



May 23, 2016

California Department of Water Resources
Division of Integrated Regional Water Management
Financial Assistance Branch
Post Office Box 942836
Sacramento, CA 94236
Attn: Leslie Pierce

SUBJECT: Comments to Draft 2016 Water-Energy Grant Program
Guidelines and Proposal Solicitation Package

Dear Leslie:

Syzergy is a 501c3 tax exempt corporation dedicated to advancing environmental sustainability. We believe that DWR's Water-Energy Grant has an important role in achieving California's long-term vision of a drought resilient and reliable energy future, and greatly appreciate the opportunity to provide comments to the Draft Grant Program Guidelines and Proposal Solicitation Package (PSP). Below are our recommendations:

1. Residential Customers. Although it may be true that much has already been done to bring low flow showerheads, faucet aerators and efficient toilets to single family residential properties within Disadvantaged Communities (DACs), other types of residential measures such as efficient clothes washers and dishwashers are not as prevalent. We also believe that much can still be done for multi-family low income properties. Consequently, we recommend including residential measures within DACs and low income multi-family residential properties whether or not within DACs, as eligible for this grant program.
2. Municipal and Institutional. It would be beneficial to expand the list of eligible customers to other non-residential sectors; in particular, municipal/governmental and institutional customers.
3. Eligible Measures. Expanding the list of measures will provide more opportunities for cost-effective water and energy savings, and GHG emissions reductions.
 - a. Many industrial processes use a lot of hot water. The current list does not enable helping industrial customers to reduce process hot water use.

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- b. The draft list of measures includes Bathroom Faucet Aerators but does not include Kitchen Faucet Aerators. Similarly, the list of measures includes commercial clothes washers for laundromats, but does not include clothes washers used by other types of non-residential customers (e.g., hotels, fitness centers, etc.).
- c. Some new technologies that save hot water have been piloted in California but not yet widely deployed. Low water (“water-less”) clothes washers, laminar flow faucets, and energy efficient high temperature door-type commercial dishwashers are examples of new, high potential measures that are being proposed now for inclusion in California’s gas efficiency programs.
- d. Some controls systems have been proven effective in saving hot water. For example, recirculation pump demand controls enabling operating the pump only when there is a need for hot water. In correctional institutions, controls have been shown to be very effective in reducing wastage of water, both hot and cold.
- e. And here’s one of my personal pet peeves: hot water wastage due to leaky or faulty shower diverters – combined tub-showers that spew hot water from the tub-filler spout while you are trying to take a shower.

The above is a partial list of additional types of measures that may have significant water, energy and GHG emissions benefits for California, but that could not be implemented under the draft list of eligible measures.

To assure that high benefit opportunities are not missed, we recommend that DWR provide a methodology for computing estimated water and energy savings and associated reductions of GHG emissions for any measures not yet on the existing (draft) list that save water and reduce on-site energy use (electric and/or natural gas).

Thank you for this opportunity to provide input to this very important grant program.

Sincerely,

Laurene Park
President
Syzergy, Inc.