

Hydronic/Solar Training Program

A series involving radiant heating itself, mechanical components/piping, controls/zoning and heat source sizing and installation. We offer a range of classes throughout California and Nevada to help you become a proficient hydronic contractor.

Radiant Basics

by Morgan Muir (\$65 Lunch and Manuals Included)

Do's, don'ts and design principle of radiant floor heating Including heat source selection, piping and switching controls. A practical overview for any installing contractor or designer.

<input type="checkbox"/>	Tuesday, Jun 01	8:30 am to 4:30 pm	JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601
<input type="checkbox"/>	Tuesday, Sep 14	8:30 am to 4:30 pm	JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601

Hydronics - Mechanical Basics

by John Grose (\$25)

Sizing and selecting circulators, variable speed, air elimination, expansion tanks, component configuration, primary/secondary, hydraulic separation, pipe sizing, mechanical modules. The nuts and bolts of the mechanical room and beyond.

<input type="checkbox"/>	Thursday, Apr 15	8:30 am to 12:00 pm	JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601
<input type="checkbox"/>	Thursday, May 27	8:30 am to 12:00 pm	JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601

Advanced Mechanical

by John Grose (\$35 Lunch and Manuals Included)

Pump sizing, controls, and system configuration

<input type="checkbox"/>	Thursday, Apr 29	8:30 am to 1:00 pm	JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601
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Condensing Boilers, Condensing Installation, Servicing Water Heaters

by John Grose (\$35 Lunch and Manuals Included)

Installation and servicing basics for Munchkin, Munchkin Contender, Elite, Evolution, Mod Con, Phoenix, Onex and Phoenix Solar condensing boilers and water heaters. Installation dos and don'ts, including piping, pumping, venting, condensate removal, electrical and combustion analysis.

<input type="checkbox"/>	Wednesday, May 12	8:30 am to 4:00 pm	JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601
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Control Basics

by Michael Ericksen (\$25)

Learn the purpose of / how to install zone switching controls for pumps and zone actuators, outdoor reset basics, mixing strategies, variable speed circulators and more.

Tuesday, May 25 8:30 am to 12:30 pm JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601

Solar Thermal,

by Morgan Muir and Guest speaker \$50

Design and installation of a full range of solar thermal systems, including solar hot water heaters, Boiler backup, and dual tank systems. Sizing and selecting SRCC certified solar systems that feature Total System Efficiency. Collectors, tanks, circulators, and controls.

Thursday, Mar 04 8:30 am to 03:30 pm JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601
 Thursday, Apr 01 8:30 am to 03:30 pm JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601
 Wednesday, May 26 8:30 am to 03:30 pm JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601
 Tuesday, Jun 08 8:30 am to 03:30 pm JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601

Tekmar Simple House Controls

by Michael Ericksen

Communicating thermostat, basic zoning, better boiler control, synchronization boiler feedback

Wednesday, Apr 24 8:30am to 12:30pm JTG Muir, 4723 Tidewater Ave. • Oakland, CA 94601

YES! *I want to attend*
 (Choose your registration method below)

Use the check boxes nex to each class to indicate the one(s) you would like to attend and then fax back the pages with information filled out below

° Fax in your registration to 510-434-3140 ° Call in your registration! (800) 493-8432

* Complete location information and class details will be sent upon registration

Name _____ Company _____

Address _____ City _____ State _____ Zip _____

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Credit Card # _____ Exp. Date _____

PO # _____