



Ranger Station

Wrangell St. Elias National Park

PROJECT OVERVIEW

The ranger station is an 1800 square foot facility that houses the park rangers as well as airport staff inside Wrangell St. Elias National Park. The installed project is a 5kW propane driven Black Out CHP system inside the facilities mechanical room. The CHP system is also integrated with batteries, wind and solar. The CHP system produces the required heat and electricity for the facility inside the park.



REASON FOR CHOOSING YANMAR

The Yanmar system fit with the overall electrical and heating requirements for the facility. With this facility being completely isolated from all utilities, the 5kW system integrated with batteries, wind and solar which are all inverter based generating systems the Yanmar CHP inverters worked very well for the integration. The requirement of long run times also made it the product of choice. With 10,000 hr. maintenance cycles in made it that the maintenance staff would not have to shut down the system during the hard cold winters that are normal for the area.