IDeAs Z²
6,557 SF Office Building
First ILFI NZE certified building
EUI: 27 kBtu/sf/yr (measured)
All electric building
The David & Lucile Packard Foundation Headquarters

49,200 SF Office Building
LEED Platinum
ILFI NZE certified
EUI: 19 kBtu/sf/yr (measured)
All electric building
The Exploratorium

200,000 SF science museum
ILFI NZE certification expected
2018 ACTERRA Sustainable Building Environment Award
EUI: 47 kBtu/sf/yr
All electric building
Boulder Commons
100,000 SF mixed-use office
ILFI NZE certification expected
EUI: 24 kBtu/sf/yr
All electric building
Are We Ready for All Electric Buildings?

Interviews with Seven Leading Engineering Firms

Ted Tiffany & Steve Guttmann, Guttmann & Blaevoet
Eric Solrain, Integral Group
Hormoz Janssens, Interface Engineering
Kent Peterson, P2S Engineering
Peter Rumsey, Point Energy Innovations
Sean Armstrong, Redwood Energy
Meg Waltner, Alisdair McGregor, Raphael Sperry, ARUP

https://tinyurl.com/y3unn3r4
Natural gas provides most space heating in the U.S., but regional differences exist, and climate differences are significant.

- Natural gas is used in most urban and suburban areas across the U.S.
- Fuel oil continues to be common in the Northeast.
- Electric resistance heat is common in the South and Northwest.
California Universities Are Transitioning to All-Electric Buildings

The University of California system and Stanford University are making all-electric buildings the default in new construction.

JUSTIN GERDES | SEPTEMBER 24, 2018

“No new UC buildings or major renovations after June 2019, except in special circumstances, will use on-site fossil fuel combustion, such as natural gas, for space and water heating”
UC Santa Cruz Student Housing West

750,000 sf, 3,000 beds, under construction

P3, Capstone is Developer, Sundt is GC, HED Architects, Interface Engineering
UC Riverside Dundee Residence Hall
600,000 sf, under construction

American Campus Communities is Developer, SCB Architects, Interface Engineering
UC Irvine Student Housing West
1,441 beds

P3, Developer is American Campus Communities, KTGY Architects
UC Davis Student Housing, Webster Hall Replacement

371 beds,

Design/Build, DPR GC, HKS Architects, Interface Engineering
Casa Adelante, 2060 Folsom, San Francisco
127 Units, under construction

Developers: TNDC/CCDC, Architect: Mithun & YA Studio, Association for Energy Affordability
Maceo May Veterans Apartments, Treasure Island

105 units, in permitting

Chinatown Community Development Center, Swords to Plowshares, Mithun, Association for Energy Affordability
Balboa Upper Yard Family Apts, San Francisco
120 units, in design development

Developer Mission Housing Development & Related California, Architect: Mithun
Hunters Point Shipyard Block 52, San Francisco
136 units total, in Design Development

Developer McCormack, Baron, Salazar, Architect: Mithun
Hunters Point Shipyard Block 54, San Francisco
136 units total, in Design Development

Developer McCormack, Baron, Salazar, Architect: Mithun
681 Florida, San Francisco
136 units total, In Design Development

Developers: TNDC & MEDA, Architect: Mithun
Linda Vista, Mountain View
101 units, In bidding phase

Palo Alto Housing is Developer, architect is Van Meter Williams Pollack, Integral Group
Coliseum Place, 905 72nd Ave, Oakland
59 units, In Construction Documents

Developer Resources for Community Development, David Baker Architects
Edwina Benner Plaza, Sunnyvale
Affordable – 66 Units, Occupied

MidPen Housing, David Baker Architects, Emerald City Engineers, Association for Energy Affordability
Stoddard Housing, Napa
Affordable – 50 Units, Under construction

Burbank Housing, Dahlin Group Architects, Emerald City Engineers,
Association for Energy Affordability
2437 Eagle Ave, Alameda
Affordable – 20 Units, Occupied

Housing Authority of the City of Alameda, Anne Philips Architecture, Fard Engineers, Association for Energy Affordability
Station House, Oakland

171 Units, phase I completed

Developer City Venture, Baran Studio Architect
Ice House, Oakland
Units
Developer City Ventures
California projects
Redwood Energy, Sean Armstrong

Spring Lake in Woodland, by Mutual Housing

King's Station in King City, by King City Pacific

Valley Glen in Dixon, by Dixon Pacific

Lakeport Senior Apartments in Lakeport, by Lakeport Pacific

Colonial House Apartments, in Oxnard, by Oxnard Pacific

Plaza Point in Arcata by Danco Communities
California projects
Redwood Energy, Sean Armstrong

Heritage Square in Pasadena by BRIDGE Housing

Cloverdale, by Corporation for Better Housing

Atascadero, Corporation for Better Housing

Castroville, by Corporation for Better Housing

Quetzal Gardens in San Jose by RCD Housing