Laboratory Building Electrification Case Study at Berkeley Lab



Integrative Genomics Building

Joe Harkins Project Manager, Berkeley Lab SmithGroupJJR Architect

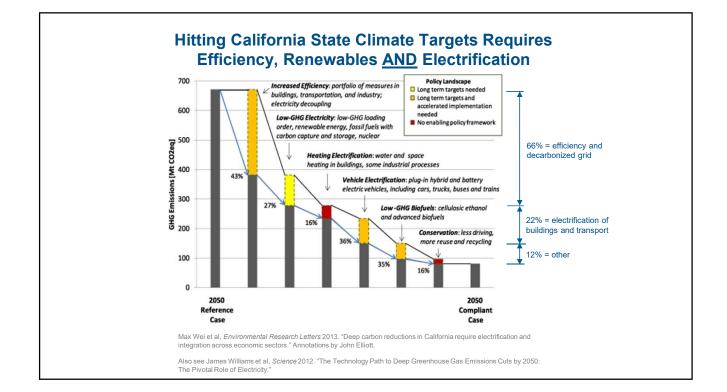
Integral Group

Mechanical Engineer

SUSTAINABLE BERKELEY LAB • sbl.lbl.gov

Presented by: John Elliott | Chief Sustainability Officer | 11 October 2019 Getting to Zero Forum

min



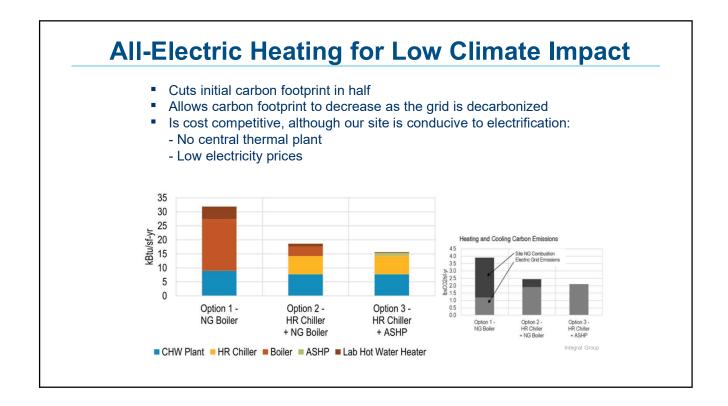


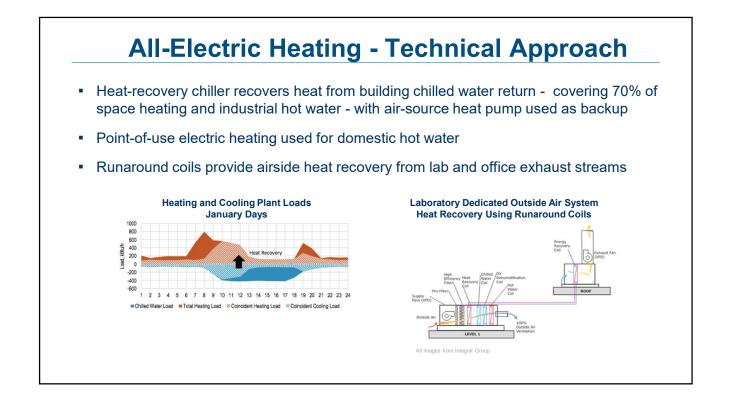


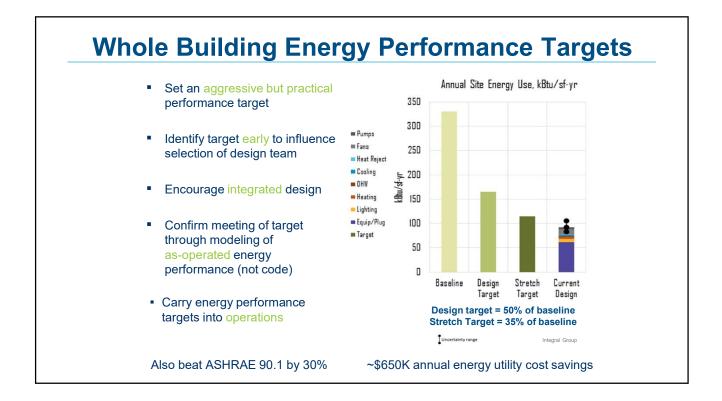


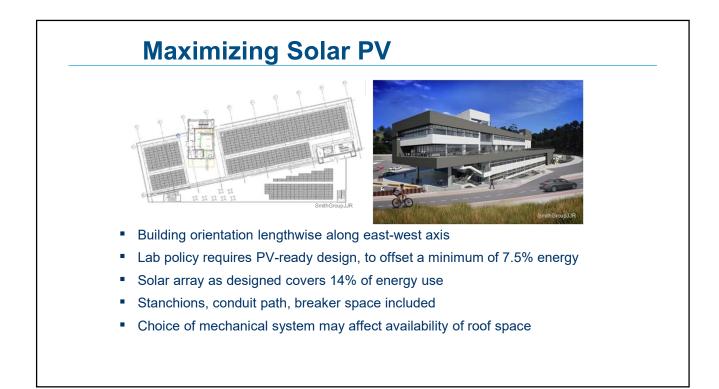




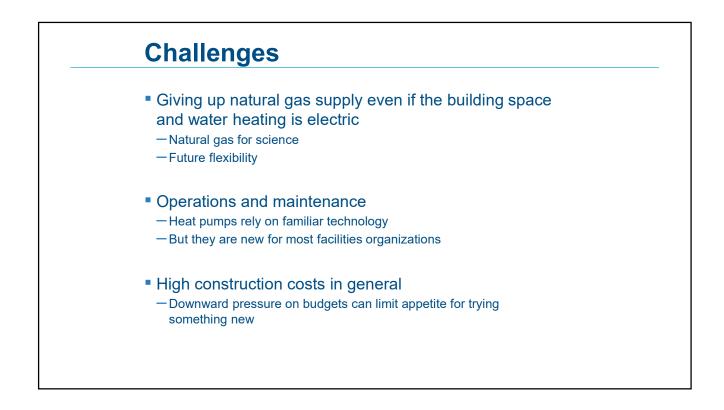








 Put performance metering and metrics on plans and specs Segregate end uses in electrical single-line Define metrics before electrical single-line is finalized Use outputs from mechanical



Upcoming All-Electric Buildings at the Lab



BioEPIC

- 70,000 square feet
- BioScience, Earth and Environmental Science Laboratories with Office
- Moving from schematic design to design development

Welcome Center

- 46,000 square feet
- Cafeteria (commercial kitchen), Conference Center, Health Center, HR Offices
- Conceptual design completed



