

Energy - Docket Optical System

From: Loyer, Joe@Energy
Sent: Monday, April 29, 2013 12:13 PM
To: Energy - Docket Optical System
Subject: for Docket 13-IPR-1P

Categories: Ready to Docket

California Energy Commission

DOCKETED
13-IEP-1P

TN 70517

APR 29 2013

Please add this email to Docket 13-IPR-1P and forward to the Web Team.

Thanks, Joe.

From: john@terrastructural.com [<mailto:john@terrastructural.com>]
Sent: Monday, April 29, 2013 12:04 PM
To: Loyer, Joe@Energy
Subject: Progress in Geothermal

Joe,

By correlating the work we do now with work used in installing Geothermal units we have gotten approval for the use of geothermal as in orange county on a limited basis. Daikin a global leader in AC units but a relative newcomer to the geothermal market has just opened a large training facility in Orange County and unlike most Geothermal Companies are willing to train new people in geothermal. On the other hand a new problem has come up.

Most of the software used to design Geothermal systems don't have any references about our local soil types. As a result the Close loop sizes range from 250ft all the way up to 960ft. Another problem is the lack of Geothermal Designers from this area, but out on the the horizon is the next generation heat exchange pump. With two moving parts it's the stealth fighter of the AC world.

Thanks
John Kreber