

## DOCKETED

<b>Docket Number:</b>	08-AFC-09C
<b>Project Title:</b>	Palmdale Energy Project (Formerly Palmdale Hybrid Power Plant) - Compliance
<b>TN #:</b>	210594
<b>Document Title:</b>	Palmdale Energy LLC's Revised Supplemental Response to California Energy Commission Staff Data Request 55 and 58
<b>Description:</b>	N/A
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<b>Organization:</b>	DayZen LLC
<b>Submitter Role:</b>	Applicant Representative
<b>Submission Date:</b>	3/2/2016 12:26:27 PM
<b>Docketed Date:</b>	3/2/2016

## **INTRODUCTION**

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Attached is Palmdale Energy, LLC's revised responses to California Energy Commission Staff (Staff) Data Requests 55 and 58 for the Palmdale Energy Project (PEP) Petition For Amendment. For context the text of the Data Requests precedes the Data Responses.

### **Data Request 55**

Resubmit Figure 3-1a and Figure 3-1b.

1. Show bay arrangement of the necessary equipment which is required to interconnect the project.
2. Provide ratings of the breakers, disconnect switches, relays, buses, and etc.

### **Response to Data Request 55**

Palmdale Energy has revised Figure AO1 to show rating for the generators and step-up transforms, Please also note that Figure 3-1b already includes ratings for the generators and step-up transformers and, as a single line drawing of the power block.

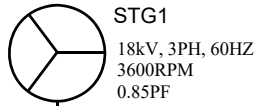
### **Data Request 58**

Provide generator tie-line conductor type, current carrying capacity, and conductor size.

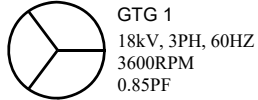
### **Response to Data Request 58**

The generator tie-line conductor will be a horizontal double bundle (two conductors per phase) 1272 kcmil ACSR that will have rating of 2500 amps at the maximum designed operating temperature.

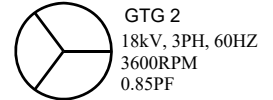
**Palmdale Energy Center**



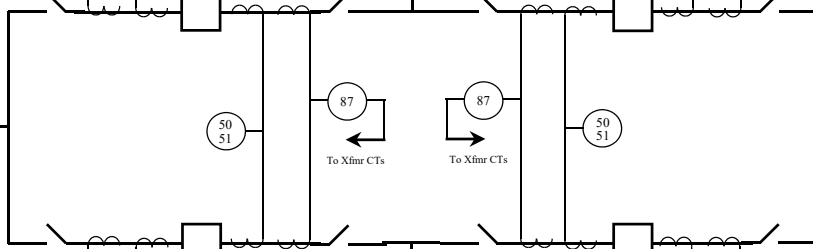
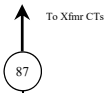
18-230kV  
228/304/380MVA  
z = 9% on  
228MVA Base



18-230kV  
180/240/300MVA  
z = 9% on  
180MVA Base



18-230kV  
180/240/300MVA  
z = 9% on  
180MVA Base



**New 230kV Switchyard**

13.7 Miles

230kV Line  
to SCE  
Vincent Substation



DATE: 02/26/16  
REV: B

**SUMMIT POWER**  
**Palmdale Energy Center**  
**ONE-LINE**

DWG NO  
**A01**