

Village Homes at Centennial Lakes



Type: Condominiums

Size: 250 units in 6 buildings

Location: 7450 Edinborough Way, Minneapolis, MN 55435

Year built: 1991

Parking: 312 parking spaces in 6 heated underground parking garages and some visitor parking in front of the buildings

Website:

http://laukka.ahn10.com/villagehomesofcentennial/outside_home.asp



Description:

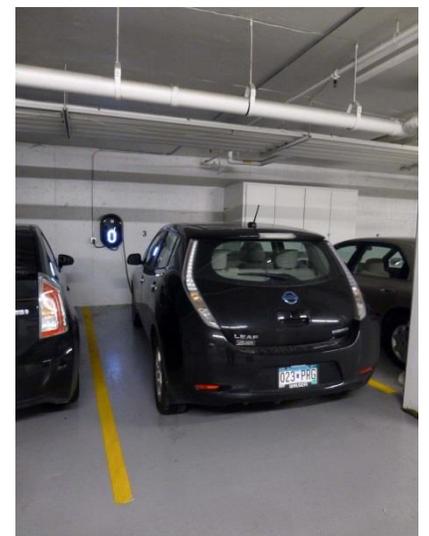
Village Homes at Centennial Lakes is located by the beautiful Centennial Lakes Park, a string of small lakes connected to each other by canals. It is also very close to Edina's shopping district, Byerly's, Whole Foods, and the Galleria and Southdale shopping centers.

Parking:

312 parking spaces in 6 heated underground parking garages and some visitor parking in front of the buildings. Parking spots are assigned to condominium owners

PEV charging plans and infrastructure:

A couple who purchased a Nissan Leaf approached management and asked about charging infrastructure. The condominium board discussed their request and granted them permission to install EVSE for EV charging. They started working with electricians and had a little bit of a trouble finding a good installer, but they finally found a capable person who installed the unit.



MultiHousingCharging.com Case Report

Due to their close proximity to the electric meters, it was possible to get the power from the same circuit that provides power to their unit. The electrician ran the conduit on the ceiling of the parking garage and installed a Nema 14-50 outlet where the Level 2 EVSE is now plugged in.

Metering and billing:

In this case the EVSE electric supply line was connected to the residents' condominium's supply line, so the electricity is metered by the unit's meter (Option 1 in Metering and Payment Systems table www.multihousingcharging.com/Tools.html). This way they will get a bill for their total electricity consumption directly from the utility company. From a metering and billing standpoint this is the easiest and most cost effective setup, but it is not a very commonly available option because in many cases the meters and supply lines are located far away from the parking spots.



Purchase and ownership of EVSEs:

Vehicle owners purchased the Level 2 EVSEs.

Installation cost sharing:

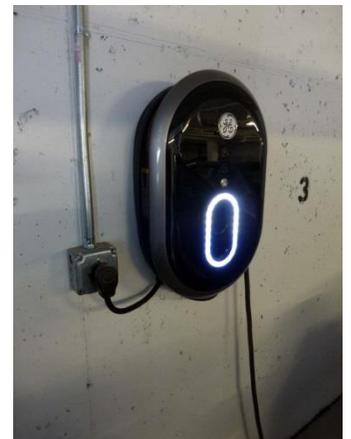
Vehicle owners installed the Level 2 EVSEs.

Signage and parking enforcement: Parking spots are assigned to residents and parking enforcement will operate the same way as with any other assigned parking space in the facility

Insurance needs: There will be no extra insurance requirements for PEV owners.

Future expansion capability:

If the Leaf owners get another PEV it might be easiest for them to get a smart charging station with two cords that could either split the power between cars or time the charging sessions so that both cars could be charged overnight. .



When other condominium members decide to shift to driving electric the condominium board needs to have a new breaker panel installed. For metering purposes I would recommend either sub meters or just an energy management system type of metering. Payment could be taken care of with flat billing with annual submetering based adjustment

Public charging availability nearby: Closest public charging stations are located at the Byerly's grocery store and at the Southdale shopping center.