# MultiHousingCharging.com Case Report

## **Pioneer Endicott**

**Type:** Market-rate rental apartment building

Size: 234 units

**Location:** 141 E 4th Street, St Paul, MN 55101 **Year built:** 1889, New construction in a historic

building 2013-2014

Parking: 400 parking spaces in adjacent parking ramp

that also serves general public.

Website: www.pioneerendicott.com

**Description:** The Pioneer Endicott is in downtown St. Paul and near two of the new stops on the Green Line

light rail transit. The adjacent parking ramp is connected to the building by skyway, providing convenient parking.



### **PEV Charging plans and infrastructure:**

The developer is planning to install a combination of Level 1 and Level 2 charging stations in the parking ramp. They will also consider installing two public Level 2 stations and a DC fast charging station, which would be available both for residents and the general public. This would provide access to faster charging options for those residents who mostly use Level 1 outlet for charging. The location of the charging stations will be determined based on the distance to the electric supply.

#### Metering and billing:

The Pioneer Endicott management is planning to charge a higher flat monthly fee for parking spots with charging stations.

#### Parking:

The adjacent parking ramp is under the same ownership and has 400 parking spaces. Residents have assigned parking spots and the rest of the ramp is open for the public. Since this is a rental apartment it is relatively easy to change the parking space assignments. The parking garage also has good security.



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#### Purchase and ownership of EVSEs:

The Pioneer Endicott will purchase the Level 2 EVSEs and Level 1 outlets.

#### **Installation cost sharing:**

the Pioneer Endicott will install the Level 2 EVSEs and Level 1 outlets.

### Signage and parking enforcement:

Parking spots equipped with charging systems will be assigned to residents and parking enforcement will operate the same as any other assigned parking space in the facility.

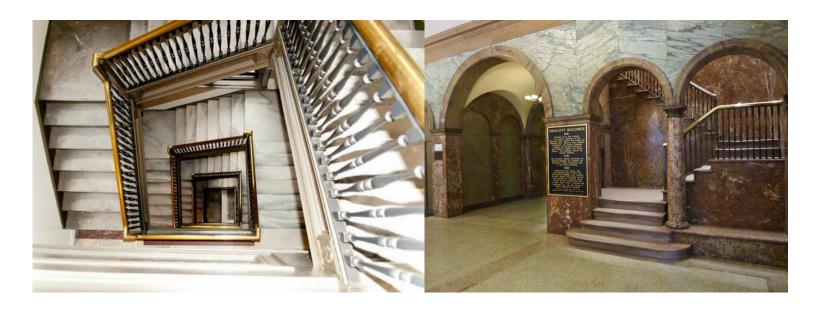
**Insurance needs:** There will be no extra insurance requirements for PEV owners.

**Future expansion capability:** During this first installation, the Pioneer Endicott will install some stations and run conduit to more parking

spots to provide future expansion reserve. The parking setup provides plenty of capacity for future expansions.



**Public charging availability nearby:** There are several public Level 2 charging stations nearby. As of December 2013, there are eight public Level 2 stations within a few blocks.



This case report was developed as part of the Advancing Alternatives for Minnesota Drivers Initiative funded by the U.S Department of Energy. Author Jukka Kukkonen, PlugInConnect. For more info visit <a href="https://www.MultiHousingCharging.com">www.MultiHousingCharging.com</a>