



Energy



Transportation



Buildings



Industrial



Agriculture



Sequestration

Affordable ZNE Development

Client: Neighborhood Partners, Mutual Housing
2012-ongoing

Frontier Energy helps make building affordable multifamily housing even more affordable to residents by incorporating zero-net energy design and systems.

In our first project, we helped Mutual Housing design and develop Spring Lake, a rental community for migrant farm workers. The community in Woodland, CA, was the first rental housing community in the nation to receive the Zero Energy Ready Homes certification. In 2017, it won the prestigious World Habitat Award from the United Nations and World Habitat. Learn more at www.mutualhousing.com/yolo-communities/spring-lake.

Neighborhood Partners is developing Creekside in Davis, CA as an affordable workforce and special-needs rental community. To help this project meet its ZNE goal, Frontier worked with the developer to incorporate a hybrid water heating technology that uses centrally located 80-gallon heat pump water heaters to serve three to four apartments, which eliminates hot water recirculation losses and lowers costs. Frontier Energy also works with Neighborhood Partners on affordable housing projects in Dixon and Truckee, CA.



FRONTIER ENERGY:

- Performs cost and performance evaluations and identifies strategies to meet project performance goals used to leverage project funding and support
- Evaluates and recommends optimal building envelope, water-heating, HVAC and lighting systems to meet sustainability goals
- Evaluates onsite renewable energy potential and required amount of onsite generation needed to meet ZNE goals
- Works with design and development team on design and construction strategies to meet project sustainability goals including meeting requirements to qualify the project for third-party certification or utility incentive programs, or performance goals for funding qualification
- Prepares and submits documents for building certification



Bill Dakin
Davis Office
530-316-1522