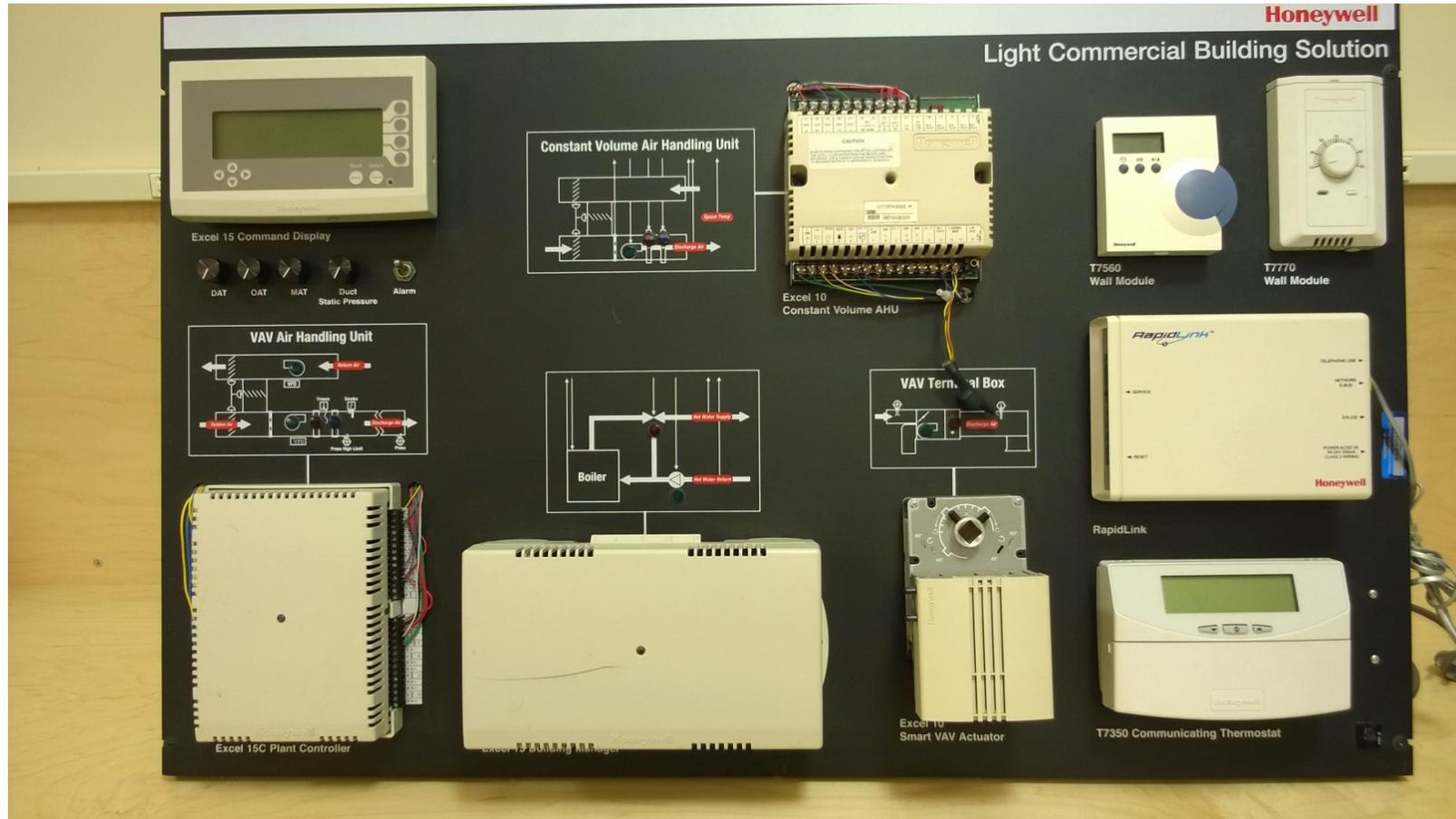
# Typical workstations at front of room



# At back of room - Portable displays & workbench setup



# HVAC Controls and Schematics



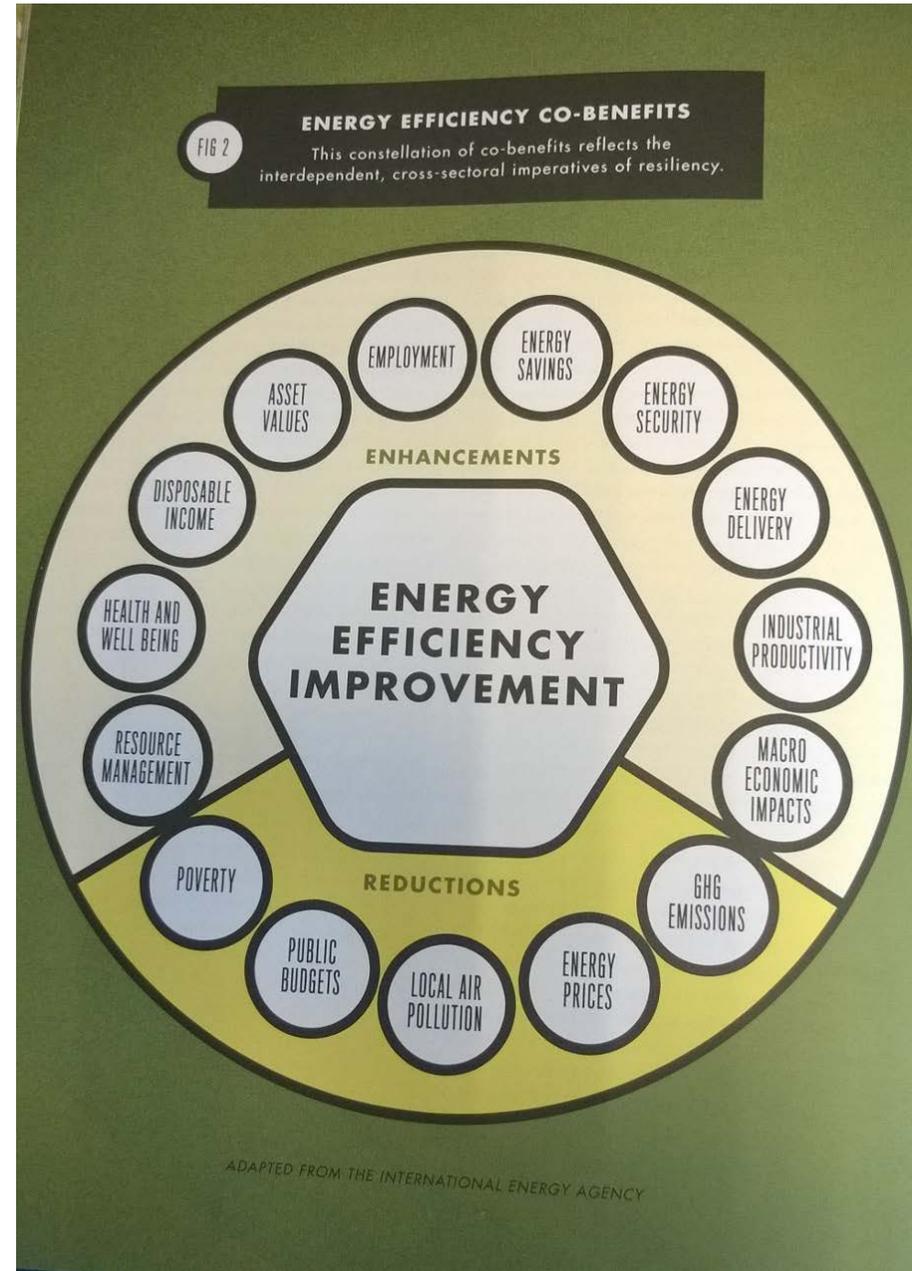
# Building Efficiency for a Sustainable Tomorrow (BEST) Network & SEED

- Resources

- [http://www.laney.edu/wp/environmental\\_control\\_tech/ect-nsf-initiative/best-network/](http://www.laney.edu/wp/environmental_control_tech/ect-nsf-initiative/best-network/)
- <http://www.lbl.gov/>
- <http://www.theseedcenter.org/Resources/Resource-Center?tagid=51&catid=7>

# Resiliency & Energy Efficiency Improvements:

- savings
- decentralized
- reliable



# Flexible workstations



**The FlipTable**-RU. Flip it up. Roll it around. Link it together. Flip it down. Nest it away. Available in three surfaces, the VS FlipTable is brilliantly engineered with a two-lever safety mechanism to ensure flawless transitions. Exceptional flexibility, functionality and durability for classrooms, training rooms, meeting rooms, public areas and cafeterias at a value worth flipping over. Chair shown: Compass-VF.

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# Design Strategies

## **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.

Do it Right....!

