



November 14, 2012

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California Energy Commission  
Dockets Unit  
Attn: Docket 12-IEP-1c  
1516 Ninth Street, MS-4  
Sacramento, CA 95814-5512

California Energy Commission

**DOCKETED**  
**12-IEP-1C**

TN # 68575

NOV 19 2012

**Subject:** Docket 12-IEP-1c, Information Request Submittal for the City of Anaheim's Canyon Power Plant

Dear Dockets Unit Staff:

I am forwarding for docketing the information request response submittal for the City of Anaheim's Canyon Power Plant that was e-mailed to Energy Commission and Energy Commission consultant (Aspen Environmental Group) staff before we provided corrected submittal instructions for submittals not requesting confidentiality (i.e. that the submittal needed to be provided formally to Dockets). This submittal provides both a hardcopy and the necessary CD copy to complete the docket submittal. The e-mail text provided by the City of Anaheim is provided on the next page, and this cover letter and the information request response table and additional costs details are provided in a single combined .pdf file in the attached CD.

Regards,

William Walters, P.E.  
Aspen Environmental Group

**From:** Charles Byrom [mailto:CByrom@anaheim.net]  
**Sent:** Wednesday, October 31, 2012 12:16 PM  
**To:** William Walters; 'ivin.rhyne@energy.ca.gov'  
**Cc:** Manny Robledo; Larry Davis; Russell Dowell  
**Subject:** Information Request for As-Built Project Costs for the Canyon Power Plant

Please find attached both the Attachment 1 and a spreadsheet showing the Canyon Power Plant cost through May 31, 2012. Let me know if I can be of any more help. Regards, Charles

Kind Regards,

Charles Byrom  
Generation Plant manager

*City of Anaheim - Public Utilities  
Kraemer and Canyon Power plants*

*714 765-4536 office  
714 478-1256 mobile*



Canyon Power Plant (07-AFC-9) As-Built Information Request			Confidential <input checked="" type="checkbox"/> 1
#	As-Built Capital Cost Information Request Parameter		
1	Gas Turbine and combustor make/models	Gas Turbine 1-4 Make/Model <u>GE LM6000 PC Sprint</u>	
2	Combustor make/model	Turbine 1 Combustor Make/Model <u>Annular PC G42</u> Turbine 2 Combustor Make/Model <u>Annular PC G42</u> Turbine 3 Combustor Make/Model <u>Annular PC G42</u> Turbine 4 Combustor Make/Model <u>Annular PC G42</u>	
3	Total Capital Cost of Facility	\$ MM <u>261.277</u> (\$ MM = Millions of Dollars) <u>As of May 31, 2012</u> Total capital cost value basis for the costs presented above and below: 1) Instant or overnight costs <input type="checkbox"/> or Installed or final costs <input checked="" type="checkbox"/> 2) Costs are provided <input type="checkbox"/> with sales & use tax or <input type="checkbox"/> without sales & use tax included 3) Year basis for capital costs provided above and below - <u>2012</u>	<input type="checkbox"/>
Capital Cost Details			
4	Gas Turbine/Generator Cost (installed cost each)	\$ MM <u>21.45</u> ;if not installed cost please list basis _____	<input type="checkbox"/>
5	Inlet Air Treatment (not filtering - installed cost)	Inlet Air Treatment (Y/N?) <u>Y</u> Type <u>Chillers</u> Cost \$ MM _____ If not installed cost please list basis _____	<input type="checkbox"/>
6	Cooling Equipment Cost (installed cost)	\$ MM <u>11.59</u> ;if not installed cost please list basis _____	<input type="checkbox"/>
7	Water Treatment Facilities (installed cost)	\$ MM <u>18.57</u> ZLD System (Y/N?) <u>N</u> ;if not installed cost please list basis _____	<input type="checkbox"/>
8	Site Footprint and Land Cost	Acres <u>9.5</u> \$ MM _____ <u>Leased</u>	<input type="checkbox"/>
9	Total Construction Costs (Labor/Equipment/etc.)	\$ MM _____	<input type="checkbox"/>
10	Cost of Site Preparation	Site Grading/Earthmoving/Compaction \$ MM _____ Soil Remediation \$ MM _____	<input type="checkbox"/>
11	Cost of Linear Connection Construction	Natural Gas \$ MM _____ Transmission \$ MM _____ Water \$ MM _____ Sewer \$ MM _____	<input type="checkbox"/>
12	Cost of Licensing/Permitting Project	\$ MM _____ (not including emissions offset costs requested below)	<input type="checkbox"/>
13	Air Pollution Control Costs	SCR \$ MM _____ Oxidation Catalyst \$ MM <u>\$ 6.4 MM</u>	<input type="checkbox"/>
14	Cost of Emission Reduction Credits (ERCs) or other Offsets	NOx \$ MM _____ PM10 \$ MM _____ VOC \$ MM _____ SOx \$ MM _____ CO \$ MM _____	<input type="checkbox"/>
15	City of Anaheim Contact Person for Follow-up Questions	Name <u>Charles Byrom</u> Phone Number <u>714 765-4536</u>	

<sup>1</sup> – Confidentiality request shall be limited to information that is not otherwise public information (for example, the unshaded cells). We have provided a shell you can use to complete the formal confidentiality letter request.  
MM = Million

Contact Person: Will Walters @ 818-338-6757 or [wwalters@aspeneq.com](mailto:wwalters@aspeneq.com).

SOUTHERN CALIFORNIA PUBLIC POWER AUTHORITY  
CANYON POWER PROJECT  
FERC CAPITAL SUMMARY  
as 5/31/12

	FERC#	Total-revised	detail by unts	Grand Total	notes
<b>INTANGIBLE</b>					
Misc intangible plant	303	20,051,421.24	20,051,421.24	20,051,421.24	
<b>PRODUCTION-OTHER</b>				210,795,839.99	
Structure & improvement	341	10,266,019.28	10,266,019.28		
<b>Generator</b>	344	137,662,616.60			
-Unit 1	344-1				ref generator w/s
Generator	344-11		3,081,215.51		
Turbine	344-12		18,373,173.97		
ECM(SCR & CEMS)	344-13		6,961,264.67		
-Unit 2	344-2				
Generator	344-21		3,081,215.51		
Turbine	344-22		18,373,173.97		
ECM(SCR & CEMS)	344-23		6,961,264.67		
-Unit 3	344-3				
Generator	344-31		3,081,215.51		
Turbine	344-32		18,373,173.97		
ECM(SCR & CEMS)	344-33		6,961,264.67		
-Unit 4	344-4				
Generator	344-41		3,081,215.51		
Turbine	344-42		18,373,173.97		
ECM(SCR & CEMS)	344-43		6,961,264.67		
-Plant foundation & substructure	344-5		24,000,000.00		
<b>Accessory elec equip</b>	345	3,192,859.91			
-Unit 1	345-1		798,214.98		
-Unit 2	345-2		798,214.98		
-Unit 3	345-3		798,214.98		
-Unit 4	345-4		798,214.98		
<b>Misc power plant equip</b>	346	59,674,344.20			ref barton Malow w/s
<b>Chiller system</b>	346-1				
-Unit 1	346-11		5,796,597.87		
-Unit 2	346-12		5,796,597.87		
<b>Gas compressors</b>	346-2				
-Unit 1	346-21		3,794,136.79		
-Unit 2	346-22		3,794,136.79		
-Unit 3	346-23		3,794,136.79		
-Unit 4	346-24		3,794,136.79		
-Unit 5	346-25		3,794,136.79		
<b>Water treatment &amp; distrubution sys</b>	346-3		18,571,195.67		
<b>Air compressor</b>	346-4				
-Unit 1	346-41		1,053,926.89		
-Unit 2	346-42		1,053,926.89		
<b>Ammonia storage</b>	346-5		3,161,780.66		
<b>Emergency generator</b>	346-6		5,269,634.43		
<b>TRANSMISSION ASSETS</b>					
Switch yard	353	29,981,821.76		29,981,821.76	ref switch yard w/s
Switch yard building	353-1		2,998,182.17		
Control house building	353-2		1,998,788.12		
Relays, batteries, etc	353-3		1,998,788.12		
69kV breakers & LCC panels	353-4		9,993,940.59		18 breakers
69kV duct bank & cables	353-5		12,992,122.76		
<b>GENERAL ASSETS</b>		448,803.99			
Structure & improvement	390		198,134.00	448,803.99	
Office furniture & equip	391		96,703.41		
Store equip	393		90,837.43		
Tools, shop & garage equip	394		63,129.15		
<b>Total costs as 5/31/12</b>		<b>261,277,886.98</b>	<b>261,277,886.99</b>	<b>261,277,886.98</b>	