

## STATIONARY STORAGE BATTERY SYSTEMS

Project Type:		
Wireless Communication Facility - Eligible Facilit	y Request	
Project Address:		
8477 SE 68th Street		
Contact Name:	Phone No.	
Jennifer Taylor	206-228-2127	
Owner Name:		
Crown Castle (facility owner) - PSE (land owner)		

## 1. Battery System

- □ The battery system has an electrolyte capacity of more than 50 gallons (189 L) for flooded lead-acid, nickel cadmium (Ni-Cd) and value-regulated lead-acid (VRLA)
  - Specify # of Gallons \_\_\_\_\_
- □ The battery system has more than 1,000 pounds (454 kg) for lithium-ion and lithium metal polymer.

Specify # of Pounds \_\_\_\_\_

## 2. Battery Classification (Total for building or control area)

- □ Nonrecombinant Vented Lead Acid- kWh? \_\_\_\_\_
- □ Nonrecombinant Vented Nickel-Cadmium- kWh? \_\_\_\_\_
- □ Recombinant Value Regulated Lead Acid Cells- kWh? \_\_\_\_\_
- Recombinant Valve Regulated Lithium-Ion Cells kWh? 19.2

## 3. Current Fire Protection Systems (Check all that apply)

- □ NFPA 72 Monitored Fire Alarm System
  - Monitoring Center/Central Station? \_\_\_\_\_\_
- □ NFPA 704 Placarding
- □ Knox Box for Fire Department Access
- □ Fire Sprinkler System
- □ Neutralization Product and Quantity

- 4. **Permits Required (***fire code requirements are referenced in the table on the following page*)
  - Battery System Permit
  - Fire Alarm Permit

BATTERY TECHNOLOGY	MAXIMUM ALLOWABLE QUANTITIES <sup>8</sup>	GROUP H OCCUPANCY	
Flow batteries <sup>b</sup>	600 KWh	Group H-2	
Lead acid, all types	Unlimited	Not Applicable	
Lithium, all types	600 kWh	Group H-2	
Nickel cadmium (Ni-Cd)	Unlimited	Not Applicable	
Sodium, all types	600 KWh	Group H-2	
Other battery technologies	200 KWh	Group H-2 <sup>e</sup>	

REQUIREMENT	NONRECOMBINANT BATTERIES		RECOMBINANT BATTERIES		OTHER BATTERIES
	Vented (Flooded) Lead Acid Batteries	Vented (Flooded) Nickel-Cadmium (Ni-Cd) Batteries	Valve Regulated Lead- Acid (VRLA) Cells	Lithium-Ion Cells	Lithium Metal Cells
Safety caps	Venting caps (608.2.1)	Venting caps (608.2.1)	Self-resealing flame- arresting caps (608.2.2)	No caps	No caps
Thermal runaway management	Not required	Not required	Required (608.3)	Not required	Required (608.3)
Spill control	Required (608.5)	Required (608.5)	Not required	Not required	Not required
Neutralization	Required (608.5.1)	Required (608.5.1)	Required (608.5.2)	Not required	Not required
Ventilation	Required (608.6.1; 608.6.2)	Required (608.6.1; 608.6.2)	Required (608.6.1; 608.6.2)	Not required	Not required
Signage	Required (608.7)	Required (608.7)	Required (608.7)	Required (608.7)	Required (608.7)
Seismic protection	Required (608.8)	Required (608.8)	Required (608.8)	Required (608.8)	Required (608.8)
Smoke detection	Required (608.9)	Required (608.9)	Required (608.9)	Required (608.9)	Required (608.9)