Docket Number:	08-AFC-09C									
Project Title:	Palmdale Energy Project (Formerly Palmdale Hybrid Power Plant) - Compliance									
TN #:	210185									
Document Title:	Palmdale Energy LLC's Supplemental Response to CEC Staff Data Reques 46									
Description:	N/A									
Filer:	Marie Fleming									
Organization:	DayZen LLC									
Submitter Role:	Applicant Representative									
Submission Date:	2/5/2016 1:11:14 PM									
Docketed Date:	2/5/2016									

INTRODUCTION

Attached is Palmdale Energy, LLC's supplemental response to California Energy Commission Staff (Staff) Data Request 46 for the Palmdale Energy Project (PEP) Petition For Amendment. For context the text of the Data Request precedes the Data Response.

SOCIOECONOMIC RESOURCES (46)

Data Request 46

Please provide the construction workforce by month during the 25-month construction period. If possible, please also present the construction workforce by trade (e.g. boilermaker, electrician) and month.

Response to Data Request 46

Palmdale Energy LLC provided a spreadsheet in Response to Data Request 46 on November 30, 2015. Staff correctly identified an error in the spreadsheet in calculating the average monthly workforce. The average workforce based on a 25 month schedule is 371 workers and the maximum is 710. The reason the monthly totals for the combined cycle staffing differed slightly from the result of summing the values for a month is the values in the cells, while displayed as integers, were not in all cases integers. The *Total* line from the spreadsheet presents an integer value resulting from the summing of the non-integer monthly values, this resulted in slight discrepancies between the sum of the monthly values and the *Total* values on the spreadsheet.

A correct spreadsheet is provided in Appendix Supplemental DR-46 attached.

APPENDIX SUPPLEMENTAL DR-46 CONSTRUCTION WORKFORCE BY SKILL

PEP Construction Workforce by Skill																											
Manpower by Trade/Project Element	M 1	M 2	M 3	M 4	M 5	M 6	M 7	M 8	M 9	M 10	M 11	M 12	M 13	M 14	M 15	M 16	M 17	M 18	M 19	M 20	M 21	M 22	M 23	M 24	M 25	M 26	M 27
Construction - Combined-Cycle Component																											
Welders	7	7	17	17	26	39	51	64	73	73	73	73	64	51	51	43	43	34	30	17	13	9	0	0	0	0	0
Carpenters, Bricklayers and Masons	9	9	17	17	26	30	43	51	51	60	51	51	51	43	34	26	17	17	13	9	9	4	0	0	0	0	0
Electricians	11	17	17	17	30	30	30	43	56	64	64	64	56	56	51	34	34	26	26	17	17	9	9	9	9	0	0
Ironworkers	0	6	6	11	11	21	31	41	51	51	51	41	41	31	31	21	21	21	21	4	0	0	0	0	0	0	0
Laborers	9	17	17	26	26	26	26	47	55	60	51	51	51	43	34	26	26	17	17	17	17	9	9	9	9	0	0
Millwrights	2	2	2	6	6	11	11	11	26	26	26	22	22	22	17	13	13	9	9	9	9	5	0	0	0	0	0
Equipment Operators	9	17	26	26	26	26	34	43	51	51	43	43	43	43	43	34	26	26	17	9	9	9	9	9	9	0	0
Plasterers	0	0	0	0	0	0	0	0	0	0	0	0	4	7	7	6	6	6	4	2	2	2	0	0	0	0	0
Painters	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	9	9	9	9	7	7	4	4	4	4	0	0
Pipefitters	7	7	14	21	21	34	43	43	51	51	51	41	41	34	34	28	28	21	21	16	16	11	4	4	4	0	0
Sheetmetal Workers	0	0	0	0	4	4	4	4	4	9	9	9	9	9	6	6	6	4	4	4	0	0	0	0	0	0	0
Sprinklerfitters	0	0	0	0	0	0	0	0	7	7	7	7	7	7	11	11	11	11	6	6	6	6	6	6	6	0	0
Surveyors/Designers	4	4	4	9	9	9	9	9	9	9	9	9	9	9	9	9	9	6	6	6	4	4	4	4	4	0	0
Insulation Workers	0	0	0	0	0	0	0	13	13	17	17	17	17	17	17	26	26	26	26	26	17	17	17	17	17	0	0
Supervisors, Planners, etc.	9	17	26	34	43	51	60	68	68	68	60	51	43	43	34	26	22	22	22	17	9	9	9	9	9	0	0
Subtota	al 67	103	146	184	230	283	344	439	517	548	514	481	460	417	381	318	297	255	231	166	135	98	71	71	71	0	0
Construction - Pipelines (Gas, Water Supply, Etc.)				<u> </u>																							
Unskilled Labor			0	0	0	0	28	28	28	28	42	42	42	42	42	0	0	0	0	0	0	0	0	0	0	0	0
Welders			0	0	0	0	3	3	3	3	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0
Pipefitters			0	0	0	0	3	3	3	3	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0
Equipment Operators			0	0	0	0	9	9	9	9	14	14	14	14	14	0	0	0	0	0	0	0	0	0	0	0	0
Foremen			0	0	0	0	4	4	4	4	8	8	8	8	8	0	0	0	0	0	0	0	0	0	0	0	0
Supervisors, Etc			0	0	0	0	1	1	1	1	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0
Subtota	a/		0.0	0.0	0.0	0.0	48.0	48.0	48.0	48.0	72.0	72.0	72.0	72.0	72.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Construction- Transmission Lines				<u> </u>																	<u> </u>						
General Foremen			3	6	4	4	6	4	1	0	0	0	0	0	3	4	5	4	0	0	0	0	0	0	0	0	0
Foreman			14	14	8	8	12	8	2	12	16	10	0	4	13	16	11	8	0	0	0	0	0	0	0	0	0
Leadman			19	19	4	4	4	5	6	4	0	1	4	20	20	20	4	4	4	0	0	0	0	0	0	0	0
Journey Lineman			20	32	36	36	51	32	8	12	36	18	0	0	30	40	34	24	0	0	0	0	0	0	0	0	0
Apprentice Linemen			8	14	16	16	18	8	2	4	12	6	0	0	6	8	10	8	0	0	0	0	0	0	0	0	0
Groundman			16	19	20	20	17	10	12	12	12	15	8	8	14	16	10	8	10	0	0	0	0	0	0	0	0
Equipment operators			24	36	28	28	33	26	18	23	28	17	12	24	36	40	28	24	10	0	0	0	0	0	0	0	0
Cement Truck Drivers			18	18	0	0	0	0	0	12	8	0	0	20	20	20	0	0	0	0	0	0	0	0	0	0	0
Welders			8	2	0	0	0	0	0	0	0	0	0	0	9	12	3	0	0	0	0	0	0	0	0	0	0
Mechanic			4	4	4	4	6	4	1	3	4	3	0	0	3	4	5	4	0	0	0	0	0	0	0	0	0
Skilled Laborers			24	24	0	0	0	0	0	16	8	0	0	0	28	28	0	0	0	0	0	0	0	0	0	0	0
Carpenters			9	9	0	0	0	0	0	4	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0
Subtota	al O	0	167.0	197.0	120.0	120.0	147.0	97.0	50.0	102.0	124.0	70.0	24.0	76.0	182.0	208.0	110.0	84.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	1 67	103	313.0													526.0								71.0			0.0