



Professional design, installation and service of renewable energy systems

Operations and Maintenance Plan for 217.6 kW Grid-Tied Parking Canopy Photovoltaic System

The canopy system is designed to be low maintenance and to in fact reduce the maintenance of the upper garage deck by reducing snow removal needs. System operation will be verified by a web based performance system and while there is no scheduled routine maintenance of the system, it should be checked on an annual basis for physical deterioration and for pest infiltration. The parking deck provides ready access for inspection and maintenance of the system at any time and the panels will not require any routine cleaning or removal of snow.

The system owner will be responsible for performing or contracting all maintenance and end of life disposal, however the system has been robustly designed to be low maintenance. The DC/AC inverters are warranted for 12 years and the photovoltaic modules are warranted for 25 years. Expected system lifespan is 40 plus years. The majority of the system consists of readily recyclable content such as the steel and aluminum racking, steel conduit, and copper wiring. The photovoltaic modules are primarily recyclable consisting of a tempered glass front with aluminum frames and can be shipped to an approved facility to have their primarily recyclable components separated from the small amount of non-recyclable cell material.