

## Final Ex Ante Review Findings

**Table 1-1: Project Information**

<b>IOU</b>	PG&E
<b>Application ID</b>	1440-13-1237 (formerly 1261-12-860)
<b>Application Date</b>	11/5/2012
<b>Program ID</b>	PGE23036
<b>Program Name</b>	Comprehensive Food Process Audit & Resource Efficiency Pgm
<b>Program Year</b>	2014
<b>Itron Project ID</b>	X239
<b>IOU Ex Ante Savings Date</b>	5/19/2014
<b>Measure Name</b>	Compressed Air System Modifications
<b>Project Description</b>	Install new air compressor trim station (one 350 HP and one 397 HP air compressor with a VFD), compressor controls, two new air dryers, two 5,000 gallon air receivers, a pressure flow controller and four no loss condensate drains.
<b>Date of ED Review(s)</b>	2/7/2013, 6/13/2014, 9/12/2014, 11/22/14
<b>Primary Reviewer / Firm</b>	Keith Rothenberg/Energy Metrics
<b>Review Supervisor / Firm</b>	JJ Hirsch & Associates
<b>ED Project Manager</b>	[REDACTED]
<b>ED Policy Authorization (as needed)</b>	
<b>Type of Review (Desk, On-site, Full M&amp;V, Tool)</b>	Desk
<b>ED Recommendation</b>	This project was previously approved for classification as early retirement with an RUL of 4.33 years and a EUL of 13 years. A NTG was previously approved at 1.0. The ex ante savings estimates are approved by this disposition at the Commission staff calculated values of 1,652,321 kWh and 211.5 kW for the RUL period and 329,795 kWh and 42.6 kW for the EUL-RUL period. An approved project TRC project cost for incentive limiting purposes is set by this disposition at \$309,029 using initial and incremental costs of \$939,951 and \$71,235

	respectively.
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### Measure Description

The project included the following measures:

- Replace two air compressors with a new air compressor trim station which includes one 350 HP oil flooded rotary screw air compressor and one 397 HP oil flooded rotary screw air compressor with a VFD.
- Install sequencing controls for the two new compressors,
- Replace two air dryers with two new air dryers (air dryer description not provided),
- Replace air receivers with a two new 5,000 gallon receivers.
- Install a pressure flow controller
- Install four no loss condensate drains.

### Summary of Review

The Investor-Owned-Utility (IOU) submitted the following document on 11/12/2014 for this final review:

1. CR\_1440-13-1237\_Completion Report\_Rev12\_Final.docx

The revised document provided by the IOU contains an addendum attached to the front of the previously submitted report indicating that Commission Staff's ex ante energy savings values shown in the Phase III ex ante review (X239\_Phase III EAR PGE\_FPP 1440-13-1237 2014\_0917.pdf) are the final values for the project. Each page has a header of the document has a watermark indicating that the figures in the report are superseded by Commission Staff's disposition.

### Review Conclusion

The ex ante savings estimates are approved by this disposition at the Commission staff calculated values of 1,652,321 kWh and 211.5 kW for the RUL period and 329,795 kWh and 42.6 kW for the EUL-RUL period. An approved project TRC project cost for incentive limiting purposes is set by this disposition at \$309,029 using initial and incremental costs of \$939,951 and \$71,235 respectively.

### Summary of CPUC Staff Required Action by the IOU

CPUC Staff request that the IOU undertake the recommended steps and submit the following information **due on 1/31/2015:**

1. Schedule a meeting with Commission staff, the IOU Program manager and IOU reviewer to discuss the Commission Staff's comments on this project's issues that we have identified in the previous EARs, and how to avoid similar issues on future projects whether they are selected by Commission staff for ex ante review or not selected for ex ante review. Commission staff request that several members of the IOU reviewer's staff participate in this meeting so that they can benefit from the discussion, and avoid similar issues on the projects that they are responsible to review.
2. Upon savings claim, PG&E shall upload the Claim IDs for this project to the X239 CMPA folder.

**Table 1-3 Energy Savings Summary, Project Costs & Incentive**

<b>Description</b>	<b>IOU Ex Ante Claim</b>	<b>CPUC Staff Recommendations</b>
<b>First Year kWh Savings</b>	1,652,321	1,652,321
<b>First Year Peak kW Savings</b>	211.5	211.5
<b>First Year Therms Savings</b>	0	0
<b>kWh Savings (RUL Period)</b>	1,652,321	1,652,321
<b>Peak kW Savings (RUL Period)</b>	211.5	211.5
<b>Therms Impact (RUL Period)</b>	0	0
<b>kWh Savings (RUL thru EUL Period)</b>	329,795	329,795
<b>Peak kW Savings (RUL thru EUL Period)</b>	42.6	42.6
<b>Therms Savings (RUL thru EUL Period)</b>	0	0
<b>Annual Non-IOU Fuel Impact (RUL Period)</b>	NA	NA
<b>Annual Non-IOU Fuel Impact (RUL thru EUL Period)</b>	NA	NA
<b>Project Costs for Baseline #1 (RUL or EUL)</b>	\$939,951	\$939,951
<b>Project Costs for Baseline #2 (EUL minus RUL period)</b>	\$71,235	\$71,235
<b>Project Incentive Amount</b>	\$169,859	\$169,859