Case Study: Red Rock Creek Commons

PROJECT DETAILS

Project Name
Red Rock Creek Commons

Location
Tigard

Property Size
1 Building
48 Units

Electric Utility
Portland General Electric

Completion Year
2020

Project Type
New Construction

Program Pathway
Whole Building

Developer
Community Partners for Affordable Housing

Energy Consultant
Scott Sinner Consulting, Inc

Reserved Incentive
$122,576

Electric Energy Savings*
49% Compared to Code (2014 OEESC)
122,576 kWh

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"The biggest win for the property was the exterior insulation. OR-MEP including this into their program is a great feature."
-Alex Aleman, Construction Project Manager

Project Summary

The Oregon Multifamily Energy Program (OR-MEP) reduced the incremental costs of implementing energy efficiency measures at Red Rock Creek Commons. Through participation in a design charette, the project team identified savings opportunities at the property in the form of high efficiency packaged terminal heat pumps and high-efficiency ventilation fans which will increase the building's performance. Eight of the property's units are reserved for those with mental illness and 24 units are reserved for low-income residents who can use housing vouchers. The project maximized its savings potential by collaborating with Energy Trust of Oregon to build solar ready, making solar installation easily viable in the future.

Measures Summary

OR-MEP incentivized the following energy efficiency measures at Red Rock Creek Commons:

- High Efficiency Ventilation Fans
- Packaged Terminal Heat Pumps
- LED Unit Lighting
- ENERGY STAR Refrigerators
- ENERGY STAR Dishwashers
- Efficient Windows
- Wall Insulation
- Roof Insulation

*Energy savings are based on program modeling that compares projected electricity use to code baseline. Energy savings from any other fuels, such as gas, are not factored into OR-MEP energy savings and percent improvement calculations. This case study is provided as an example, and energy savings may vary for other projects depending on site specifics and code year.