



Roseville Electric – Roseville Energy Park
5120 Phillip Road
Roseville, California 95747

California Energy Commission
DOCKETED
12-IEP-1C
TN # 68782
DEC. 03 2012

November 30, 2012

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

Subject: Information Request for As-Built and As-Operating Project Costs for the
Roseville Energy Park Power Plant

To Whom It May Concern:

Please find attached the Information Request for As-Built and As-Operating Project Costs for the Roseville Energy Park Power Plant. The as-built costs were only available in aggregated format and no detail was available. I hope this provides some useful data for your analysis. For any follow up questions regarding the as-built costs please contact Phillip McAvoy at 916-774-5689 and for as-operating costs please contact Matt Garner at 916-746-1691.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jamie Jobes".

Ms. Jamie Jobes
Electric Compliance Analyst
jjobes@roseville.ca.us

Roseville Energy Park (03-AFC-1) As-Built Information Request			Confidential <input checked="" type="checkbox"/> 1
#	As-Built Capital Cost Information Request Parameter		
1	Gas Turbine Make/Models	Gas Turbines 1-2 Make/Model <u>GE LM6000 or Alstom GTX100 (please identify which was used)</u>	
2	Combustor Make/Model	Turbine 1 Combustor Make/Model <u>Siemens SGT800</u> Turbine 2 Combustor Make/Model <u>Siemens SGT800</u>	
3	Steam Turbine/Generator Make/Model	Steam Turbine/Generator 1 Make/Model <u>Coen 40D-14757-1-000</u>	
4	Total Capital Cost of Facility	\$ MM <u>182</u> (\$ MM = Millions of Dollars) Total capital cost value basis for the costs presented above and below: 1) Instant or overnight costs <input type="checkbox"/> or Installed of 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 Year basis for capital costs provided above and below - <u>20</u>	<input type="checkbox"/>
Capital Cost Details			
5	Gas Turbine/Generator Cost (installed cost each)	\$ MM _____ ;If not installed cost please list basis _____	<input type="checkbox"/>
6	Steam Turbine/Generator Cost (installed cost each)	\$ MM _____ ;If not installed cost please list basis _____	<input type="checkbox"/>
7	Inlet Air Treatment (not filtering - installed cost)	Inlet Air Treatment (Y/N?) <u>Y</u> Type <u>Evaporative Inlet Air Coolers</u> Cost \$ MM _____ If not installed cost please list basis _____	<input type="checkbox"/>
8	Cooling Equipment Cost (installed cost)	\$ MM _____ ;If not installed cost please list basis _____	<input type="checkbox"/>
9	Water Treatment Facilities (installed cost)	\$ MM _____ ZLD System (Y/N?) <u>Y</u> ;If not installed cost please list basis _____	<input type="checkbox"/>
10	Site Footprint and Land Cost	Acres <u>12</u> \$ <u>212,650</u>	<input type="checkbox"/>
11	Total Construction Costs (Labor/Equipment/etc.)	\$ MM _____	<input type="checkbox"/>
12	Cost of Site Preparation	Site Grading/Earthmoving/Compaction \$ MM _____ Soil Remediation \$ MM _____	<input type="checkbox"/>
13	Cost of Linear Connection Construction	Natural Gas \$ MM _____ Transmission \$ MM _____ Water \$ MM _____ Sewer \$ MM _____	<input type="checkbox"/>
14	Cost of Licensing/Permitting Project	\$ MM _____ (not including emissions offset costs requested below)	<input type="checkbox"/>
15	Air Pollution Control Costs	SCR \$ MM _____ Oxidation Catalyst \$ MM _____	<input type="checkbox"/>
16	Cost of Emission Reduction Credits (ERCs) or other Offsets	NOx \$ MM _____ PM10 \$ MM _____ VOC \$ MM _____ SOx \$ MM _____ CO \$ MM _____	<input type="checkbox"/>
17	City of Roseville Contact Person for Follow-up Questions	Name <u>Phillip McAvoy</u> Phone Number <u>774-5689</u>	

¹ - 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.

Roseville Energy Park (03-AFC-1) -Operating Information Request			Confidential <input checked="" type="checkbox"/> 1
#	Operating Cost Information Request Parameter		
1	Total Annual Operating Costs (Cost should be inclusive of fuel and all other operating costs)	2007 - \$ MM <u>NA</u> 2008 - \$ MM <u>54490706</u> 2009 - \$ MM <u>37660694</u> 2010 - \$ MM <u>23107868</u> 2011 - \$ MM <u>11540723</u> Total operating cost value basis: 1) Costs are provided <input checked="" type="checkbox"/> with sales and use tax or <input type="checkbox"/> without sales and use tax included	<input type="checkbox"/>
2	Operating hours and Startups/Shutdowns Hours (average considering number of turbines at site)	2007 – Operating Hours <u>NA</u> Startup/shutdown hours <u>NA</u> No. of Startups <u>NA</u> 2008 – Operating Hours <u>6549.78</u> Startup/shutdown hours <u>299/74.75</u> No. of Startups <u>996</u> 2009 – Operating Hours <u>7062.67</u> Startup/shutdown hours <u>78/19.5</u> No. of Startups <u>26</u> 2010 – Operating Hours <u>4413.02</u> Startup/shutdown hours <u>69/17.25</u> No. of Startups <u>23</u> 2011 – Operating Hours <u>2444697</u> Startup/shutdown hours <u>38/9.5</u> No. of Startups <u>1267</u>	
3	Natural Gas – Sources of Fuel.	Utility Supplier PG&E <input checked="" type="checkbox"/> SoCalGas <input type="checkbox"/> SDG&E <input type="checkbox"/> Other secondary sources (describe) _____	
4	Duct Burner Natural Gas Usage (MMCuft)	Duct Burner Fuel Use 2007 <u>NA</u> 2008 <u>2.037</u> 2009 <u>2.154</u> 2010 <u>1.611</u> 2011 <u>0.758</u> Duct Burner Hours of Operation 2007 <u>NA</u> 2008 <u>1768.95</u> 2009 <u>1844.41</u> 2010 <u>1433.31</u> 2011 <u>696.79</u>	
5	Natural Gas Average Annual Price (\$/MMBtu)	Utility Gas - 2007 _____ 2008 _____ 2009 _____ 2010 _____ 2011 _____ Other source - 2007 _____ 2008 _____ 2009 _____ 2010 _____ 2011 _____	<input type="checkbox"/>
6	Water Supply Source/Cost/Consumption (2011)	Average Cost \$ <u>4470</u> /acre-ft, Consumption <u>18.5</u> acre-ft	<input type="checkbox"/>
7	Staffing (average annual cost – 2011 dollars) (please provide staffing in full time equivalents)	Managers <u>3</u> #, Operators <u>12</u> #, Mechanics <u>1</u> #, Laborers <u>1</u> #, Support Staff <u>2</u> #, Other <u>2</u> # Total Payroll <u>3468386</u> \$/yr	<input type="checkbox"/>
8	Ongoing Operating Costs (average annual cost – 2011 dollars)	Consumables Costs (Chemicals, etc) <u>179506</u> \$/yr, Equipment acquisition and leasing costs <u>0</u> \$/yr, Regulatory Filings, etc. <u>95644</u> \$/yr, Ongoing Emissions Offsets Costs <u>0</u> Other Direct Costs <u>7797187</u> \$/yr	<input type="checkbox"/>
9	Estimate of Actual Annual Maintenance Costs (2011 dollars)	Normal Annualized Maintenance Costs \$ <u>1514281</u> (include major overhauls) Major Overhaul Frequency <u>6</u> yrs, last year of occurrence <u>20</u> , cost of last major overhaul \$ MM _____	<input type="checkbox"/>
10	Fixed versus Variable O&M Costs Definition	For non-fuel costs please list the items considered as fixed cost versus variable O&M cost (please attached separate sheet if needed) Fixed O&M Costs <u>See attached sheet</u> Variable O&M Costs <u>See attached sheet</u>	<input type="checkbox"/>
11	City of Roseville Contact Person for Follow-up Questions	Name <u>Matt Garner</u> Phone Number <u>916-746-1691</u>	

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