

OUSD La Escuelita and Downtown Educational Complex

Oakland, CA

Project Type

Educational

Size

86,000

Services Provided

Full design of HVAC, plumbing, energy management, and control systems. California High Performance School mechanical and energy documentation. Commissioning of mechanical and control systems.

Completion Date

2012

Owner

Oakland Unified School District

Architect

MVE Institutional

Contractors

Green Consultant: Alice Sung,
Greenbank Associates
General: Turner Construction
Mechanical: Broadway
Mechanical
Controls: Syserco Company,
using Alerton Controls
Plumbing Contractor: Paul's
Plumbing

References

MVE Institutional: Bob Simons
OUSD: Tadashi Nakadegawa
Greenbank: Alice Sung Turner:
Starla Dunn Syserco: Bernie
Martinez



The Oakland Unified School District requested a landmark green building campus built to the California High Performance School Standards.

The project includes a low energy design with no compressorized cooling for the classrooms, relying on building mass, natural ventilation, night cooling, displacement ventilation, and ceiling fans for comfort. Large common/multipurpose rooms receive natural ventilation and cooling via evaporative downdraft cool towers using windscoops and evaporative cooling. The project includes the district data center, TV studio, community health clinic, a central dining complex with full kitchen, offices, and multipurpose spaces. The academic campus uses photovoltaic electrical power generation to achieve grid neutrality.

Awards:

- Project-in-Design Merit Award at the 2011 CASH (California Coalition for Adequate School Housing) Conference
- PG&E Savings-By-Design incentives and High Performance Schools Initiative incentives based on energy performance
- 2013 ASHRAE Technology Awards: Golden Gate Chapter and Region X, First Place for New Educational Facilities; National, Honorable Mention