

Aligning “Sector Strategy” Definition and Collaboration Parallels

Similarities Between Lighting and HVAC Sectors	
Lighting Efficiency Technologies/Measures	HVAC Efficiency Technologies/Measures
Lighting Control Systems , Task-Ambient Lighting, Directional Lighting, Integrated Classroom Lighting Systems, Multi-Switching With Occupancy Sensors, HID Electronic/Dimmable Ballasts, Dimmable/Controllable Fluorescent Ballasts, LED Downlights, Daylighting Technologies, High Performance Lighting, Photocells, and others.	Economizers, Demand Control Ventilation , Duct Repair/Sealing, Portable Fault Detection & Diagnostics, Retrofit/Imbedded Fault Detection & Diagnostics, HVAC/Occupancy System Integration, Variable Speed Drives, Building Automation Systems, Performance Monitoring Systems, Standard 180-Based Maintenance ¹ , Programmable Thermostats, Equipment Sizing, High Efficiency Systems, Demand Control/Response Systems, and others.

Similarities Between CALTCP and an HVAC Strategy Focused Initially on Economizers	
CALTCP Collaboration	Potential Economizer Initiative Collaboration
California State Labor Management Cooperation Committee for the International Brotherhood of Electrical Workers and the National Electrical Contractors Association (LMCC/IBEW-NECA)	Western HVAC Performance Alliance (WHPA), Sheet Metal Air Conditioning National Association (SMWIA), United Association of Pipefitters (UA)
California Community College System	California Community College System
California Energy Commission	California Energy Commission
California Lighting Technology Center, University of California, Davis	Western Cooling Efficiency Center, University of California Davis
Southern California Edison (SCE)	Southern California Edison (SCE)
San Diego Gas and Electric (SDG&E)	San Diego Gas and Electric (SDG&E)
Sacramento Municipal Utility District (SMUD)	Sacramento Municipal Utility District (SMUD)
NA	Southern California Gas Company (SCG)
NA	Los Angeles Department of Water & Power (LADWP)
National Electrical Manufacturers Association	Air-conditioning, Heating, Refrigeration Institute (AHRI), Heating, Air-conditioning, Refrigeration Distributors International (HARDI), Air Conditioning Contractors of America (ACCA), Institute of Heating & Air Conditioning Industries (IHACI), Mechanical Contractors Association of America (MCAA), Mechanical Service Contractors of America (MSCA), Refrigeration Service Engineers Society (RSES), Sheet Metal National Air Conditioning National Association (SMACNA)
NA	HVAC Excellence, North American Technician Excellence (NATE), UA Star
NA	Facility and Property Management Associations

¹ It is worthy to note that of the three task tables in Standard 180 that are relevant to “unitary HVAC systems,” the number one target of California’s HVAC energy efficiency policy/programs, there are thirty-eight (38) individual tasks required, eleven (11) of them related to economizer maintenance.