



Owner: Ithaca Neighborhood Housing Services | Location: Trumansburg, NY | Completion Date: Ongoing

Project Description

Village Grove is the proposed development of a highly energy efficient 40 unit affordable multifamily rental building in Trumansburg, NY to be developed by Ithaca Neighborhood Housing Services (INHS). The project is targeting PHIUS+ 2018 Certification and has received a \$932,280 Building of Excellence award for low carbon construction. The project features all electric systems including geothermal heat pumps for heating, cooling, and hot water systems, advanced insulation to meet PHIUS+ 2018, and off site solar production to achieve Net-Zero energy. SCI will also serve as the PHIUS+ CPHC and Verifier to confirm all program requirements are met through construction and will conduct training on high-performance building practices.



Technical Details

Walls	Pre-fabricated, art Dash 12 continuous rigid insulation and 2 x 6 wood studs with R- 21 cavity insulation
Windows	Triple pane windows and doors
Air Barrier	The panels produced by Purcell will be constructed offsite in a controlled environment ensuring that the components are sealed to meet this requirement. Early and frequent pressure testing will help identify potential leakage paths so they can be addressed in real time.
Roof	R-80
Slab	R-15 slab edge
Heating/ Cooling	Ground Source Heat Pump
Ventilation	Two Central Energy Recovery Ventilation System, 72% recovery efficiency
Hot Water	Ground source heat pump DAIKIN water-to-water heat pumps, EPA water sense fixtures, 2.5 EF
Solar Electric	~200,000 kWh/yr, located remotely at Renovus community solar farm. Project aims to achieve PHIUS+ Source Zero badge



**Buildings of
Excellence** Award
Stage: Early Design
Award: \$932,280