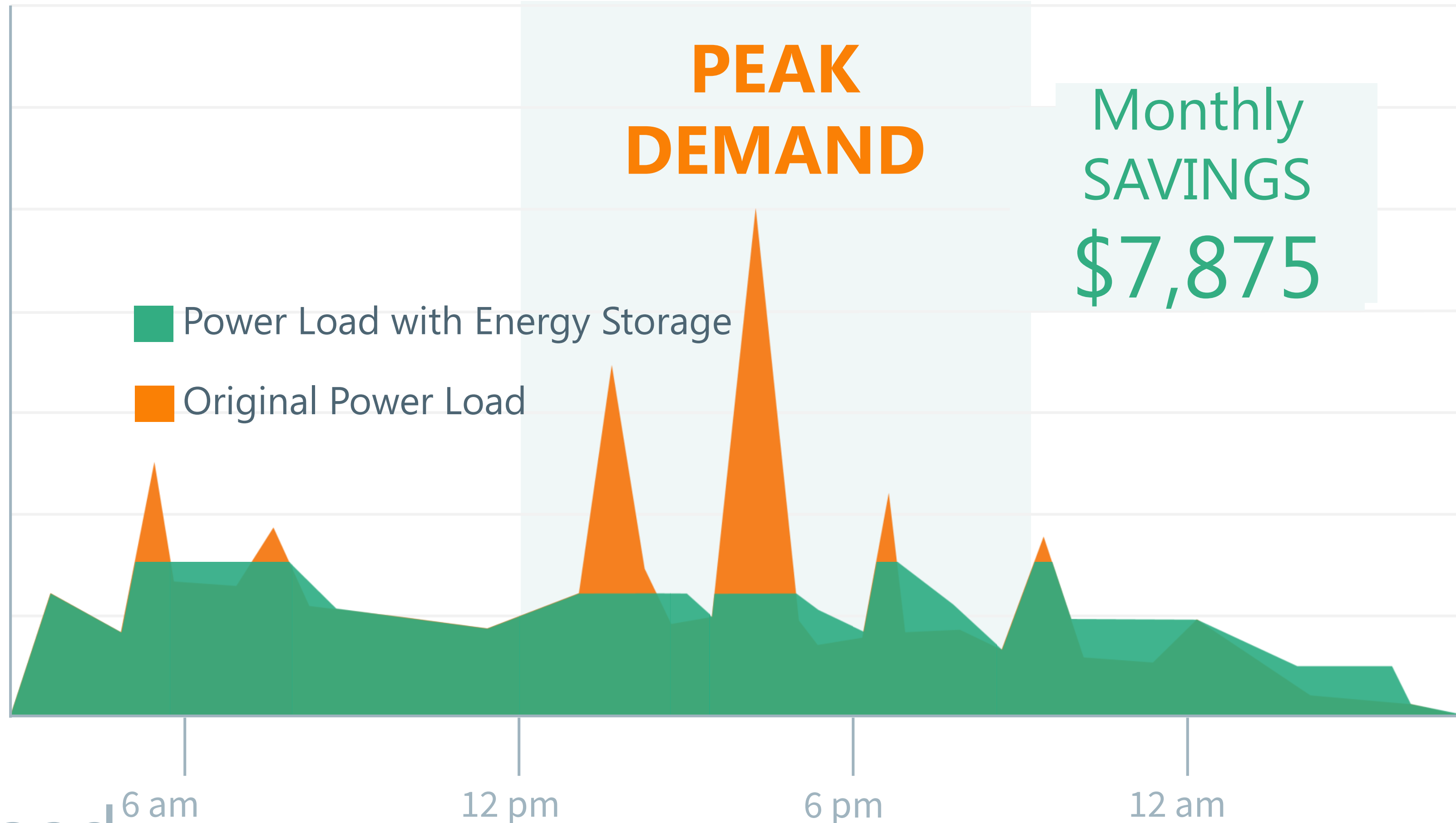




Demand Charges – Day or Night-MARES*

ENERGY STORAGE
"tank"



Load Example:

example: 500Kw avg load-1MW capable system

MicroGrid Animation

PG&E Utility Interconnection or
"Point of Common Coupling" and
Static Disconnect Switch

Synchronize
to **GRID**
Disconnect
from **GRID**



**12kW
WIND**

5, 2.3 kW Wind Turbines

1.2 MW Rooftop
Solar Photovoltaic System

**1.2MW
SOLAR**



2.4MW DIESEL

Two, 1.2 MW Backup
Diesel Generators



Central Controller:
Distributed Energy
Resources Management
System (DERMS)



1MW FUEL CELL

1MW Fuel Cell
Power Plant



2 MW, 4 MWh
Advanced BYD
Energy Storage
System

STORAGE

Campus



2MW, 4MWh Iron-Phosphate