



meline engineering

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Meline Engineering is a licensed engineering and consulting firm that specializes in:

Energy efficient mechanical system design

Geoexchange system design and construction support

Plumbing systems design

Design reviews

Feasibility studies

Documentation for LEED certification

For more information on Meline Engineering visit:

www.meline.com



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Meline Engineering Corporation Newsletter

In the News...

Meline Engineering staff recently attended a conference to go over the new California Green Building Standards (CalGreen) effective January 2, 2011.

This new Code is applicable to new construction only. At this time, not all sections of CalGreen have been accepted by all Departments of the State of California. The DSA has not accepted all sections and most of the new code is not applicable to OSHPD. The California Dept. of Housing and Community Development (HCD) have embraced most of the code and are currently creating self-certification forms, checklists, etc., to help with the adoption and enforcement of CalGreen.

Residential and Non-Residential Categories are as follows:

- Planning and Design, Energy Efficiency, Water Efficiency and Conservation*, Material Conservation and Resource Efficiency, Environmental Quality

*includes outdoor water use budgets and separate meters for inside vs. outside consumption.

One of the biggest impacts are the sections on storm water drainage and retention. Projects less than one acre are outside the scope of the CA State Water Resources Control Board. The Storm Water Protection Prevention (SWPP) plan is something that is surfacing on all projects and especially impacts geothermal work. CalGreen will require that a plan be written but it does not need to be registered with the SWRCB for projects less than 1 acre.

Each jurisdiction is assumed to be adopting the Mandatory Measures of CalGreen unless they contact the California Buildings Standards Commission to note otherwise prior to the January 2, 2011 adoption date. In addition to the mandatory measures, each jurisdiction may adopt the voluntary measures specified as Tier 1 and Tier 2. These sections are similar to the point system used by LEED and Build It Green to require higher levels of energy efficiency and conservation. It will be very important to understand the green building program of each town, city and county from which building permits will be solicited.

If you would like information on how the new code may effect your project, call the Meline Engineering office at (916) 366-3458.

About the Picture Above

The National Park Service (NPS) Intern Center in the Santa Monica Mountains NRA will be the first newly-constructed facility in the National Park System to meet the NPS “net zero” standard, which is required for all new government buildings beginning in 2020. To eliminate the project’s carbon footprint, avoid impacts to climate change, and achieve a high level of energy efficiency, numerous sustainability features were integrated into the \$2.25M design/build project. The intern housing building will achieve the “net zero” standard 10 years ahead of schedule.

Meline Engineering was hired by the design/build team to be the engineer of record for the mechanical systems design of the 3,373 sq foot center. The geothermal heat pump system is one of the renewable technologies utilized to help the NPS achieve a ‘net zero’ standard for the Intern Center.