

## DOCKETED

<b>Docket Number:</b>	15-MISC-02
<b>Project Title:</b>	2013 Building Energy Efficiency Standards
<b>TN #:</b>	204127
<b>Document Title:</b>	Stephen M Best Comments: 2013 Building Energy Efficiency Standards
<b>Description:</b>	N/A
<b>Filer:</b>	System
<b>Organization:</b>	Stephen M Best
<b>Submitter Role:</b>	Other Interested Person
<b>Submission Date:</b>	4/10/2015 2:37:44 PM
<b>Docketed Date:</b>	4/10/2015

*Comment Received From: Stephen M Best*

*Submitted On: 4/10/2015*

*Docket Number: 15-MISC-02*

## **2013 Building Energy Efficiency Standards**

*Additional submitted attachment is included below.*



732 Woodland Drive  
Los Osos, CA 93402  
Phone : (805) 431-7675  
FAX: (805) 782-0951

www.earthboundenergy.com  
Email: steve@earthboundenergy.com



---

## TITLE 24 HEARING COMMENTS

---

CONTRACTOR/ OWNER		TO:	FROM:
California Energy Commission			Stephen M. Best CGD, CBCP
ADDRESS:		JOB NAME:	
1516 Ninth Street		Request for Public Input	
CITY, STATE:		JOB ADDRESS:	
Sacramento, CA		Implementation of 2013 Building Energy	
PHONE NUMBER:		JOB CITY, STATE:	
		Efficiency Standards	
FAX NUMBER:		WORK TYPE:	
		Geothermal	
DOCKET NUMBER:	PROJECT NUMBER:	DATE:	
15-MISC-02		04/10/2015	

---

To the California Energy Commission & Staff,

My name is Stephen Best and I am a proponent of Energy Efficient Systems that will move California and the United States away from fossil fuel consumption. As a former Member of the California Energy Commission's Collaborative on Ground Source Heat Pumps in the 1990's I have been active in the development of the technology in California and Proud of the work I've done fostering the infrastructure of installers and distributors but most of all very Proud of the work I've done for Home Owners, Businesses, Schools, Government Offices and National Parks with Geothermal HVAC System. The Standards that are proposed, as many of my colleagues and I see them, are a major setback to the progress that has been made to move us to be less dependent and less consuming of fossil fuels. The CEC should be supporting alternative methods of heating and cooling but instead it appears that the CEC is taking the position of the major utilities that have a straggle hold on the public interest; Nature Gas Producers are working hand in hand with the utility to maintain the Status Quo of Fossil Fuel consumption.

I believe Ground Source Heat Pump System provide viable alternative as they use the earth for both Heating and Cooling for typical Forced Air Heating and Cooling, Radiant Floor Heating and Cooling, Domestic Hot Water and Pool & Spa Heating within the Residential Market but within the Commercial Market the Possibilities are unlimited. The Earth is a thermal storage battery for heating and cooling and is really the only technology that recycles the energy it uses and when it comes to pool and spas or combining solar thermal or solar electric there is nothing that compares to Geothermal HVAC. The Problem as I have seen it is that the utility penalizes the owner for not using Nature Gas or Propane by over charging the owner through the low Baseline threshold; the Owner is using as an end user no Fossil Fuel to heat but they use more Electricity to run the Heat Pump and apparently that is unforgivable. The arguments have been skewed in favor of the big oil and gas producers, and the utility companies who are not operating in the interest of the consumer, the state, or the environment; they are interested in their bottom line, their profit margin and everybody and everything be damned including the environment. I'm retired now doing geothermal consulting work but after being in construction for 45years and the last 22 installing geothermal heating and cooling all over the great state from the Santa Barbara Court House

to the Nation Park in Yosemite I will say that I am Proud I change my career to this work because as I said 20+ years ago “this is good for the environment and California needs this technology”.

A handwritten signature in cursive script, reading "Stephen M. Best", followed by a long horizontal flourish line.

Stephen M. Best CGD, CBCP