

**PACIFIC GAS AND ELECTRIC COMPANY**

**Case Name**

**Case No.**

**Data Response**

PG&E Data Request No.:	DRA_05		
PG&E File Name:	AL4058-E		
Request Date:	July 5, 2012	Requester DR No.:	
Date Sent:	July 12, 2012	Requesting Party:	DRA
PG&E Witness:		Requester:	Hank Pielage

**SUBJECT: CONTRA COSTA-MORAGA #1 AND #2 230kV NERC PROJECT**

After review of your response in DRA\_03, DRA finds a Data Gap and requests additional information.

DRA requested a cost estimate of the proposed project. PG&E provided a cost estimate of \$1,874,204 subject to final cost for permitting and contract construction costs.

**QUESTION 1**

Please verify that the cost number provided is for PG&E design and provide a breakdown of the design elements contained in the estimate.

**ANSWER 1**

PG&E's cost estimate of \$1.8 million includes the cost for engineering, land activities, permitting, materials, construction and operations support. The following is a breakdown of the design elements contained in the cost estimate:

**Contra Costa-Moraga #1 and #2 230kV Tower Line**

- Raise Tower 1/9, 1/10, 3/18, 3/20, 4/24, 5/27, 9/50, 11/58, 12/63, 18/89 and 26/125 with top cage extensions
- Raise Tower 2/13 and 4/26 with a waist cage extension
- Convert Tower 13/67 to a dead end.

**Contra Costa-Los Positas 230kV Tower Line**

- Raise Tower 1/10 with a top cage extension. (Span 1/10 to 2/11 crosses the Contra Costa-Moraga #1 and #2 230kV circuit. To raise Towers 1/9 and 1/10 we need to increase the height of the span on this tower line also.)

## **QUESTION 2**

DRA believes that the construction cost of the project will be substantial. As the Engineer for the project, PG&E should be able to provide an estimate of the Construction Costs. DRA requests a construction cost estimate.

## **ANSWER 2**

Engineering, land activities, permitting, materials, construction and operations support to address the scope of work (14 tower extensions and 1 dead end conversion) identified in Answer 1 above is estimated at \$1,874,204. The estimated cost of the construction is \$1,534,013 (construction contract, materials, inspection and operations support).

Actual costs will not be known until completion of the project and may vary due to permitting, the results of competitive bidding for construction contractors, and other factors.