

DOCKETED

Docket Number:	89-AFC-01C
Project Title:	Compliance - LUZ SEGS IX and X Projects Application for Certification
TN #:	233113
Document Title:	Solar Energy Generating Systems VIII & IX Petition for Post Certificate Change to add a BESS Data Request Set 1
Description:	Solar Energy Generating Systems VIII & IX Petition for Post Certificate Change to add a BESS Data Request Set 1
Filer:	John Heiser
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	5/26/2020 9:13:08 AM
Docketed Date:	5/26/2020

DOCKETED

Docket Number:	88-AFC-01C
Project Title:	Compliance - Application for Certification for LUZ Solar Electric Generating Systems Cogeneration Unit VIII
TN #:	229535
Document Title:	Letter to Dan Thompson VP Origination Development TerraGen
Description:	Solar Energy Generating Systems VII & IX Petition for Post Certification Change to Add a Battery Energy Storage System Data Request Set 1 (88-AFC-01C & 89-AFC-01C)
Filer:	Susan Fleming
Organization:	Energy Commission
Submitter Role:	Public Agency
Submission Date:	8/26/2019 10:58:55 AM
Docketed Date:	8/26/2019



August 26, 2019

Dan Thompson
Vice President Origination and Development
Terra-Gen
11455 El Camino Real, Suite 160
San Diego, CA 92130

**SOLAR ENERGY GENERATING SYSTEMS VIII & IX PETITION
FOR POST CERTIFICATION CHANGE TO ADD A BATTERY
ENERGY STORAGE SYSTEM DATA REQUEST SET 1
(88-AFC-01C & 89-AFC-01C)**

Dear Mr. Thompson:

California Energy Commission (CEC) staff requests the information specified in the enclosed data requests regarding the proposal to add battery storage at the Solar Energy Generating Systems (SEGS) VIII & IX site. The information requested is necessary to understand whether the proposal falls within the CEC's jurisdictional licensing authority.

These data requests, numbered A1 through A4, are also relevant to the technical area of Transmission System Engineering. Written responses to the enclosed data requests are due as soon as possible.

If you have any questions regarding the enclosed data requests, please call me at (916) 653-8236 or email me at John.Heiser@energy.ca.gov.

Sincerely,

A handwritten signature in blue ink that reads "John Heiser".

John Heiser
Compliance Project Manager

Enclosure (Data Request Packet)
cc: Docket (88-AFC-01C)

**POST-CERTIFICATION PETITION FOR SOLAR ENERGY
GENERATING SYSTEM VIII & IX BATTERY ENERGY
STORAGE SYSTEM
(88-AFC-01C & 89-AFC-01C)**

CEC Staff's Data Requests Set 1, A1 – A4

BACKGROUND

On July 26, 2019, LUZ Solar Partners submitted an application requesting to install a Battery Energy Storage System (BESS) located on the Solar Energy Generating Systems (SEGS) VIII and IX site. In order to determine if the BESS is a change in project design, operation, or performance requirements for SEGS VII and IX, staff needs to understand the proposed BESS charging and discharging methods. Please provide the following information.

DATA REQUESTS

- A1. Please provide a detailed description of the existing facilities and their proposed changes, in reference to planning, design and construction of the proposed battery storage system. Please describe how the proposed BESS will be charged directly from the SEGS VIII and IX facilities and/or how the BESS will connect to the California Independent System Operator (California ISO)-controlled grid.
- A2. Please provide one-line diagrams of the BESS with detailed information on how it would be interconnected with the existing SEGS VIII and SEGS IX plant substations.
- A3. Please provide detailed schematic diagrams of the SEGS VIII and SEGS IX and their interconnections to the proposed BESS and to the California ISO - controlled grid. Please indicate the feeder ratings such as DC voltages, conductor type and size and current carrying capacity, and fuse/breaker coordination information.
- A4. The application states that the “[t]he BESS controller is expected to be located in the existing control building on site” and will control “the battery modules, PCS, medium voltage system up to the point of coupling with the

existing SEGS VIII and IX solar generating units.” Please describe in greater detail the control scheme that would be used to operate and dispatch the proposed BESS. Please include in the discussion a description of any common or shared equipment, infrastructure, or staffing between the BESS and the SEGS VIII and IX facilities.