

Sustainability and Resiliency - Strategies from Community to Equipment

Chonghui Liu (CL), PE, CEM, LEED AP, Popli Design Group

ABSTRACT

In the current utility and facility design and management landscape, sustainability and resilience goals, unpredictable natural and human-induced disasters (e.g. Hurricane Harvey and Hurricane Irma within recent months), rising energy costs, and lean operation and maintenance (O&M) budgets present fundamental challenges in the way communities and campuses manage their energy and facility resources. This presentation covers two key industry focuses: sustainability and resilience from a mechanical/energy engineer's perspective. Examples in different physical scales (community, campus, building, and equipment) will be presented to address sustainability and resilience in building mechanical design, energy assessment/planning, and commissioning practices. More information can be found from the paper of the same title published in High Performing Buildings.

<http://www.hpbmagazine.org/Resiliency/>

BIOGRAPHY

Chonghui Liu (CL) is Team Leader, Energy Services with Popli Design Group. He has over 10 years of experience in mechanical/HVAC design, energy assessment/planning, and commissioning.