



A Sempra Energy utility

## ON-DEMAND EFFICIENCY

NO-COST WATER HEATING UPGRADE!



Do you own or manage a multifamily building with a central water heating system?

The On-Demand Efficiency (ODE) program provides on-demand recirculation controls in multifamily buildings at no cost to qualifying Southern California Gas Company (SoCalGas®) customers.

### BENEFITS OF PARTICIPATION

The ODE program, administered by Benningfield Group, Inc. (BGI), and its vendors Advanced Conservation Technology Distribution, Inc. (ACT), provides the following benefits:

- Save on your gas bill — Studies have shown that installing an on-demand pump control on your water heating system can save you from 10-30 percent natural gas use.<sup>1</sup>
- Save on your electric bill — When you take a recirculation pump that is running 24 hours per day and 7 days per week and begin to control it, the pump will run approximately an hour per day, reducing electrical demand by 90 percent.<sup>2</sup>
- Save on maintenance — While true, a continuous pump wastes energy, secondary effects include pipe erosion and wear and tear on the balance of the water heating system. Pipe erosion leads to pin hole leaks in the plumbing pipes. Reducing pump operation time with an on-demand controller will result in reduced wearing effects on the piping system and water heating equipment.
- Extend the life of equipment — Continuous water circulation not only will eventually wear away your pipes, but also your other water-heating equipment such as the water heater itself or water treatment systems, valves and other mechanical equipment. Reducing recirculation reduces the wear and tear, increasing equipment life.
- Reduced operating cost — By installing an on-demand pump control, you will reduce your natural gas and electric bill, which will result in an increase of your net operating income.



### TURN-KEY, NO-COST INSTALLATION

The ODE program aims to be a user-friendly experience from the beginning to end. The program enrollment process begins with a few easy steps:

1. Application: Complete an application online at [www.odeprogram.com](http://www.odeprogram.com) or fax the application to (916) 404-0422. Note: this is a third party site.
2. Pre-Installation: After your application is approved, an ODE representative will reach out to set a feasibility pre-installation inspection date, as well as a tentative installation date.
3. Installation: Can take anywhere from one to three hours.
4. Post-Installation: The installed equipment comes with a five-year limited warranty on the equipment and a one-year limited warranty on workmanship. Please contact your ODE representative for further details regarding the warranty. SoCalGas® conducts post retrofit inspections on a selective basis to ensure the control installations meet program standards.

<sup>1, 2</sup> Gas Technology Institute, "On-Demand Controls for Central Hot Water Systems White Paper," 2014.

(Continues on back)



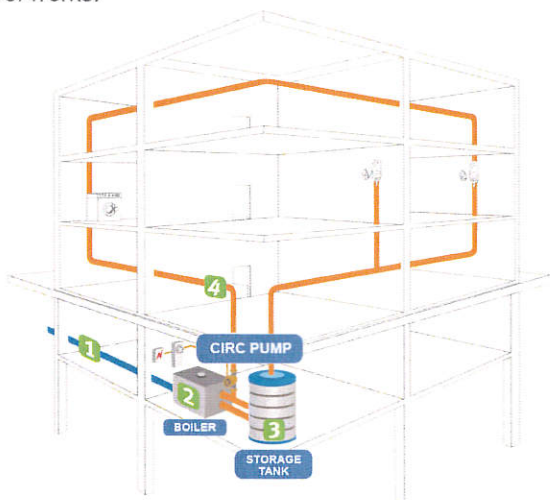
(Continued from front)

## HOW DOES AN ON-DEMAND PUMP CONTROL WORK?

The program installs on-demand recirculation controls that take a continuously operating pump and controls it based on hot water demand in the building.

The installation process requires a feasibility pre-installation inspection by the installation contractor. If the project qualifies, the installation contractor will install the on-demand controller(s). There are no water delivery interruptions to the occupants since the installing contractor does not have to make any alterations to the plumbing system. The installation is simple. The on-demand controller is installed on a wall close to the water heater, installing a surface-mounted pipe sensor from the on-demand controller and providing an electrical connection to the controller.

The diagram below shows how the on-demand pump control works:



- 1** City Cold Water Supply
- 2** Is heated to approximately 140°F
- 3** Hot water is kept in storage until there is a demand for it
- 4** On-demand pump control tracks hot water through a heat sensor on the return line, operating only when demand is combined with below-target temperature

## PROGRAM ELIGIBILITY REQUIREMENTS

To be eligible for this program, your building must meet the following criteria:

- The building must be a multifamily building. This can include condos and senior living facilities (but not assisted living).
- The building must have an active SoCalGas® account.
- The building should have a central water heating system and not individual water heaters in each apartment.
- The building must have at least six dwelling units.
- The water-heating system does not have a solar water-heating component.

## GET STARTED NOW!

Contact  
(888) 861-5888  
or visit  
[www.odeprogram.com](http://www.odeprogram.com)



The On-Demand Efficiency (ODE) program is funded by California utility customers and administered by Southern California Gas Company (SoCalGas®) under the auspices of the California Public Utilities Commission, through a contract awarded to Benningfield Group, Inc. California customers who choose to participate in this program are not obligated to purchase any additional services offered by the contractor. This program is provided on a first-come, first-served basis until program funds are no longer available.

Benningfield Group, Inc. (CSLB# 978866) is an authorized contractor of SoCalGas®. Services will be completed by a representative of Advanced Conservation Technology Distribution, Inc. (CSLB# 1006521). SoCalGas® makes no representations as to the safety, reliability, and/or efficiency of goods and services provided under this program. SoCalGas® makes no warranty, whether expressed or implied, including warranty of merchantability or fitness for particular purpose, use or application of selected goods and services. Participating vendors in the ODE program are not screened or endorsed by SoCalGas®.

© 2016 Southern California Gas Company®. Trademarks are property of their respective owners. All rights reserved. Some materials used under license, with all rights reserved by licensor.