

## ADDENDUM NO.1

**To:** Tracey Anthony, County of San Bernardino, Solid Waste Management Division

**Date:** May 19, 2009

**Re:** Addendum No. 1 to Renewable Energy Potential Assessment, Final Report – March 6, 2008

---

Please find below, required modifications as Addendum No. 1 to the report entitled “Renewable Energy Potential Assessment, Final Report – March 6, 2008”.

1. Change the following wording to the Executive Summary, Page 2, Bullet 1, Paragraph 3:

*HDR/BVA recommends that SWMD pursue feasibility studies for commercial solar thermal installations on at least six sites: Kramer Junction, Barstow, Victorville, Parker Dam, Mid-Valley and Milliken. These sites appear to offer the best combination of solar radiation, transmission access, and land availability, though there are several more sites (most notably Victorville and Trona-Argus) where utility-scale solar thermal may also be feasible. The SWMD should also further evaluate self-generation options for sites that have both high solar resources and have an on-site electric demand, but lack area for utility scale production or transmission access. Solar PV projects should be considered at these sites especially at transfer stations or materials recovery facilities such as the Aqua Mansa MRF, Heaps Peak Transfer Station, and West Valley MRF.*

2. Change the following wording to Section 1.1 Solar, Page 6, Paragraph 3:

*All San Bernardino SWMD sites rank from Very Good (5.0 – 5.9 kWh/m<sup>2</sup>/day) to Excellent (6.0+ kWh/m<sup>2</sup>/day) on the solar suitability scale released by NREL. Many of the SWMD properties most suitable for solar development are also located adjacent to or very near existing power transmission infrastructure, making them ideal for commercial grid connection. Table 1.1 ranks the top SWMD sites for solar development based on average annual solar radiation received, and the existence of high voltage transmission lines near-by. A map of these sites overlaid on transmission lines and overall solar potential in the County is provided in Attachment 1.1. In addition to these sites, SWMD should further evaluate opportunities for solar development on the 3,200 acres of County land at Black Mountain. This property is currently too far removed from transmission lines to currently make solar development feasible, but this situation may change if San Bernardino County is targeted by the Renewable Energy Transmission Initiative (see Section 3.1 for further details).*

3. Change Table 1.1, Page 7, as follows:

Table 1.1: Top SWMD Sites for Solar Development

Site Name	Site Type	Average Annual Insolation (Wh/m <sup>2</sup> /day)	NREL Solar Ranking (1 to 5)	Distance and Capacity of Transmission Lines (miles / kV)	Slope Aspect	Area (acres)
Kramer Junction	Inactive LF	6720.3	5 (Excellent)	on property / 138 kV	flat	120
Barstow	Active LF	6661.9	5 (Excellent)	0.1 mi / 115 kV	N, S, flat	645
Victorville	Active LF	6623.6	5 (Excellent)	on property / 500 kV	NW, S, SE, flat	494
Daggett	Inactive LF	6622.6	5 (Excellent)	0.5 mi / 115 kV	E, W, flat	80
Yermo	Inactive LF	6617.0	5 (Excellent)	0.1 mi / 115 kV	E, flat	75
Adelanto	Inactive LF	6614.6	5 (Excellent)	on property / 138 kV	S, flat	60
Trona-Argus	Closed LF	6563.8	5 (Excellent)	0.5 mi / 115 kV	N, NW, flat	115
Parker Dam	Inactive LF	6551.3	5 (Excellent)	on property / 230 kV	N, S, flat	510
Hesperia	Closed LF	6485.2	5 (Excellent)	0.1 mi / 138 kV	NW, SE, flat	80
Ceder Springs	Inactive LF	6485.2	5 (Excellent)	on property / 138 kV	NW, SE, flat	60
Big Bear	Transfer	6459.6	5 (Excellent)	on property / 115 kV	NW, S	31
Milliken	Inactive LF	5887.9	4 (Very Good)	0.4 mi / 230 kV	N, S, E, W, flat	286
Mid-Valley	Active LF	5961.0	4 (Very Good)	0.8 mi / 500 kV	N, S, E, W, flat	491

4. Replace the map on Page 32, entitled "Attachment 1.1" with the following map:

