

**Biogas Generation Information Provided by SCAP POTW Members  
June 2010**

**The City of Corona—Department of Power & Water**

1. Water Reclamation Facility No. 1 currently has a maximum rated capacity of 11.5 MGD
2. The 12-month average (June 2009 - May 2010) influent flow was 9.852 MGD, the average monthly influent flow for May was 10.59 MGD
3. The monthly average digester gas production (Feb 2009 – May 2010) was 60,262 SCF/Day and for May the average was 54,361 SCF/Day

**The Inland Empire Utilities Agency**

Sludge Treatment Facility		RP-1*		RP-2*	
		RP-1	RP-4	RP-5	CCW RF
Regional Water Recycling Facility					
Plant Influent Design Capacity	(MGD)	44	14	15	11.4
Combined Influent Design Capacity	(MGD)	58		26.4	
Daily Average Influent Flow (5/1/09 - 4/30/10)	(MGD)	30.5	10.3	7.5	8.4
Combined Daily Average Influent Flow (5/1/09 - 4/30/10)	(MGD)	40.8		15.9	
Daily Average Gas Production (5/1/09 - 4/30/10)	(SCF/Day)	645,142		268,297	

\* The primary sludge and waste activated sludge from RP-4 are directed to the regional sewer where they combine with the tributary flow to RP-1.

The primary sludge and waste activated sludge from RP-5 and CCWRF are directed to RP-2 for thickening and digestion.

**The City of San Bernardino Municipal Water Department**

**City of San Bernardino Municipal Water Dept. Information for So Cal Gas Biomethane Program**

**Actual Influent Flow (MGD)\***

Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Average
24.36	24.96	24.8	24.49	23.01	22.79	21.44	21.43	21.18	22.96	22.22	22.71	23.02917

\* Average of daily

readings

**Digester Gas Produced  
(SCF/Min)**

Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Average
306	317	332	303	316	305	275	284	281	275	298	319	300.300.
												9167

**Plant influent design  
capacity is 33 MGD**

**The Las Virgenes Municipal Water District**

1 – plant influent wastewater design capacity (MGD),  
Tapia WRF is designed for 16.1 MGD ADWF

2 – current actual influent flow  
Tapia’s ADWF is currently 8.3 MGD

3 – current digester gas production (SCF/Day) (SCF/Minute)  
Current production of gas is approximately 140,000 SCF/Day

**The City of San Diego Point Loma Wastewater Treatment Plant**

- Plant influent capacity (Design Flow)..... 240 MGD  
Peak Design Capacity..... 432 MGD
- Current actual dry weather influent daily flow .....153.37 MGD
- Daily Average of dig gas production for 2009 and 2010

	DIG GAS PROD (DAILY AVG.)		DIG GAS PROD (DAILY AVG.)
JAN 1,2009-DEC 31, 2009	1KCFD	JAN 1,2010-JUNE 28, 2010	1KCFD
Average	3,139.55	Average	3,175.75
Minimum	2,138.21	Minimum	2,318.79
Maximum	3,774.33	Maximum	3,504.98

### The Orange County Sanitation District

1. Per AQMD permits designed wet weather capacity influent flow rates for our plants are: 217 mgd (Plant 1 – Fountain Valley) and 250 mgd (Plant 2 – Huntington Beach). Current average flows (May 2010) are 102 mgd (plant 1) and 109 mgd (plant 2)
2. May di-gas productions are: 48.3 Mscf/mo and daily average 1.56 Mscf (plant 1) and 81.9 Mscf/mo and 2.64 Mscf daily average (Plant 2). Last year our average daily production was 1.97 Mscf (Plant 1) and 2.27 Mscf (Plant 2)

### The City of Los Angeles- Bureau of Sanitation

Hyperion Treatment Plant is designed for a average dry-weather flow of 450 MGD and a peak wet-weather flow of 850 MGD. The average influent flow from June 2009 to present is 298 MGD. The average digester gas production for that same period is  $6.67 \times 10^6$  SCF/day.

Terminal Island Water Reclamation Plant has capacity for 30 MGD average dry-weather flow (for tertiary treatment). The average influent flow from June 2009 to present is 16.4 MGD. The average digester gas production for that same period is 175,000 SCF/day.

### The Sanitation Districts of Los Angeles County

Facility	Design MGD	Actual MGD	Gas MMCF/Day
JOS*	577.5	447	9.48
Districts 26 & 32**	28	21.3	0.33
Palmdale	15	9.4	0.12
Lancaster	16	13.6	0.18

\* Includes JWPCP, Long Beach, Los Coyotes  
Whittier Narrows, San Jose Creek and Pomona

\*\* Includes Saugus and  
Valencia

## Eastern Municipal Water District

### Plant Ratings

San Jacinto Valley WRF = 11 mgd

Moreno Valley WRF = 16 mgd

Perris Valley WRF = 11 mgd (however, it has been modified to 17.2 mgd & eventually 24.2 mgd in 2011)

Temecula Valley WRF = 18 mgd

Secondary rating will still be the same @ 16 mgd; Tertiary rating will be 20.8 mgd sometime in 2011.

<u>RWRF</u>	<u>Inf. Avg. Mo.(mgd)</u>	<u>Daily Dig. Gas Production (cu-ft/day)</u>
SJV	7.52	103,000
MV	10.93	169,194
PV	12.99	NA
TV	14.00	182,550

Daily Influent Average Flow is from May 2010.

Daily Digester Gas Production Average is from the last week in May.