

To: Office of Planning and Research
PO Box 3044, 1400 Tenth Street, Room 222
Sacramento, CA 95812-3044

From: California Energy Commission
1516 Ninth Street, MS-48
Sacramento, CA 95814

Project Title: Advanced Software for Demand and Energy Reduction in California Pipelines

Project Location - Specific: ConocoPhillips Line 200 pipeline starting at Coalinga and ending at ConocoPhillips refinery at Rodeo

Project Location - City: Coalinga and Rodeo Project Location - County: Fresno and Contra Costa

Description of Project:

This project will demonstrate the energy savings possible with use of pump optimization software and use of drag reducing agents (DRA). mc2 will retool their existing pump optimization software to provide an integrated software solution to determine:

- Optimal pump selection (electric or natural gas) and sequence for specific fluid
Optimal DRA concentration profile based on fluid transported
Identify or forecast scheduled periods of high pipeline flow and energy use to optimize the schedule to reduce those periods while maintaining throughput requirements.

This technology has the potential California-wide energy savings of 23 GWh / year, coupled with a conservatively estimated 50 MW in demand reductions, and 5 Mtherms / year gas use reduction.

Name of Public Agency Approving Project: California Energy Commission

Name of Person or Agency Carrying Out Project: mc2 Consulting, Inc.

Exempt Status: (check one)

- Ministerial (Sec. 21080(b)(1); 15268);
Declared Emergency (Sec. 21080(b)(3); 15269(a));
Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
[X] Categorical Exemption. State type and section number 14 CCR 15306
Statutory Exemptions. State code number.
Common Sense Exemption. 15061(b)(3)

Reasons why project is exempt:

Class 6 - Basic data collection, research, experimental management, and resource evaluation activities that do not result in major disturbances to an environmental resource.

Lead Agency

Contact Person: Anish Gautam Area code/Telephone/Ext: 654-4196

If filed by applicant:

- 1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project? Yes No

Signature: _____

Date: _____

Title: _____

Signed by Lead Agency

Signed by Applicant

Date received for filing at OPR: _____