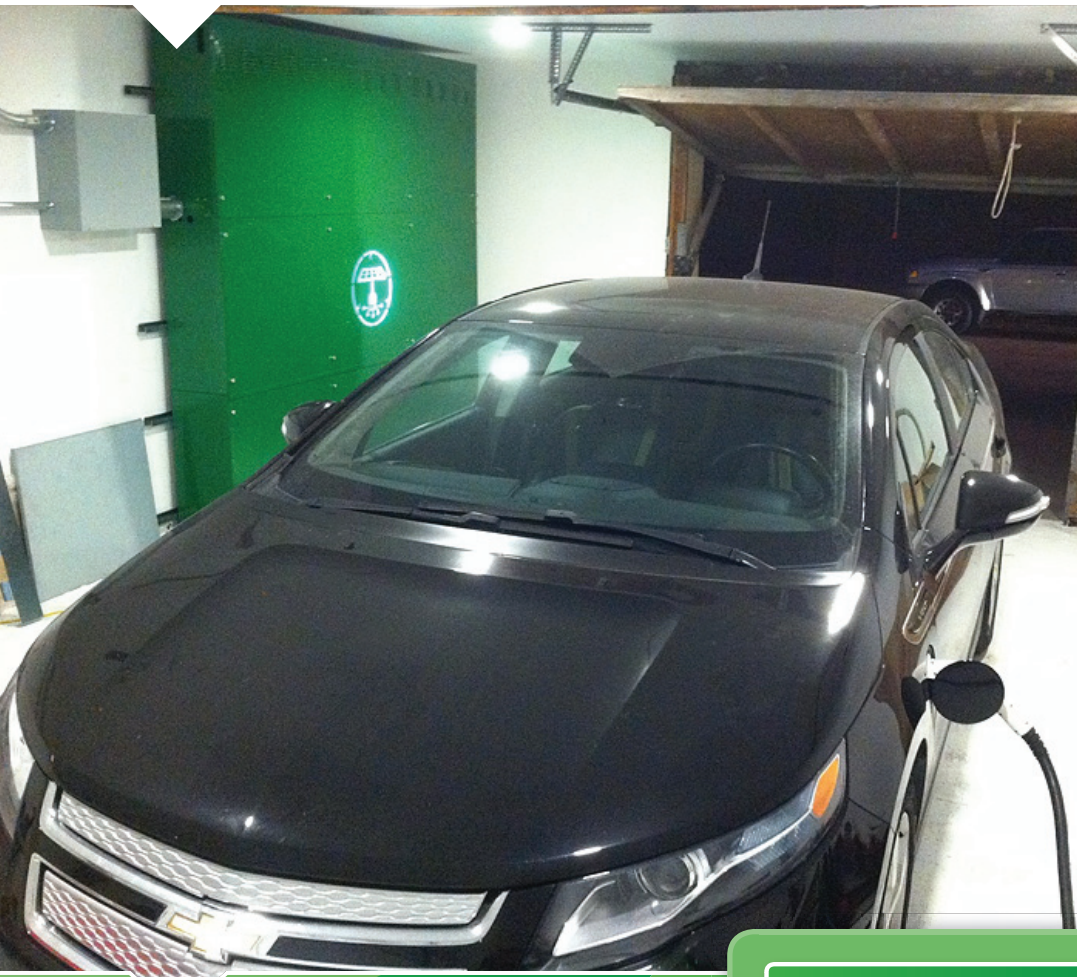


Rose Street



200 Rose Street

is a 21-unit mid-income level apartment complex built in 1966 and subject to rent control. The building is located several blocks from the Market Street Trolley line and the San Francisco Symphony. Parking is limited to three on site spaces, available street parking and 14 adjacent garages that are available for rent to residents and non-residents. Residential units are within a complex consisting of varying floor levels.

CHARGING STORY



Charging setting

Powertree secured a 20 year rental agreement for two of the 14 rental garages (one on each side of the residential property) for installation of a 20 kW (80A) level 2 charging unit in each. The Powertree model establishes secured access electric vehicle (EV) charging, solar installation, battery back-up for their services and a high-speed internet subscription to the residents of the associated complex. Residents and non-residents alike may purchase a subscription to the vehicle charging services. Property owners/management can also share in some of the fees associated with vehicle charging.

CHARGING SNAPSHOT

No. of residential units: **21**

No. of parking spaces: **3** unassigned resident spaces

No. of residents currently driving PEVs: One at present

Number of charging stations and types: 2 high power 20kW (80 A) **Level 2** chargers in two separate secure access garages available to any subscribers of Powertree business model.



Decision-making process

The property was identified and chosen by Powertree after being reviewed for demographics, parking and electrical power suitability for these installations. An agreement with management was then negotiated for the menu of services and installations for this site.

Property managers have many benefits when they use Powertree for EV charging. They receive regular rent from Powertree for the parking space and a solar installation, along with a guaranteed 10 percent lower electricity rate than offered by the utility. They also receive a share of the charging and parking fees, and get a high speed internet subscription service available to residents. Finally, they get battery back-up for the building emergency systems and for vehicle charging services.



Charging implementation and management

The building has a 400 Amp service connection that was supplemented with a new 200 Amp service drop provided by Powertree along with a 48 kW storage/42kW discharge battery service (up

to 140 kWh) and integrated solar installation on the property. Each garage charging space is equipped with battery backed up internal/external cameras, automatic door opener integrated with license plate recognition and vehicle presence sensor, and external keypad access to garage charging space. In addition, the battery storage is aggregated and can be used as a revenue source from the local utility or from California Independent System Operator (CAISO) that aids in covering the rent and enabling a cleaner electric grid. Building owners can also obtain auxiliary power support from the battery & solar for their security, common lights and an elevator making their property safer and more attractive to tenants.



Charging costs

Charging services are offered to subscribers based on the type of vehicle they own and its battery size. The service allows unlimited charging sessions and provides the fastest speed of charging for the subscriber's registered vehicle. Once a vehicle is finished charging, a notification is sent via phone to the driver. The driver then has 15 minutes to move their vehicle before a parking fee is initiated that increases each



Multi-unit Dwelling charging challenges

Charger installation and all other services were coordinated and integrated by Powertree to provide minimal disruption and inconvenience to the property owner/manager. Sale of services to residents (charging subscription, electricity and internet pricing) was also coordinated by Powertree.

Contact information

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“Installing the Powertree EV and solar charging system has been very popular with our tenants and neighbors, with some tenants and one neighbor purchasing EVs in anticipation of the system being operational.”

Frank Gobar, Owner