

**Energy - Docket Optical System**

---

**From:** Dinah Shumway <terramins@gmail.com>  
**Sent:** Sunday, February 22, 2015 11:42 AM  
**To:** Energy - Docket Optical System  
**Subject:** DRECP Comment: Alternatives rejected (Part II.8)

TN # 75291

FEB 23 2015

**Rejected Alternative: Energy generation on Industrial and residential rooftops, as well as in industrial disturbed Private lands.**

The DRECP alternatives do not consider the impact of rooftop, industrial site, and other local solar generation which has the incredible advantages of zero loss from transmission, negates the need for additional transmission corridors, eliminates the need for any taking of Public lands for utility scale generation. Moreover rooftop and industrial site generation on already developed lands drastically reduces the need for large quantities of water that is required in desert utility scale renewable sites for dust control (e.g. at the solar One Chuckwalla site: 1.6 AF of water PER DAY for dust control- that is about 3 X what a normal desert family uses in a YEAR!).

The 20,000 MW target for renewable generation has already been met in some local areas via conservation, rooftop generation and conventional installation on disturbed lands. Comments from lead agency (e.g. Kern County) and professionals (e.g. Mr. Paul Douglas) indicate that the 20,000 MW target has been met in some areas, and further, that the 20,000 target does not consider the successful conservation efforts that have been undertaken by the California taxpayers who are essentially underwriting (along with the citizens of the US) the subsidies for these renewable operators on public lands.

--

Dinah Shumway  
Principal Geologist  
TerraMins Inc.  
12277 Apple Valley Road, #184  
Apple Valley, CA 92308  
[www.terramins.com](http://www.terramins.com)