

Phase I Ex Ante Review Findings

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| IOU | PGE |
| Application ID | 2K12135496 |
| Application Date | 12/9/11 |
| Program ID | PGE21021 |
| Program Name | Energy Efficiency Incentives (EEI) Program for Oil and Gas Production |
| Program Year | 2012 |
| Itron Project ID | X276 |
| IOU Ex Ante Savings Date | Not provided |
| ED Measure Name | Pump Off Controllers (POCs) for Rod Beam Pumping Units |
| Project Description | Installation of POCs on one hundred thirty (130) existing rod beam pumps |
| Date of ED Review(s) | 1/28/13 |
| Primary Reviewer and Firm | Phani Pagadala/Itron |
| Review Supervisor and Firm | Joseph Ball/Itron |
| Type of Review (Desk, On-site, Full M&V, Tool) | Desk Review |
| ED Recommendation | Based on findings from a recently conducted industry standard practice (ISP) baseline assessment study, the proposed measure (POCs on rod beam pumps at major oil producers) is considered standard practice for both retrofit and new construction projects; therefore, no gross savings can be assigned to this project. |

Measure Description

The proposed project entails installing POCs on one hundred thirty (130) rod beam pumps at the facility. The POC will shut the well down based on downhole conditions, resulting in energy savings. The baseline equipment for this project is claimed to be the existing rod beam pumps with no controls. According to the submitted project description report, the annual energy savings estimated due to the POC installation are 541,270 kWh with an anticipated peak demand reduction of 65.8 kW. The project incentive is estimated at \$55,291.

Summary of Review

Included within the application packet that was received and reviewed during this Phase I review were the following: project agreement letter, project application review and the preliminary savings calculations along with project correspondence. The project's energy savings estimates were calculated utilizing algorithms based on the standard performance contract (SPC) POC calculator.

The ED has recently conducted an ISP assessment for artificial lift pump control technologies and has determined that the installation of POCs on rod beam pumps at major oil producers is a standard practice for both retrofit and new construction projects. The ISP assessment findings report is currently under ED- CPUC internal review and will be made available once the review is completed.

Review Conclusion

Per the findings from the recent ISP study, the proposed measure, installation of POCs on rod beam pumps at a major oil producer, is considered an industry standard practice for retrofit and new construction projects, therefore no gross savings can be assigned to this project.