

DOCKETED

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SUPPLEMENTAL RESPONSE TO DATA REQUEST 62

Great Oaks South Backup Generating Facility (19-SPPE-03)

SUBMITTED TO: CALIFORNIA ENERGY COMMISSION

SUBMITTED BY: **SV1, LLC**

September 2020



Generator Run-Time Due to Utility Outages - Existing Equinix San Jose Data Centers

Facility/Address	2016				2017				2018				2019				2020				Total Generator Run Time Due to PG&E Outages
	Net Generator Capacity	Load	% Load	Generator Hours Run	Net Generator Capacity	Load	% Load	Generator Hours Run	Net Generator Capacity	Load	% Load	Generator Hours Run	Net Generator Capacity	Load	% Load	Generator Hours Run	Net Generator Capacity	Load	% Load	Generator Hours Run	
	MW	MW		Time	MW	MW		Time	MW	MW		Time	MW	MW		Time	MW	MW		Time	
SV1 - 11 Great Oaks Blvd	7.5	4.2	56%	0	7.5	4.2	56%	1	7.5	4.2	56%	0	7.5	4.2	56%	0	7.5	4.3	57%	0	1
SV5 - 9 Great Oaks Blvd	18	7	39%	0	18	7.3	41%	0	18	8.2	46%	0	18	8.6	48%	0.5	18	8.4	47%	0.5	1
SV10 - 7 Great Oaks Blvd	0	0	N/A	N/A	9	0.5	6%	0	9	0.95	11%	0	18	2.2	12%	0	18	4	22%	0	0
Total All Sites																				2	

All generators run at roughly the listed % load during outages

SV1 has both 750 kW & 2.0 MW Generators

SV5 Generators are 3.0 MW each

SV10 Generators are 3.0 MW each

Utility Outages/Glitches

Outage Date	Facility	Cause	Notes
4/16/2017	SV1	Voltage Sag Cause by Utility Company	Momentary Outage - Generators ran for 30 minutes
7/13/2017	SV1	Transmission Relay Failed @ Substation	Short-Term Outage - Generators ran for 30 minutes
5/5/2019	SV5	Voltage Sag Cause by Utility Company	Momentary Outage - Generators ran for 30 minutes
5/8/2020	SV5	Metcalf Substation 230 kV Capacity Bank Tripped	Short-Term Outage - Generators ran for 30 minutes