



Customer Success Story

EMG is Instrumental in Delivering Emergency Standby Power to the Vancouver International Airport

BC Hydro is one of Canada's largest electrical utilities and serves more than 1.5 million customers across British Columbia.

The Opportunity

BC Hydro's Power Smart wanted to test dispatchable power systems to address grid power supply shortages during periods of critical peak demand. Dispatchable power utilizes customer-owned generating equipment (most often diesel standby generators 500KW and greater) that can be remotely activated by the utility to feed the grid during critical demand periods.



The Vancouver International Airport

The Solution

EMG worked closely with BC Hydro and SimPower Inc. To facilitate supply and installation of 2 x 500KW dispatchable emergency standby diesel generators. The prime purpose of these generators is to supply emergency backup power for runway lighting in the event of grid failure. The units were also designed to be brought on line by BC Hydro to feed their grid during periods of peak demand.



One of the new power generators at the Vancouver International Airport

Since the airport area is a high-risk seismic zone, only all-diesel units were approved since probability of a natural gas line rupture in a seismic event is a high probability. In areas of low seismic risk (i.e. Ontario, Canada) clean-burning bi-fuel natural gas-diesel is a viable option for new installations and also for conversion of hundreds of existing standby generators to dispatchable bi-fuel units.

The Result

EMG Marketing Group delivered the project on time and on budget. The dispatchable-ready generators are currently providing reliable emergency backup power for the Vancouver International Airport, and are fully dispatchable by BC Hydro during periods of critical peak demand.

"EMG was instrumental in coordinating and project managing this power project. EMG's John Terry was the primary lead and successfully managed all parties keeping the project on time and on budget."

Dispatchable power will be a logical choice in the future for electrical utilities with peak demand problems."

- Chuck Butterfield, CEO, SimPower Inc.