

## APPENDIX G: AIR QUALITY DATA SHEETS

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### LAND AREA DEVELOPMENT EMISSION CALCULATION METHODOLOGY

The types of land area development forecast for the project include residential development, accelerated timber harvest, and mineral extraction. The following presents the detailed emission calculation methodology for each of these development types.

#### *Residential Development*

The emission sources from residential development are comprised of direct and indirect emission sources.

#### DIRECT EMISSIONS

Emissions from miscellaneous residential combustion sources were calculated using emission factors from AP-42 Volume 1, Sections 1.5, 1.9 and 1.10 (USEPA, 2000). The number of residential units for each land area was multiplied by the factors for natural gas/propane emissions and wood combustion emissions. The emissions are calculated using the following equation:

$$E_{ip} = \sum_i(E_{ip}) \quad \text{and} \quad \sum_f E_{ip} = C \times EF_{fp} \times R_i$$

Where:  $E_{ip}$  = Total emissions in lbs/year, for pollutant p.

$\sum_i$  = Summation of emissions through residential areas i.

$E_{ip}$  = Emissions in lbs/year, for pollutant p and development area i.

and,

$\sum_f$  = Summation of emissions from fuel types f.

C = Fuel consumption C, for fuel f.

$EF_{fp}$  = Emission factor for fuel f and pollutant p.

$R_i$  = Number of residences for development area i.

The emission factors from AP-42 for propane combustion were used rather than those for natural gas combustion because most of the potential residential developments are remote and may not have natural gas service. Wood combustion emission factors have been estimated assuming a 50/50 split between wood stove and fireplace use. The wood stove emission factors used for PM<sub>10</sub> and CO were conservatively assumed to be average of the emission factors for Pre-Phase I, Phase I, and Phase II EPA-certified wood stoves. The emission factors used in this analysis are provided in Table G-1.

Fuel usage factors were developed based on the South Coast Air Quality Management District (SCAQMD) CEQA guideline's annual residential fuel usage factor (SCAQMD, 1993) assuming that the fuel use is 90% propane combustion and 10% wood combustion for the residential units.

The SCAQMD fuel use factor is approximately 80 million Btu per year per residential unit (single family home). The residential combustion emission calculation results are presented in Table G-1.

**INDIRECT EMISSIONS**

The California Air Resources Board (CARB) mobile source emission model (EMFAC2000) was used to generate year 2005 emission factors for each vehicle class in grams per unit (i.e., hour, mile, or trip) for each criteria pollutant (CARB, 2000). The model was used to generate emission factors for the following types of emissions: running exhaust emissions, variable start emissions, and evaporative emissions, which consist of diurnal, hot soak, running, and resting losses. The average emission factors were determined using the average of the summer and winter emission factors. AP-42 Volume 1 Section 13.2 emission factors for entrained road dust were used to estimate fugitive dust emissions from paved roads. The emissions produced by GAV activity on on-airport roadways were calculated using the following equation:

$$E_t = \sum_r (E_r)$$

Where:

$E_t$  = total on-airport roadway pollutant emissions (grams/year)

$E_r$  = total link r pollutant emissions (grams/year)

$\sum_r$  = summation through roadway links r

and

$E_r =$

$$\sum_v [T_r] \times [F_{vr}] \times \{ [L_r] \times ([EF_{rsv}] + [EF_{ersv}] + [EF_{tw}] + [EF_{bw}] + [EF_{rd}]) + [EF_{iv}] \times [T_{ivr}] + [EF_{svst}] \times [F_{vsr}] + [EF_{hsv}] \times [F_{vsr}] + [EF_{dv}] \times [ST_{vr}] \times F_{vsr} + [EF_{rstv}] \times [ST_{vr}] \times [F_{vsr}] \}$$

Where:

$\sum_v$  = summation through vehicle types v

$T_r$  = annual vehicle trips for the roadway link r (trips/year)

$F_{vr}$  = vehicle type v fraction for the roadway link r

$L_r$  = length of roadway link r traveled per vehicle trip (miles/trip)

$EF_{rsv}$  = running emission factor at the road link speed  $r_s$  for the vehicle type v (grams/mile)

$EF_{ersv}$  = evaporative running emission factor at the road link speed  $r_s$  for the vehicle type v (grams/mile), for VOC emissions only

$EF_{tw}$  = tire wear  $tw$  emission factor (grams/mile), for PM10 emissions only

$EF_{bw}$  = brake wear  $bw$  emission factor (grams/mile), for PM10 emissions only

$EF_{rd}$  = road dust  $rd$  emission factor (grams/mile), for PM10 emissions only

$EF_{iv}$  = idle  $i$  emission factor for the vehicle type v (grams/minute)

$T_{ivr}$  = idle  $i$  time for the vehicle type v at the roadway link r (minutes)

$EF_{svst}$  = variable start  $s$  emissions for each vehicle type v for the designated soak time  $st$  (grams/start), for VOC, CO, and NO<sub>x</sub> emissions only

$F_{vsr}$  = fraction of vehicle type v that has variable starts  $s$  at the roadway link r

$EF_{hsv}$  = hot soak  $hs$  emission factor (grams/trip) for vehicle type v, VOC emissions only

$EF_{dv}$  = diurnal emission rates (grams/hour) for vehicle type v, VOC emissions only

$ST_{vr}$  = soak time (hr) for vehicle type v on roadway link r

$EF_{rstv}$  = resting losses (grams/hour) for vehicle type v, VOC emissions only

Assumptions for vehicle trips, trip distances, idle times, time between engine starts (soak time), and average travel speeds are presented in Table G-2. Vehicle trips were estimated using the Institute

of Transportation Engineers Trip Generation Manual (ITE, 1997) estimate for weekday trip ends for single-family detached housing.

The vehicle fleet mix for roadway traffic is based on a 65/35 Light Duty Auto (LDA) to Light Duty Truck (LDT) split and uses the EMFAC2000 derived non-catalytic gasoline, catalytic gasoline, and diesel vehicle fractions for LDA and LDT vehicles. Light duty autos and light duty trucks with catalysis make up the majority of the assumed vehicle fleet mix.

The road dust PM<sub>10</sub> emission factor calculation for paved roads is performed with the following equation from AP-42 Section 13.2:

$$E = k (sL/2)^{0.65} (W/3)^{1.5}$$

where:

- E = PM<sub>10</sub> emission factor (g/VMT)
- k = base emission factor for particle size range and units of interest (i.e. PM<sub>10</sub>)
- sL = road surface silt loading (grams per square meter) (g/m<sup>2</sup>)
- W = average weight (tons) of the vehicles traveling the road

The specific assumptions used for these emission calculations for residential unit passenger vehicles were partially derived from available data in AP-42 Section 13.2, and are:

- k = 7.3 g PM<sub>10</sub>/VMT
- sL = 0.4 g/m<sup>2</sup>
- W = 2 tons

The calculated indirect traffic emissions and the combined direct and indirect emissions for the identified residential development areas are provided in Table G-3.

### ***Timber Harvest***

Timber harvest on-road traffic emissions were calculated as shown above for residential development with the truck weights assumed to be 17.5 tons unloaded and 40 tons loaded. The on-road traffic assumptions for the timber harvest vehicles are presented in Table G-2

Additionally, unpaved road emissions were calculated for timber harvest. Uncontrolled unpaved road dust emission factors were calculated using information from AP-42 Section 13.2, using the following equation:

$$E = k (s/12)^a (W/3)^b / (M/0.2)^c [365 - p/365]$$

where k, a, b, and c are empirical constants provided in the AP-42 Section 13.2 and

- E = PM<sub>10</sub> emission factor (g/VMT)
- s = surface material silt content (%)
- W = mean vehicle weight (tons)
- M = surface material moisture content (%)
- p = number of days with precipitation over 0.01 inches

The specific assumptions used for the emission calculations for unpaved roads were partially derived from the data available in AP-42 Section 13.2, and are:

- s = 8%
- W = 17.5 tons unloaded, 40 tons loaded (emission factor used is the average)
- M = 8 %
- p = 90 days/year

An 80 percent control efficiency for aggressive road watering was applied to the calculated uncontrolled unpaved road dust emission factors to determine the controlled emission factors. This assumption is based on normal dust mitigation required for hauling activities on unpaved roads.

The heavy equipment and hand-held equipment emissions were developed based on assumptions necessary to operate a 50,000 board-foot per day (bf/day) logging camp. The emissions were calculated with the following equation:

$$E_{tp} = \sum_e(E_{ep}) \quad \text{and} \quad E_{ep} = C \times EF_{ep} \times N_e \times S_e \times H_e \times L_e$$

- Where:  $E_{tp}$  = Total emissions in lbs/year, for pollutant p.
- $\sum_i$  = Summation of emissions through equipment types e.
- $E_{ep}$  = Emissions in lbs/year, for pollutant p and equipment type e.

and,

- C = Conversion from grams to pounds.
- $EF_{ep}$  = Emission factor for equipment type e and pollutant p (g/bhp).
- $N_e$  = Number of equipment for equipment type e.
- $S_e$  = Size of engine (bhp) for equipment type e.
- $H_e$  = Schedule of daily operations for equipment type e (hours).
- $L_e$  = Load factor for equipment type e.

The detailed operating assumptions, emission factors and calculated emissions for a representative 50,000 bf/day logging camp are presented in Table G-4. The emission factors are from two separate EPA reports (EPA, 1998; EPA, 1999) for the diesel and gasoline engine vehicles, respectively. It is further assumed that the diesel equipment (used in 2005) will meet EPA Tier 1 heavy equipment emission standards.

The annual emissions for each land area with forecasted accelerated timber harvest were then calculated based on a ratio comparison with the throughput of a 50,000 bf/day logging camp. Table G-5 provides the daily average accelerated timber harvest throughput and the annual emissions for each area with forecasted accelerated timber harvest. For worst case daily emissions it is assumed that each area operates as a 50,000 bf/day logging camp until the total harvest is complete.

### ***Mineral Extraction***

The only mineral extraction forecast as likely to occur as part of the project is a diatomaceous earth mine on the Britton Lake land area. The on-road traffic emissions were calculated as shown above for residential development and timber harvest (unpaved road dust). The traffic assumptions are provided in Table G-2.

The heavy equipment exhaust and mining operation emissions were developed based on assumptions necessary to operate a 90,000 ton/year diatomaceous earth mine. The emission calculation methodology and emission factor sources for the heavy equipment are the same as that shown above for timber harvest.

Additionally, mining operations have additional sources of fugitive dust emissions. These sources include truck loading, ore bulldozing, overburden bulldozing, and grading. The emission factors for these operations were determined using the equations from AP-42 Section 11.9, which are as follows:

#### **Truck Loading**

$$E = 0.119 / M^{0.9}$$

where:

$$E = \text{PM}_{10} \text{ emissions (lbs/tons)}$$

$$M = \text{material moisture content (\%)}$$

#### **Ore Bulldozing**

$$E = 18.6 (s)^{1.5} / M^{1.4}$$

where:

$$E = \text{PM}_{10} \text{ emissions (lb/hr)}$$

$$s = \text{material silt content (\%)}$$

$$M = \text{material moisture content (\%)}$$

#### **Overburden Bulldozing**

$$E = 1.0 (s)^{1.5} / M^{1.4}$$

where:

$$E = \text{PM}_{10} \text{ emissions (lb/hr)}$$

$$s = \text{material silt content (\%)}$$

$$M = \text{material moisture content (\%)}$$

#### **Grading**

$$E = 0.051 (S)^{2.0}$$

where:

$$E = \text{PM}_{10} \text{ emissions (lb/VMT)}$$

$$S = \text{mean vehicle speed (mph)}$$

The detailed operating assumptions, emission factors, and calculated emissions for the forecast diatomaceous earth mine are provided in Table G-6.

### **SERASYM™ MODELING RESULTS**

The SERASYM™ power plant emission modeling results are provided in Tables G-7 through G-20. Tables G-7 through G-11 provide the total estimated statewide emissions for each of the five cases modeled (Base Case 2000, WaterMax Scenario 2005, PowerMax Scenario 2005, Settlement Case 2005, and No Project 2005). Tables G-12 through G-21 provide an emission comparison of these five cases. Tables G-22 through G-26 provide more detailed regional emissions estimates for the five cases.

### **REFERENCES**

- CARB, 2000. California Air Resources Board (CARB). EMFAC2000. <http://www.arb.ca.gov/msei/msei.htm>, 2000.
- EPA, 1998. United States Environmental Protection Agency (EPA). Exhaust Emission Factors for Nonroad Engine Modeling – Compression-Ignition, Report No. NR-009a. <http://www.epa.gov/otaq/models/nonrdmdl/nr-009a.pdf>, Revised June 15, 1998.
- EPA, 1999. Exhaust Emission Factors for Nonroad Engine Modeling – Spark Ignition, Report No. NR-010b. <http://www.epa.gov/otaq/models/nonrdmdl/nr-010b.pdf>, Revised March 30, 1999.
- EPA, 2000. Compilation of Air Pollutant Emission Factors – AP-42 Fifth Edition, Volume I: Stationary Point and Area Sources. <http://www.epa.gov/ttn/chief/ap42.html#chapter>, August, 2000.
- ITE, 1997. Institute of Transportation Engineers (ITE) Trip Lineation Manual, 6th Edition, Volume 1. 1997.
- SCAQMD, 1993. South Coast Air Quality Management District (SCAQMD). CEQA Air Quality Handbook. November, 1993 Update.

Table G-1 Residential Combustion Emission Calculations

Emission Factors (wood - 50% fireplace, 50% wood stove)					Emission Factors - LPG				
ROG	CO	NOx	PM10	SO2	ROG	CO	NOx	PM10	SO2
lbs/ton	lbs/ton	lbs/ton	lbs/ton	lbs/ton	lbs/Mgal	lbs/Mgal	lbs/Mgal	lbs/Mgal	lbs/Mgal
122.3	178.5	2.3	27.5	0.4	0.5	1.9	14	1.06667	0.03

Land Area	Bundle	County	Fuel Use			Wood Combustion Emissions					Propane Combustion Emissions				
			Residential Units	Wood T/yr/unit	Propane Mgal/yr/unit	ROG t/yr	CO t/yr	NOx t/yr	PM10 t/yr	SO2 t/yr	ROG t/yr	CO t/yr	NOx t/yr	PM10 t/yr	SO2 t/yr
<b>DeSabra Regional Bundle</b>															
Mountain Meadows Reservoir	Bundle 5: Hamilton Branch	Lassen	19	0.52	0.72	0.61	0.89	0.01	0.14	0.00	0.00	0.01	0.10	0.01	0.00
Hamilton Branch Powerhouse	Bundle 5: Hamilton Branch	Plumas	16	0.52	0.72	0.51	0.75	0.01	0.12	0.00	0.00	0.01	0.08	0.01	0.00
North Lake Almanor	Bundle 6: Feather River	Plumas	87	0.52	0.72	2.79	4.08	0.05	0.63	0.01	0.02	0.06	0.44	0.03	0.00
Southeast Lake Almanor	Bundle 6: Feather River	Plumas	615	0.52	0.72	19.74	28.81	0.37	4.44	0.06	0.11	0.42	3.10	0.24	0.01
West Lake Almanor/Prattville	Bundle 6: Feather River	Plumas	276	0.52	0.72	8.86	12.93	0.17	1.99	0.03	0.05	0.19	1.39	0.11	0.00
Butt Valley Reservoir	Bundle 6: Feather River	Plumas	92	0.52	0.72	2.95	4.31	0.06	0.66	0.01	0.02	0.06	0.46	0.04	0.00
Caribou to Belden PH	Bundle 6: Feather River	Plumas	16	0.52	0.72	0.51	0.75	0.01	0.12	0.00	0.00	0.01	0.08	0.01	0.00
Humbug Valley	Bundle 6: Feather River	Plumas	240	0.52	0.72	7.70	11.24	0.14	1.73	0.03	0.04	0.16	1.21	0.09	0.00
Rock Creek-Cresta	Bundle 6: Feather River	Plumas & Butte	19	0.52	0.72	0.61	0.89	0.01	0.14	0.00	0.00	0.01	0.10	0.01	0.00
Poe	Bundle 6: Feather River	Butte	31	0.52	0.72	0.99	1.45	0.02	0.22	0.00	0.01	0.02	0.16	0.01	0.00
Bucks Creek/Bucks Lake	Bundle 7: Bucks Creek	Plumas	244	0.52	0.72	7.83	11.43	0.15	1.76	0.03	0.04	0.17	1.23	0.09	0.00
DeSabra-Centerville	Bundle 8: Butte Creek	Butte	66	0.52	0.72	2.12	3.09	0.04	0.48	0.01	0.01	0.05	0.33	0.03	0.00
Coal Canyon/Thermalito Diversion Pool	Bundle 8: Butte Creek	Butte	378	0.52	0.72	12.13	17.71	0.23	2.73	0.04	0.07	0.26	1.90	0.15	0.00
<b>Drum Regional Bundle</b>															
Narrows-Lake Englebright	Bundle 9: North Yuba River	Nevada & Yuba	3	0.52	0.72	0.10	0.14	0.00	0.02	0.00	0.00	0.00	0.02	0.00	0.00
Potter Valley-Van Arsdale Reservoir/Potter Valley PH	Bundle 10: Potter Valley	Mendocino	13	0.52	0.72	0.42	0.61	0.01	0.09	0.00	0.00	0.01	0.07	0.00	0.00
Lake Pillsbury	Bundle 10: Potter Valley	Lake	188	0.52	0.72	6.03	8.81	0.11	1.36	0.02	0.03	0.13	0.95	0.07	0.00
Kidd Lake/Cascade Lakes	Bundle 11: South Yuba River	Nevada & Placer	38	0.52	0.72	1.22	1.78	0.02	0.27	0.00	0.01	0.03	0.19	0.01	0.00
Meadow Lake/Fordyce Lake/Lake Sterling/White Rock Lake	Bundle 11: South Yuba River	Nevada & Placer	7	0.52	0.72	0.22	0.33	0.00	0.05	0.00	0.00	0.00	0.04	0.00	0.00
Rock Lake/Lindsey Lakes	Bundle 11: South Yuba River	Nevada	5	0.52	0.72	0.16	0.23	0.00	0.04	0.00	0.00	0.00	0.03	0.00	0.00
Lake Valley Reservoir	Bundle 11: South Yuba River	Nevada & Placer	329	0.52	0.72	10.56	15.41	0.20	2.37	0.03	0.06	0.22	1.66	0.13	0.00
Lake Spaulding/Drum Penstock Forebay	Bundle 11: South Yuba River	Nevada & Placer	2396	0.52	0.72	76.90	112.24	1.45	17.29	0.25	0.43	1.64	12.07	0.92	0.03
Dutch Flat-Bear River North of Rollins Reservoir	Bundle 11: South Yuba River	Nevada & Placer	517	0.52	0.72	16.59	24.22	0.31	3.73	0.05	0.09	0.35	2.61	0.20	0.01
Rollins Reservoir/Bear River	Bundle 11: South Yuba River	Placer	12	0.52	0.72	0.39	0.56	0.01	0.09	0.00	0.00	0.01	0.06	0.00	0.00
Halsey Forebay/Lake Arthur	Bundle 11: South Yuba River	Placer	357	0.52	0.72	11.46	16.72	0.22	2.58	0.04	0.06	0.24	1.80	0.14	0.00
Rock Creek Lake/Auburn	Bundle 11: South Yuba River	Placer	198	0.52	0.72	6.35	9.28	0.12	1.43	0.02	0.04	0.14	1.00	0.08	0.00
Folsom Lake	Bundle 11: South Yuba River	Placer	4	0.52	0.72	0.13	0.19	0.00	0.03	0.00	0.00	0.00	0.02	0.00	0.00
American River-Chili Bar/Slab Creek Reservoir	Bundle 12: Chili Bar	El Dorado	4	0.52	0.72	0.13	0.19	0.00	0.03	0.00	0.00	0.00	0.02	0.00	0.00

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Land Area	Bundle	County	Fuel Use			Wood Combustion Emissions					Propane Combustion Emissions				
			Residential Units	Wood T/yr/unit	Propane Mgal/yr/unit	ROG t/yr	CO t/yr	NOx t/yr	PM10 t/yr	SO2 t/yr	ROG t/yr	CO t/yr	NOx t/yr	PM10 t/yr	SO2 t/yr
<b>Kings Crane-Helms Regional Bundle</b>															
Bass Lake	Bundle 16: Crane Valley	Madera	104	0.52	0.72	3.34	4.87	0.06	0.75	0.01	0.02	0.07	0.52	0.04	0.00
Manzanita Lake	Bundle 16: Crane Valley	Madera	246	0.52	0.72	7.90	11.52	0.15	1.78	0.03	0.04	0.17	1.24	0.09	0.00
San Joaquin PH #2	Bundle 16: Crane Valley	Madera	24	0.52	0.72	0.77	1.12	0.01	0.17	0.00	0.00	0.02	0.12	0.01	0.00
A.G. Wishon PH	Bundle 16: Crane Valley	Madera	6	0.52	0.72	0.19	0.28	0.00	0.04	0.00	0.00	0.00	0.03	0.00	0.00
Kerckhoff Reservoir	Bundle 17: Kerckhoff	Madera & Fresno	91	0.52	0.72	2.92	4.26	0.05	0.66	0.01	0.02	0.06	0.46	0.03	0.00
Auberry Service Center	Bundle 17: Kerckhoff	Fresno	2	0.52	0.72	0.06	0.09	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00
Wishon Reservoir	Bundle 18: Kings River	Fresno	150	0.52	0.72	4.81	7.03	0.09	1.08	0.02	0.03	0.10	0.76	0.06	0.00
Keller Ranch	Bundle 18: Kings River	Fresno	3	0.52	0.72	0.10	0.14	0.00	0.02	0.00	0.00	0.00	0.02	0.00	0.00
Tule River	Bundle 19: Tule River	Tulare	45	0.52	0.72	1.44	2.11	0.03	0.32	0.00	0.01	0.03	0.23	0.02	0.00
Kern Canyon	Bundle 20: Kern Canyon	Kern	30	0.52	0.72	0.96	1.41	0.02	0.22	0.00	0.01	0.02	0.15	0.01	0.00
<b>Motherlode Regional Bundle</b>															
Mokelumne River-Tiger Creek Reservoir and Facilities	Bundle 13: Mokelumne River	Amador & Calaveras	11	0.52	0.72	0.35	0.52	0.01	0.08	0.00	0.00	0.01	0.06	0.00	0.00
Mokelumne River-Electra Tunnel/West Point PH	Bundle 13: Mokelumne River	Amador & Calaveras	5	0.52	0.72	0.16	0.23	0.00	0.04	0.00	0.00	0.00	0.03	0.00	0.00
Lake Tabeaud/Electra PH	Bundle 13: Mokelumne River	Amador & Calaveras	150	0.52	0.72	4.81	7.03	0.09	1.08	0.02	0.03	0.10	0.76	0.06	0.00
Bear River Reservoir/Lower Bear River Reservoir/Salt Springs	Bundle 13: Mokelumne River	Amador	38	0.52	0.72	1.22	1.78	0.02	0.27	0.00	0.01	0.03	0.19	0.01	0.00
Upper and Lower Blue Lakes/Meadow Lake/Twin Lake	Bundle 13: Mokelumne River	Alpine	67	0.52	0.72	2.15	3.14	0.04	0.48	0.01	0.01	0.05	0.34	0.03	0.00
Stanislaus River	Bundle 14: Stanislaus River	Tuolumne	37	0.52	0.72	1.19	1.73	0.02	0.27	0.00	0.01	0.03	0.19	0.01	0.00
Lyons Reservoir/Phoenix Reservoir	Bundle 14: Stanislaus River	Tuolumne	10	0.52	0.72	0.32	0.47	0.01	0.07	0.00	0.00	0.01	0.05	0.00	0.00
Merced Falls	Bundle 15: Merced River	Merced & Mariposa	1	0.52	0.72	0.03	0.05	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00
<b>Shasta Regional Bundle</b>															
Hat Creek	Bundle 1: Hat Creek	Shasta	594	0.52	0.72	19.06	27.83	0.36	4.29	0.06	0.11	0.41	2.99	0.23	0.01
Pit River 1	Bundle 2: Pit River	Shasta	714	0.52	0.72	22.92	33.45	0.43	5.15	0.07	0.13	0.49	3.60	0.27	0.01
McArthur Swamp	Bundle 2: Pit River	Shasta	17	0.52	0.72	0.55	0.80	0.01	0.12	0.00	0.00	0.01	0.09	0.01	0.00
Lake Britton	Bundle 2: Pit River	Shasta	264	0.52	0.72	8.47	12.37	0.16	1.91	0.03	0.05	0.18	1.33	0.10	0.00
Pit 3	Bundle 2: Pit River	Shasta	736	0.52	0.72	23.62	34.48	0.44	5.31	0.08	0.13	0.50	3.71	0.28	0.01
McCloud and Iron Canyon, Pit 4,5,6,7, and James B. Black PH	Bundle 2: Pit River	Shasta	95	0.52	0.72	3.05	4.45	0.06	0.69	0.01	0.02	0.06	0.48	0.04	0.00
Kilarc-Cow Creek	Bundle 3: Kilarc-Cow Creek	Shasta	20	0.52	0.72	0.64	0.94	0.01	0.14	0.00	0.00	0.01	0.10	0.01	0.00
Shingletown	Bundle 4: Battle Creek	Shasta	558	0.52	0.72	17.91	26.14	0.34	4.03	0.06	0.10	0.38	2.81	0.21	0.01
Inskip PH	Bundle 4: Battle Creek	Tehama	38	0.52	0.72	1.22	1.78	0.02	0.27	0.00	0.01	0.03	0.19	0.01	0.00



Table G-2 Road Link Assumptions

Land Area	Bundle	County	Units	Daily Round Trips	Annual Round Trips	Trip Length (mi)	Paved (mi)	Unpaved (mi)	Average Speed (mph)	Idle Time (min/trip)	Soak Time 1 (min/trip)	Soak Time 2 thru x (min/trip)
<b>DeSabra Regional Bundle</b>												
Mountain Meadows Reservoir	Bundle 5: Hamilton Branch	Lassen	19	91	33,184	20	20	0	30	5	1440	30
Hamilton Branch Powerhouse	Bundle 5: Hamilton Branch	Plumas	16	77	27,944	20	20	0	30	5	1440	30
North Lake Almanor	Bundle 6: Feather River	Plumas	87	416	151,948	20	20	0	30	5	1440	30
Southeast Lake Almanor	Bundle 6: Feather River	Plumas	615	2,943	1,074,113	20	20	0	30	5	1440	30
West Lake Almanor/Prattville	Bundle 6: Feather River	Plumas	276	1,321	482,041	20	20	0	30	5	1440	30
Butt Valley Reservoir	Bundle 6: Feather River	Plumas	92	440	160,680	20	20	0	30	5	1440	30
Caribou to Belden PH	Bundle 6: Feather River	Plumas	16	77	27,944	20	20	0	30	5	1440	30
Humbug Valley	Bundle 6: Feather River	Plumas	240	1,148	419,166	20	20	0	30	5	1440	30
Rock Creek-Cresta	Bundle 6: Feather River	Plumas & Butte	19	91	33,184	20	20	0	30	5	1440	30
Poe	Bundle 6: Feather River	Butte	31	148	54,142	20	20	0	30	5	1440	30
Bucks Creek/Bucks Lake	Bundle 7: Bucks Creek	Plumas	244	1,168	426,152	20	20	0	30	5	1440	30
DeSabra-Centerville	Bundle 8: Butte Creek	Butte	66	316	115,271	20	20	0	30	5	1440	30
Coal Canyon/Thermalito Diversion Pool	Bundle 8: Butte Creek	Butte	378	1,809	660,186	20	20	0	30	5	1440	30
<b>Drum Regional Bundle</b>												
Narrows-Lake Englebright	Bundle 9: North Yuba River	Nevada & Yuba	3	14	5,240	20	20	0	30	5	1440	30
Potter Valley-Van Arsdale Reservoir/Potter Valley PH	Bundle 10: Potter Valley	Mendocino	13	62	22,705	20	20	0	30	5	1440	30
Lake Pillsbury	Bundle 10: Potter Valley	Lake	188	900	328,347	20	20	0	30	5	1440	30
Kidd Lake/Cascade Lakes	Bundle 11: South Yuba River	Nevada & Placer	38	182	66,368	20	20	0	30	5	1440	30
Meadow Lake/Fordyce Lake/Lake Sterling/White Rock Lake	Bundle 11: South Yuba River	Nevada & Placer	7	33	12,226	20	20	0	30	5	1440	30
Rock Lake/Lindsey Lakes	Bundle 11: South Yuba River	Nevada	5	24	8,733	20	20	0	30	5	1440	30
Lake Valley Reservoir	Bundle 11: South Yuba River	Nevada & Placer	329	1,574	574,607	20	20	0	30	5	1440	30

Table G-2 Road Link Assumptions

Land Area	Bundle	County	Units	Daily Round Trips	Annual Round Trips	Trip Length (mi)	Paved (mi)	Unpaved (mi)	Average Speed (mph)	Idle Time (min/trip)	Soak Time 1 (min/trip)	Soak Time 2 thru x (min/trip)
Lake Spaulding/Drum Penstock Forebay	Bundle 11: South Yuba River	Nevada & Placer	2396	11,465	4,184,674	20	20	0	30	5	1440	30
Dutch Flat-Bear River North of Rollins Reservoir	Bundle 11: South Yuba River	Nevada & Placer	517	2,474	902,953	20	20	0	30	5	1440	30
Rollins Reservoir/Bear River	Bundle 11: South Yuba River	Placer	12	57	20,958	20	20	0	30	5	1440	30
Halsey Forebay/Lake Arthur	Bundle 11: South Yuba River	Placer	357	1,708	623,509	20	20	0	30	5	1440	30
Rock Creek Lake/Auburn	Bundle 11: South Yuba River	Placer	198	947	345,812	20	20	0	30	5	1440	30
Folsom Lake	Bundle 11: South Yuba River	Placer	4	19	6,986	20	20	0	30	5	1440	30
American River-Chili Bar/Slab Creek Reservoir	Bundle 12: Chili Bar	El Dorado	4	19	6,986	20	20	0	30	5	1440	30
<b>Kings Crane-Helms Regional Bundle</b>												
Bass Lake	Bundle 16: Crane Valley	Madera	104	498	181,639	20	20	0	30	5	1440	30
Manzanita Lake	Bundle 16: Crane Valley	Madera	246	1,177	429,645	20	20	0	30	5	1440	30
San Joaquin PH #2	Bundle 16: Crane Valley	Madera	24	115	41,917	20	20	0	30	5	1440	30
A.G. Wishon PH	Bundle 16: Crane Valley	Madera	6	29	10,479	20	20	0	30	5	1440	30
Kerckhoff Reservoir	Bundle 17: Kerckhoff	Madera & Fresno	91	435	158,934	20	20	0	30	5	1440	30
Auberry Service Center	Bundle 17: Kerckhoff	Fresno	2	10	3,493	20	20	0	30	5	1440	30
Wishon Reservoir	Bundle 18: Kings River	Fresno	150	718	261,979	20	20	0	30	5	1440	30
Keller Ranch	Bundle 18: Kings River	Fresno	3	14	5,240	20	20	0	30	5	1440	30
Tule River	Bundle 19: Tule River	Tulare	45	215	78,594	20	20	0	30	5	1440	30
Kern Canyon	Bundle 20: Kern Canyon	Kern	30	144	52,396	20	20	0	30	5	1440	30
<b>Motherlode Regional Bundle</b>												
Mokelumne River-Tiger Creek Reservoir and Facilities	Bundle 13: Mokelumne River	Amador & Calaveras	11	53	19,212	20	20	0	30	5	1440	30
Mokelumne River-Electra Tunnel/West Point PH	Bundle 13: Mokelumne River	Amador & Calaveras	5	24	8,733	20	20	0	30	5	1440	30
Lake Tabeaud/Electra PH	Bundle 13: Mokelumne River	Amador & Calaveras	150	718	261,979	20	20	0	30	5	1440	30

**Table G-2 Road Link Assumptions**

Land Area	Bundle	County	Units	Daily Round Trips	Annual Round Trips	Trip Length (mi)	Paved (mi)	Unpaved (mi)	Average Speed (mph)	Idle Time (min/trip)	Soak Time 1 (min/trip)	Soak Time 2 thru x (min/trip)
Bear River Reservoir/Lower Bear River Reservoir/Salt Springs	Bundle 13: Mokelumne River	Amador	38	182	66,368	20	20	0	30	5	1440	30
Upper and Lower Blue Lakes/Meadow Lake/Twin Lake	Bundle 13: Mokelumne River	Alpine	67	321	117,017	20	20	0	30	5	1440	30
Stanislaus River	Bundle 14: Stanislaus River	Tuolumne	37	177	64,621	20	20	0	30	5	1440	30
Lyons Reservoir/Phoenix Reservoir	Bundle 14: Stanislaus River	Tuolumne	10	48	17,465	20	20	0	30	5	1440	30
Merced Falls	Bundle 15: Merced River	Merced & Mariposa	1	5	1,747	20	20	0	30	5	1440	30
<b>Shasta Regional Bundle</b>												
Hat Creek	Bundle 1: Hat Creek	Shasta	594	2,842	1,037,436	20	20	0	30	5	1440	30
Pit River 1	Bundle 2: Pit River	Shasta	714	3,416	1,247,019	20	20	0	30	5	1440	30
McArthur Swamp	Bundle 2: Pit River	Shasta	17	81	29,691	20	20	0	30	5	1440	30
Lake Britton	Bundle 2: Pit River	Shasta	264	1,263	461,083	20	20	0	30	5	1440	30
Pit 3	Bundle 2: Pit River	Shasta	736	3,522	1,285,442	20	20	0	30	5	1440	30
McCloud and Iron Canyon, Pit 4,5,6,7, and James B. Black PH	Bundle 2: Pit River	Shasta	95	455	165,920	20	20	0	30	5	1440	30
Kilarc-Cow Creek	Bundle 3: Kilarc-Cow Creek	Shasta	20	96	34,931	20	20	0	30	5	1440	30
Shingletown	Bundle 4: Battle Creek	Shasta	558	2,670	974,561	20	20	0	30	5	1440	30
Inskip PH	Bundle 4: Battle Creek	Tehama	38	182	66,368	20	20	0	30	5	1440	30
<b>Base Timber Harvest Factors</b>												
Employees	--	--	--	10	1850	30	20	10	45	5	1440	540
Haul Trucks	--	--	--	12	2220	75	65	10	40	10	n/a	n/a
Watering Trucks	--	--	--	2	370	10	0	10	5	10	n/a	n/a
<b>Mineral Harvest Factors</b>												
Employees	--	--	--	--	1460	40	34	6	45	5	1440	540
Haul Trucks	--	--	--	--	3650	70	64	6	40	10	n/a	n/a
Watering Trucks	--	--	--	--	1825	6	0	6	5	10	n/a	n/a

Table G-3 Total Residential Emissions

Land Area	Bundle	County	Residential Units	Total Direct Residential Combustion Emissions					Total Indirect Residential Traffic Emissions					Total Residential Emissions					
				ROG t/yr	CO t/yr	NOx t/yr	PM10 t/yr	SO2 t/yr	ROG t/yr	CO t/yr	NOx t/yr	PM10 t/yr	SO2 t/yr	ROG t/yr	CO t/yr	NOx t/yr	PM10 t/yr	SO2 t/yr	
<b>DeSalba Regional Bundle</b>																			
Mountain Meadows Reservoir	Bundle 5: Hamilton Branch	Lassen	19	0.61	0.90	0.11	0.14	0.00	0.46	7.55	0.53	1.05	0.01	1.07	8.45	0.64	1.20	0.01	
Hamilton Branch Powerhouse	Bundle 5: Hamilton Branch	Plumas	16	0.52	0.76	0.09	0.12	0.00	0.38	6.36	0.45	0.89	0.01	0.90	7.12	0.54	1.01	0.01	
North Lake Almanor	Bundle 6: Feather River	Plumas	87	2.81	4.13	0.49	0.66	0.01	2.09	34.57	2.43	4.82	0.03	4.90	38.71	2.92	5.48	0.04	
Southeast Lake Almanor	Bundle 6: Feather River	Plumas	615	19.85	29.23	3.47	4.67	0.07	14.77	244.41	17.15	34.06	0.20	34.62	273.64	20.62	38.74	0.27	
West Lake Almanor/Prattville	Bundle 6: Feather River	Plumas	276	8.91	13.12	1.56	2.10	0.03	6.63	109.69	7.70	15.29	0.09	15.54	122.80	9.25	17.38	0.12	
Butt Valley Reservoir	Bundle 6: Feather River	Plumas	92	2.97	4.37	0.52	0.70	0.01	2.21	36.56	2.57	5.10	0.03	5.18	40.93	3.08	5.79	0.04	
Caribou to Belden PH	Bundle 6: Feather River	Plumas	16	0.52	0.76	0.09	0.12	0.00	0.38	6.36	0.45	0.89	0.01	0.90	7.12	0.54	1.01	0.01	
Humbug Valley	Bundle 6: Feather River	Plumas	240	7.75	11.41	1.35	1.82	0.03	5.76	95.38	6.69	13.29	0.08	13.51	106.79	8.05	15.12	0.10	
Rock Creek-Cresta	Bundle 6: Feather River	Plumas & Butte	19	0.61	0.90	0.11	0.14	0.00	0.46	7.55	0.53	1.05	0.01	1.07	8.45	0.64	1.20	0.01	
Poe	Bundle 6: Feather River	Butte	31	1.00	1.47	0.17	0.24	0.00	0.74	12.32	0.86	1.72	0.01	1.74	13.79	1.04	1.95	0.01	
Bucks Creek/Bucks Lake	Bundle 7: Bucks Creek	Plumas	244	7.88	11.60	1.38	1.85	0.03	5.86	96.97	6.80	13.51	0.08	13.73	108.57	8.18	15.37	0.11	
DeSabra-Centerville	Bundle 8: Butte Creek	Butte	66	2.13	3.14	0.37	0.50	0.01	1.58	26.23	1.84	3.66	0.02	3.72	29.37	2.21	4.16	0.03	
Coal Canyon/Thermalito Diversion Pool	Bundle 8: Butte Creek	Butte	378	12.20	17.97	2.13	2.87	0.04	9.08	150.22	10.54	20.94	0.12	21.28	168.19	12.67	23.81	0.16	
<b>Drum Regional Bundle</b>																			
Narrows-Lake Englebright	Bundle 9: North Yuba River	Nevada & Yuba	3	0.10	0.14	0.02	0.02	0.00	0.07	1.19	0.08	0.17	0.00	0.17	1.33	0.10	0.19	0.00	
Potter Valley-Van Arsdale Reservoir/Potter Valley PH	Bundle 10: Potter Valley	Mendocino	13	0.42	0.62	0.07	0.10	0.00	0.31	5.17	0.36	0.72	0.00	0.73	5.78	0.44	0.82	0.01	
Lake Pillsbury	Bundle 10: Potter Valley	Lake	188	6.07	8.94	1.06	1.43	0.02	4.51	74.71	5.24	10.41	0.06	10.58	83.65	6.30	11.84	0.08	
Kidd Lake/Cascade Lakes	Bundle 11: South Yuba River	Nevada & Placer	38	1.23	1.81	0.21	0.29	0.00	0.91	15.10	1.06	2.10	0.01	2.14	16.91	1.27	2.39	0.02	
Meadow Lake/Fordyce Lake/Lake Sterling/White Rock Lake	Bundle 11: South Yuba River	Nevada & Placer	7	0.23	0.33	0.04	0.05	0.00	0.17	2.78	0.20	0.39	0.00	0.39	3.11	0.23	0.44	0.00	
Rock Lake/Lindsey Lakes	Bundle 11: South Yuba River	Nevada	5	0.16	0.24	0.03	0.04	0.00	0.12	1.99	0.14	0.28	0.00	0.28	2.22	0.17	0.31	0.00	
Lake Valley Reservoir	Bundle 11: South Yuba River	Nevada & Placer	329	10.62	15.64	1.86	2.50	0.04	7.90	130.75	9.17	18.22	0.10	18.52	146.39	11.03	20.72	0.14	

Table G-3 Total Residential Emissions

Land Area	Bundle	County	Residential Units	Total Direct Residential Combustion Emissions					Total Indirect Residential Traffic Emissions					Total Residential Emissions				
				ROG t/yr	CO t/yr	NOx t/yr	PM10 t/yr	SO2 t/yr	ROG t/yr	CO t/yr	NOx t/yr	PM10 t/yr	SO2 t/yr	ROG t/yr	CO t/yr	NOx t/yr	PM10 t/yr	SO2 t/yr
Lake Spaulding/Drum Penstock Forebay	Bundle 11: South Yuba River	Nevada & Placer	2396	77.33	113.88	13.52	18.21	0.28	57.53	952.20	66.81	132.71	0.76	134.87	1066.08	80.33	150.92	1.04
Dutch Flat-Bear River North of Rollins Reservoir	Bundle 11: South Yuba River	Nevada & Placer	517	16.69	24.57	2.92	3.93	0.06	12.41	205.46	14.42	28.63	0.16	29.10	230.03	17.33	32.56	0.22
Rollins Reservoir/Bear River	Bundle 11: South Yuba River	Placer	12	0.39	0.57	0.07	0.09	0.00	0.29	4.77	0.33	0.66	0.00	0.68	5.34	0.40	0.76	0.01
Halsey Forebay/Lake Arthur	Bundle 11: South Yuba River	Placer	357	11.52	16.97	2.01	2.71	0.04	8.57	141.88	9.95	19.77	0.11	20.09	158.84	11.97	22.49	0.15
Rock Creek Lake/Auburn	Bundle 11: South Yuba River	Placer	198	6.39	9.41	1.12	1.50	0.02	4.75	78.69	5.52	10.97	0.06	11.15	88.10	6.64	12.47	0.09
Folsom Lake	Bundle 11: South Yuba River	Placer	4	0.13	0.19	0.02	0.03	0.00	0.10	1.59	0.11	0.22	0.00	0.23	1.78	0.13	0.25	0.00
American River-Chili Bar/Slab Creek Reservoir	Bundle 12: Chili Bar	El Dorado	4	0.13	0.19	0.02	0.03	0.00	0.10	1.59	0.11	0.22	0.00	0.23	1.78	0.13	0.25	0.00
<b>Kings Crane-Helms Regional Bundle</b>																		
Bass Lake	Bundle 16: Crane Valley	Madera	104	3.36	4.94	0.59	0.79	0.01	2.50	41.33	2.90	5.76	0.03	5.85	46.27	3.49	6.55	0.05
Manzanita Lake	Bundle 16: Crane Valley	Madera	246	7.94	11.69	1.39	1.87	0.03	5.91	97.76	6.86	13.63	0.08	13.85	109.46	8.25	15.49	0.11
San Joaquin PH #2	Bundle 16: Crane Valley	Madera	24	0.77	1.14	0.14	0.18	0.00	0.58	9.54	0.67	1.33	0.01	1.35	10.68	0.80	1.51	0.01
A.G. Wishon PH	Bundle 16: Crane Valley	Madera	6	0.19	0.29	0.03	0.05	0.00	0.14	2.38	0.17	0.33	0.00	0.34	2.67	0.20	0.38	0.00
Kerckhoff Reservoir	Bundle 17: Kerckhoff	Madera & Fresno	91	2.94	4.33	0.51	0.69	0.01	2.19	36.16	2.54	5.04	0.03	5.12	40.49	3.05	5.73	0.04
Auberry Service Center	Bundle 17: Kerckhoff	Fresno	2	0.06	0.10	0.01	0.02	0.00	0.05	0.79	0.06	0.11	0.00	0.11	0.89	0.07	0.13	0.00
Wishon Reservoir	Bundle 18: Kings River	Fresno	150	4.84	7.13	0.85	1.14	0.02	3.60	59.61	4.18	8.31	0.05	8.44	66.74	5.03	9.45	0.06
Keller Ranch	Bundle 18: Kings River	Fresno	3	0.10	0.14	0.02	0.02	0.00	0.07	1.19	0.08	0.17	0.00	0.17	1.33	0.10	0.19	0.00
Tule River	Bundle 19: Tule River	Tulare	45	1.45	2.14	0.25	0.34	0.01	1.08	17.88	1.25	2.49	0.01	2.53	20.02	1.51	2.83	0.02
Kern Canyon	Bundle 20: Kern Canyon	Kern	30	0.97	1.43	0.17	0.23	0.00	0.72	11.92	0.84	1.66	0.01	1.69	13.35	1.01	1.89	0.01
<b>Motherlode Regional Bundle</b>																		
Mokelumne River-Tiger Creek Reservoir and Facilities	Bundle 13: Mokelumne River	Amador & Calaveras	11	0.36	0.52	0.06	0.08	0.00	0.26	4.37	0.31	0.61	0.00	0.62	4.89	0.37	0.69	0.00
Mokelumne River-Electra Tunnel/West Point PH	Bundle 13: Mokelumne River	Amador & Calaveras	5	0.16	0.24	0.03	0.04	0.00	0.12	1.99	0.14	0.28	0.00	0.28	2.22	0.17	0.31	0.00
Lake Tabaud/Electra PH	Bundle 13: Mokelumne River	Amador & Calaveras	150	4.84	7.13	0.85	1.14	0.02	3.60	59.61	4.18	8.31	0.05	8.44	66.74	5.03	9.45	0.06

Table G-3 Total Residential Emissions

Land Area	Bundle	County	Residential Units	Total Direct Residential Combustion Emissions					Total Indirect Residential Traffic Emissions					Total Residential Emissions				
				ROG t/yr	CO t/yr	NOx t/yr	PM10 t/yr	SO2 t/yr	ROG t/yr	CO t/yr	NOx t/yr	PM10 t/yr	SO2 t/yr	ROG t/yr	CO t/yr	NOx t/yr	PM10 t/yr	SO2 t/yr
Bear River Reservoir/Lower Bear River Reservoir/Salt Springs	Bundle 13: Mokelumne River	Amador	38	1.23	1.81	0.21	0.29	0.00	0.91	15.10	1.06	2.10	0.01	2.14	16.91	1.27	2.39	0.02
Upper and Lower Blue Lakes/Meadow Lake/Twin Lake	Bundle 13: Mokelumne River	Alpine	67	2.16	3.18	0.38	0.51	0.01	1.61	26.63	1.87	3.71	0.02	3.77	29.81	2.25	4.22	0.03
Stanislaus River	Bundle 14: Stanislaus River	Tuolumne	37	1.19	1.76	0.21	0.28	0.00	0.89	14.70	1.03	2.05	0.01	2.08	16.46	1.24	2.33	0.02
Lyons Reservoir/Phoenix Reservoir	Bundle 14: Stanislaus River	Tuolumne	10	0.32	0.48	0.06	0.08	0.00	0.24	3.97	0.28	0.55	0.00	0.56	4.45	0.34	0.63	0.00
Merced Falls	Bundle 15: Merced River	Merced & Mariposa	1	0.03	0.05	0.01	0.01	0.00	0.02	0.40	0.03	0.06	0.00	0.06	0.44	0.03	0.06	0.00
<b>Shasta Regional Bundle</b>																		
Hat Creek	Bundle 1: Hat Creek	Shasta	594	19.17	28.23	3.35	4.51	0.07	14.26	236.06	16.56	32.90	0.19	33.44	264.30	19.92	37.41	0.26
Pit River 1	Bundle 2: Pit River	Shasta	714	23.04	33.94	4.03	5.43	0.08	17.14	283.75	19.91	39.55	0.23	40.19	317.69	23.94	44.97	0.31
McArthur Swamp	Bundle 2: Pit River	Shasta	17	0.55	0.81	0.10	0.13	0.00	0.41	6.76	0.47	0.94	0.01	0.96	7.56	0.57	1.07	0.01
Lake Britton	Bundle 2: Pit River	Shasta	264	8.52	12.55	1.49	2.01	0.03	6.34	104.92	7.36	14.62	0.08	14.86	117.46	8.85	16.63	0.11
Pit 3	Bundle 2: Pit River	Shasta	736	23.75	34.98	4.15	5.59	0.09	17.67	292.50	20.52	40.76	0.23	41.43	327.48	24.68	46.36	0.32
McCloud and Iron Canyon, Pit 4,5,6,7, and James B. Black PH	Bundle 2: Pit River	Shasta	95	3.07	4.52	0.54	0.72	0.01	2.28	37.75	2.65	5.26	0.03	5.35	42.27	3.19	5.98	0.04
Kilarc-Cow Creek	Bundle 3: Kilarc-Cow Creek	Shasta	20	0.65	0.95	0.11	0.15	0.00	0.48	7.95	0.56	1.11	0.01	1.13	8.90	0.67	1.26	0.01
Shingletown	Bundle 4: Battle Creek	Shasta	558	18.01	26.52	3.15	4.24	0.06	13.40	221.76	15.56	30.91	0.18	31.41	248.28	18.71	35.15	0.24
Inskip PH	Bundle 4: Battle Creek	Tehama	38	1.23	1.81	0.21	0.29	0.00	0.91	15.10	1.06	2.10	0.01	2.14	16.91	1.27	2.39	0.02

**Table G-4 50,000 Board Foot per Day Logging Camp Emission Calculations**

Assumptions					
Employees	10				
Schedule	185 days				
Equipment	Number	Miles per day	HP	Hours	Load Factor
Skidders	2	50	160	8	50%
Loader	1	2	214	8	25%
Road Cat	1	10	165	8	25%
Delimber	1	2	165	8	50%
Chain Saws	4	n/a	6	8	50%
Road Assumptions	Trips/day	Miles/trip	Paved	Unpaved	
Employees	10	30	20	10	
Haul Trucks	12	75	65	10	
Watering Trucks	2	10	0	10	

Equipment	Engine Emission Factors g/hp-hr					Road Dust	
	HC	CO	NOx	PM10	SO2	Paved	Unpaved
Skidders	0.4	1	6.9	0.4	0.017	n/a	86.2
Loader	0.4	1	6.9	0.4	0.017	n/a	86.2
Road Cat	0.4	1	6.9	0.4	0.017	n/a	86.2
Delimber	0.4	1	6.9	0.4	0.017	n/a	86.2
Chain Saws	37	429	1.98	0.73	0.011	n/a	n/a
Employees	EMFAC2000	EMFAC2000	EMFAC2000	EMFAC2000	MB	1.4	39.5
Haul Trucks	EMFAC2000	EMFAC2000	EMFAC2000	EMFAC2000	MB	80.5	103
Watering Trucks	EMFAC2000	EMFAC2000	EMFAC2000	EMFAC2000	MB	n/a	103

MB = Mass balance assuming 30 ppm S for gasoline and 500 ppm S for diesel.

Equipment	Emissions (tons/year)				
	HC	CO	NOx	PM10	SO2
Skidders	0.10	0.26	1.80	1.86	0.00
Loader	0.03	0.09	0.60	0.07	0.00
Road Cat	0.03	0.07	0.46	0.20	0.00
Delimber	0.05	0.13	0.93	0.09	0.00
Chain Saws	0.72	8.40	0.04	0.01	0.00
Employees	0.03	0.69	0.06	0.87	0.00
Haul Trucks	0.12	0.42	2.66	15.45	0.03
Watering Trucks	0.01	0.05	0.11	0.43	0.00
Totals					
Tons/yr	1.11	10.11	6.66	18.99	0.04
lbs/day	11.97	109.31	71.99	205.26	0.43

**Table G-5 Accelerated Timber Harvest Average Daily Throughput and Annual Emission**

Site	Bundle	County	Average BF/Day	HC T/yr	CO T/yr	NOx T/yr	PM10 T/yr	SO2 T/yr
<b>DeSabra Region</b>								
Hamilton Branch	Bundle 5: Hamilton Branch	Lassen	389	0.01	0.08	0.05	0.15	0.00
Upper North Fork Feather River	Bundle 6: Feather River	Plumas	5,722	0.13	1.16	0.76	2.17	0.00
Rock Creek-Cresta	Bundle 6: Feather River	Butte & Plumas	1,722	0.04	0.35	0.23	0.65	0.00
Poe	Bundle 6: Feather River	Butte	1,000	0.02	0.20	0.13	0.38	0.00
Bucks Creek	Bundle 7: Bucks Creek	Plumas	4,222	0.09	0.85	0.56	1.60	0.00
<b>Drum Region</b>								
Potter Valley	Bundle 10: Potter Valley	Mendocino	17,722	0.39	3.58	2.36	6.73	0.01
Drum-Spaulding - Old & New	Bundle 11: South Yuba River	Nevada & Plumas	16,394	0.36	3.32	2.18	6.23	0.01
<b>Kings Crane Region</b>								
Crane Valley	Bundle 16: Crane Valley	Madera	278	0.01	0.06	0.04	0.11	0.00
Helms	Bundle 18: Kings River	Fresno	500	0.01	0.10	0.07	0.19	0.00
<b>Motherlode Region</b>								
Mokelumne	Bundle 13: Mokelumne River	Amador & Calveras	4,389	0.10	0.89	0.58	1.67	0.00
Spring Gap	Bundle 14: Stanislaus River	Tuolumne	444	0.01	0.09	0.06	0.17	0.00
Phoenix	Bundle 14: Stanislaus River	Tuolumne	667	0.01	0.13	0.09	0.25	0.00
<b>Shasta Region</b>								
Pit 3, 4 & 5 233	Bundle 2: Pit River	Shasta	15,333	0.34	3.10	2.04	5.82	0.01
McCloud-Pit 2106	Bundle 2: Pit River	Shasta	9,389	0.21	1.90	1.25	3.57	0.01
Kilarc-Cow Creek	Bundle 3: Kilarc-Cow Creek	Shasta	889	0.02	0.18	0.12	0.34	0.00
Battle Creek	Bundle 4: Battle Creek	Shasta	7,000	0.16	1.42	0.93	2.66	0.01

Note: 1) The 50,000 BF/Day logging camp emissions were calculated based on operation of 185 days/year. The BF/Day factor is used to ratio of the actual accelerated timber harvest projection vs. a full time 50,000 BF/Day Logging Camp. Average Daily Throughput is based on 185 day timber harvest season.

2) the daily emissions are the maximum daily emissions calculated based on the 50,000 BF/Day logging camp emission presented elsewhere.



**Table G-6  
Mineral Extraction Emissions Calculations**

Mining Assumptions - Diatomaceous Earth							
Location	Tons/yr	Schedule					
Lake Britton, Shasta County	90,000	24/7/365					
Equipment	Trips	Trip Length	Paved	Unpaved	Hourly Use	Load Factor	HP
Pickups (LDT)	1460	40	34	6	n/a	n/a	n/a
Haul Trucks	3650	70	64	6	n/a	n/a	n/a
Water Trucks	1825	6	n/a	6	n/a	n/a	n/a
Dozer (Tier 1)	n/a	n/a	n/a	n/a	16	50%	650
Loader (Tier 1)	n/a	n/a	n/a	n/a	16	50%	430
Mining Operation	Silt	Moisture	Speed	Hours	PM10 t/yr		
Ore Bulldozing	10%	40%	n/a	8	3.68		
Overburden Bulldozing	7%	8%	n/a	1	0.14		
Truck Loading	n/a	40%	n/a	n/a	0.15		
Grading	n/a	n/a	5 mph	4	0.56		

Equipment	Engine Emission Factors g/hp-hr					Road Dust	
	HC	CO	NOx	PM	SO2	Paved	Unpaved
Pickups (LDT)	EMFAC2000	EMFAC2000	EMFAC2000	EMFAC2000	(1)	1.4	39.5
Haul Trucks	EMFAC2000	EMFAC2000	EMFAC2000	EMFAC2000	(1)	80.5	103
Water Trucks	EMFAC2000	EMFAC2000	EMFAC2000	EMFAC2000	(1)	n/a	103
Dozer (Tier 1)	0.3	1	6.9	0.4	0.017	n/a	n/a
Loader (Tier 1)	0.3	1	6.9	0.4	0.017	n/a	n/a

(1) - Calculated separately based on 0.05% S for Diesel and 0.03% S for gasoline.

Engine Emissions (tons/year)					
Equipment	HC	CO	NOx	PM10	SO2
Pickups (LDT)	0.03	0.70	0.06	0.46	0.00
Haul Trucks	0.19	0.65	4.08	23.41	0.05
Water Trucks	0.03	0.15	0.34	1.27	0.00
Dozer (Tier 1)	0.63	2.09	14.44	0.84	0.03
Loader (Tier 1)	0.42	1.38	9.55	0.55	0.02

Emission Summary (tons/year)					
	HC	CO	NOx	PM10	SO2
	1.29	4.98	28.47	31.06	0.11
Emission Summary (lbs/day)					
	HC	CO	NOx	PM10	SO2
	7.08	27.29	156.00	170.19	0.58

Table G-7 All of California Base Case 2000

Hydro Year	Generation (GWh)	NOX		SOX		CO		ROG		PM10	
		TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1975	159990	100326	1.254	5918	0.074	44469	0.556	24425	0.305	6439	0.080
1976	165680	102015	1.231	5990	0.072	46601	0.563	24739	0.299	6645	0.080
1977	166953	102535	1.228	6017	0.072	47107	0.564	24831	0.297	6696	0.080
1978	159637	100298	1.257	5914	0.074	44356	0.556	24410	0.306	6428	0.081
1979	162226	100975	1.245	5947	0.073	45277	0.558	24548	0.303	6517	0.080
1980	159556	100250	1.257	5912	0.074	44309	0.555	24416	0.306	6424	0.081
1981	163281	101267	1.240	5963	0.073	45669	0.559	24605	0.301	6556	0.080
1982	158302	99951	1.263	5898	0.075	43868	0.554	24345	0.308	6382	0.081
1983	156652	99513	1.270	5879	0.075	43250	0.552	24256	0.310	6323	0.081
1984	159347	100181	1.257	5910	0.074	44228	0.555	24399	0.306	6416	0.081
1985	163144	101213	1.241	5957	0.073	45627	0.559	24595	0.302	6550	0.080
1986	159714	100297	1.256	5915	0.074	44382	0.556	24417	0.306	6431	0.081
1987	164712	101750	1.235	5978	0.073	46241	0.561	24691	0.300	6610	0.080
1988	165387	101958	1.233	5988	0.072	46485	0.562	24728	0.299	6634	0.080
1989	163179	101305	1.242	5957	0.073	45674	0.560	24610	0.302	6555	0.080
1990	165451	101972	1.233	5990	0.072	46520	0.562	24735	0.299	6637	0.080
1991	165216	101861	1.233	5986	0.072	46411	0.562	24720	0.299	6627	0.080
1992	165602	102022	1.232	5993	0.072	46554	0.562	24742	0.299	6642	0.080
1993	159998	100373	1.255	5920	0.074	44465	0.556	24429	0.305	6439	0.080
1994	165299	101904	1.233	5986	0.072	46454	0.562	24720	0.299	6630	0.080
1995	158274	99972	1.263	5898	0.075	43876	0.554	24341	0.308	6382	0.081
1996	159455	100271	1.258	5912	0.074	44287	0.555	24405	0.306	6422	0.081
1997	159554	100215	1.256	5914	0.074	44282	0.555	24410	0.306	6422	0.080
1998	158985	100140	1.260	5907	0.074	44141	0.555	24378	0.307	6407	0.081
<b>Average</b>	<b>161900</b>	<b>100940</b>	<b>1.247</b>	<b>5944</b>	<b>0.073</b>	<b>45189</b>	<b>0.558</b>	<b>24537</b>	<b>0.303</b>	<b>6509</b>	<b>0.080</b>

Table G-8 All of California Settlement 2005

Hydro Year	Generation (GWh)	NOX		SOX		CO		ROG		PM10	
		TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1975	194112	90643	0.934	6205	0.064	30329	0.312	22762	0.235	6180	0.064
1976	199073	91213	0.916	6289	0.063	31318	0.315	22936	0.230	6311	0.063
1977	200195	91395	0.913	6313	0.063	31630	0.316	22986	0.230	6346	0.063
1978	193862	90644	0.935	6205	0.064	30372	0.313	22764	0.235	6180	0.064
1979	196382	90812	0.925	6238	0.064	30657	0.312	22821	0.232	6232	0.063
1980	193917	90609	0.935	6203	0.064	30348	0.313	22759	0.235	6178	0.064
1981	196981	90917	0.923	6250	0.063	30835	0.313	22847	0.232	6252	0.063
1982	192489	90560	0.941	6187	0.064	30246	0.314	22738	0.236	6152	0.064
1983	190691	90491	0.949	6164	0.065	30160	0.316	22712	0.238	6122	0.064
1984	193642	90608	0.936	6200	0.064	30319	0.313	22756	0.235	6173	0.064
1985	197090	90926	0.923	6255	0.063	30809	0.313	22850	0.232	6251	0.063
1986	194012	90617	0.934	6204	0.064	30365	0.313	22761	0.235	6181	0.064
1987	198371	91118	0.919	6275	0.063	31145	0.314	22905	0.231	6290	0.063
1988	198965	91181	0.917	6285	0.063	31254	0.314	22927	0.230	6305	0.063
1989	197154	90946	0.923	6258	0.063	30865	0.313	22858	0.232	6255	0.063
1990	199146	91182	0.916	6288	0.063	31275	0.314	22930	0.230	6308	0.063
1991	198866	91157	0.917	6284	0.063	31209	0.314	22922	0.231	6300	0.063
1992	199214	91159	0.915	6289	0.063	31292	0.314	22930	0.230	6310	0.063
1993	194177	90652	0.934	6209	0.064	30407	0.313	22769	0.235	6186	0.064
1994	198827	91149	0.917	6286	0.063	31177	0.314	22918	0.231	6298	0.063
1995	192281	90573	0.942	6186	0.064	30263	0.315	22740	0.237	6151	0.064
1996	193682	90602	0.936	6197	0.064	30320	0.313	22754	0.235	6173	0.064
1997	194067	90594	0.934	6202	0.064	30331	0.313	22757	0.235	6179	0.064
1998	192587	90582	0.941	6188	0.064	30264	0.314	22741	0.236	6155	0.064
<b>Average</b>	<b>195824</b>	<b>90847</b>	<b>0.928</b>	<b>6236</b>	<b>0.064</b>	<b>30716</b>	<b>0.314</b>	<b>22827</b>	<b>0.233</b>	<b>6228</b>	<b>0.064</b>

Table G-9 All of California PowerMax Scenario 2005

Hydro Year	Generation (GWh)	NOX		SOX		CO		ROG		PM10	
		TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1975	193575	90607	0.936	6202	0.064	30305	0.313	22752	0.235	6170	0.064
1976	198872	91163	0.917	6282	0.063	31233	0.314	22922	0.231	6303	0.063
1977	199967	91375	0.914	6309	0.063	31572	0.316	22976	0.230	6339	0.063
1978	193601	90629	0.936	6204	0.064	30356	0.314	22758	0.235	6175	0.064
1979	196084	90822	0.926	6238	0.064	30646	0.313	22821	0.233	6227	0.064
1980	193766	90582	0.935	6201	0.064	30314	0.313	22750	0.235	6174	0.064
1981	196696	90893	0.924	6242	0.063	30760	0.313	22839	0.232	6243	0.063
1982	192047	90556	0.943	6181	0.064	30232	0.315	22733	0.237	6146	0.064
1983	190406	90485	0.950	6166	0.065	30160	0.317	22711	0.239	6118	0.064
1984	193330	90610	0.937	6199	0.064	30309	0.314	22753	0.235	6168	0.064
1985	196819	90874	0.923	6250	0.064	30730	0.312	22835	0.232	6242	0.063
1986	193703	90615	0.936	6204	0.064	30343	0.313	22758	0.235	6175	0.064
1987	198172	91070	0.919	6274	0.063	31078	0.314	22892	0.231	6284	0.063
1988	198811	91130	0.917	6284	0.063	31214	0.314	22916	0.231	6300	0.063
1989	196885	90935	0.924	6254	0.064	30813	0.313	22852	0.232	6249	0.063
1990	198988	91173	0.916	6292	0.063	31280	0.314	22928	0.230	6306	0.063
1991	198756	91166	0.917	6283	0.063	31195	0.314	22923	0.231	6298	0.063
1992	198981	91127	0.916	6283	0.063	31237	0.314	22920	0.230	6304	0.063
1993	193806	90645	0.935	6208	0.064	30408	0.314	22764	0.235	6181	0.064
1994	198661	91106	0.917	6280	0.063	31096	0.313	22903	0.231	6291	0.063
1995	191974	90568	0.944	6185	0.064	30266	0.315	22737	0.237	6146	0.064
1996	193201	90583	0.938	6197	0.064	30274	0.313	22746	0.235	6164	0.064
1997	193728	90570	0.935	6200	0.064	30290	0.313	22747	0.235	6172	0.064
1998	192182	90587	0.943	6187	0.064	30282	0.315	22741	0.237	6150	0.064
<b>Average</b>	<b>195542</b>	<b>90828</b>	<b>0.929</b>	<b>6234</b>	<b>0.064</b>	<b>30683</b>	<b>0.314</b>	<b>22820</b>	<b>0.233</b>	<b>6222</b>	<b>0.064</b>

Table G-10 All of California WaterMax Scenario 2005

Hydro Year	Generation (GWh)	NOX		SOX		CO		ROG		PM10	
		TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1975	194396	90652	0.933	6208	0.064	30344	0.312	22767	0.234	6184	0.064
1976	198646	91203	0.918	6290	0.063	31357	0.316	22938	0.231	6306	0.063
1977	199891	91360	0.914	6310	0.063	31585	0.316	22980	0.230	6339	0.063
1978	194266	90681	0.934	6210	0.064	30440	0.313	22775	0.234	6190	0.064
1979	196283	90821	0.925	6235	0.064	30661	0.312	22822	0.233	6231	0.063
1980	193983	90599	0.934	6202	0.064	30376	0.313	22760	0.235	6181	0.064
1981	196820	90903	0.924	6246	0.063	30780	0.313	22841	0.232	6246	0.063
1982	192461	90549	0.941	6184	0.064	30260	0.314	22737	0.236	6153	0.064
1983	190755	90469	0.949	6166	0.065	30145	0.316	22709	0.238	6121	0.064
1984	193772	90576	0.935	6199	0.064	30301	0.313	22751	0.235	6173	0.064
1985	196973	90927	0.923	6252	0.063	30807	0.313	22847	0.232	6250	0.063
1986	194030	90645	0.934	6207	0.064	30420	0.314	22770	0.235	6184	0.064
1987	198173	91093	0.919	6278	0.063	31101	0.314	22899	0.231	6284	0.063
1988	198653	91148	0.918	6285	0.063	31253	0.315	22923	0.231	6300	0.063
1989	197292	90997	0.922	6263	0.063	30969	0.314	22875	0.232	6264	0.063
1990	198902	91161	0.917	6288	0.063	31288	0.315	22927	0.231	6305	0.063
1991	198770	91143	0.917	6283	0.063	31184	0.314	22917	0.231	6297	0.063
1992	199052	91143	0.916	6286	0.063	31282	0.314	22925	0.230	6307	0.063
1993	194248	90669	0.934	6209	0.064	30423	0.313	22775	0.234	6187	0.064
1994	198711	91143	0.917	6283	0.063	31174	0.314	22916	0.231	6296	0.063
1995	192469	90566	0.941	6188	0.064	30272	0.315	22739	0.236	6153	0.064
1996	193686	90621	0.936	6199	0.064	30350	0.313	22761	0.235	6175	0.064
1997	194089	90601	0.934	6201	0.064	30385	0.313	22760	0.235	6183	0.064
1998	192558	90586	0.941	6189	0.064	30272	0.314	22745	0.236	6154	0.064
<b>Average</b>	<b>195787</b>	<b>90844</b>	<b>0.928</b>	<b>6236</b>	<b>0.064</b>	<b>30726</b>	<b>0.314</b>	<b>22827</b>	<b>0.233</b>	<b>6228</b>	<b>0.064</b>

**Table G-11 All of California No Project Case 2005**

Hydro Year	Generation (GWh)	NOX		SOX		CO		ROG		PM10	
		TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1975	193862	90678	0.935	6208	0.064	30417	0.314	22773	0.235	6182	0.064
1976	198771	91253	0.918	6291	0.063	31372	0.316	22945	0.231	6310	0.063
1977	199968	91420	0.914	6318	0.063	31698	0.317	22995	0.230	6347	0.063
1978	193860	90665	0.935	6211	0.064	30448	0.314	22771	0.235	6184	0.064
1979	196151	90946	0.927	6246	0.064	30874	0.315	22852	0.233	6243	0.064
1980	193931	90677	0.935	6211	0.064	30482	0.314	22774	0.235	6188	0.064
1981	196823	90994	0.925	6253	0.064	30936	0.314	22864	0.232	6257	0.064
1982	192780	90632	0.940	6193	0.064	30393	0.315	22760	0.236	6165	0.064
1983	190797	90520	0.949	6172	0.065	30210	0.317	22720	0.238	6127	0.064
1984	194142	90682	0.934	6210	0.064	30470	0.314	22775	0.235	6190	0.064
1985	196891	90982	0.924	6259	0.064	30882	0.314	22860	0.232	6254	0.064
1986	193965	90671	0.935	6213	0.064	30484	0.314	22775	0.235	6188	0.064
1987	197992	91160	0.921	6280	0.063	31189	0.315	22911	0.231	6288	0.064
1988	198542	91248	0.919	6291	0.063	31337	0.316	22939	0.231	6305	0.064
1989	197057	91014	0.924	6260	0.064	31036	0.315	22876	0.232	6265	0.064
1990	198660	91223	0.918	6289	0.063	31315	0.315	22938	0.231	6304	0.063
1991	198587	91208	0.919	6287	0.063	31313	0.315	22935	0.231	6303	0.063
1992	198980	91222	0.917	6286	0.063	31369	0.315	22942	0.231	6313	0.063
1993	194150	90707	0.934	6213	0.064	30512	0.314	22784	0.235	6192	0.064
1994	198677	91221	0.918	6288	0.063	31293	0.315	22935	0.231	6304	0.063
1995	192342	90603	0.942	6193	0.064	30348	0.316	22745	0.237	6156	0.064
1996	193854	90682	0.936	6207	0.064	30478	0.314	22778	0.235	6185	0.064
1997	194131	90658	0.934	6208	0.064	30455	0.314	22774	0.235	6189	0.064
1998	192710	90611	0.940	6193	0.064	30349	0.315	22753	0.236	6162	0.064
<b>Average</b>	<b>195734</b>	<b>90903</b>	<b>0.929</b>	<b>6241</b>	<b>0.064</b>	<b>30819</b>	<b>0.315</b>	<b>22841</b>	<b>0.233</b>	<b>6233</b>	<b>0.064</b>

Table G-12 All of California Settlement 2005 - Base Case 2000

Hydro Year	Generation (GWh)	NOX		SOX		CO		ROG		PM10	
		TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1975	34122	-9683	-0.568	287	0.017	-14140	-0.829	-1663	-0.097	-258	-0.015
1976	33393	-10802	-0.647	300	0.018	-15283	-0.915	-1804	-0.108	-334	-0.020
1977	33242	-11140	-0.670	296	0.018	-15477	-0.931	-1846	-0.111	-350	-0.021
1978	34225	-9655	-0.564	291	0.017	-13984	-0.817	-1646	-0.096	-249	-0.015
1979	34157	-10163	-0.595	291	0.017	-14620	-0.856	-1727	-0.101	-285	-0.017
1980	34361	-9640	-0.561	291	0.017	-13961	-0.813	-1657	-0.096	-245	-0.014
1981	33700	-10350	-0.614	287	0.017	-14834	-0.880	-1759	-0.104	-303	-0.018
1982	34187	-9391	-0.549	289	0.017	-13622	-0.797	-1608	-0.094	-230	-0.013
1983	34040	-9022	-0.530	285	0.017	-13090	-0.769	-1544	-0.091	-201	-0.012
1984	34295	-9573	-0.558	290	0.017	-13908	-0.811	-1643	-0.096	-243	-0.014
1985	33946	-10287	-0.606	298	0.018	-14818	-0.873	-1746	-0.103	-299	-0.018
1986	34298	-9680	-0.564	289	0.017	-14017	-0.817	-1656	-0.097	-250	-0.015
1987	33659	-10632	-0.632	298	0.018	-15096	-0.897	-1786	-0.106	-320	-0.019
1988	33578	-10777	-0.642	297	0.018	-15231	-0.907	-1801	-0.107	-329	-0.020
1989	33976	-10359	-0.610	301	0.018	-14809	-0.872	-1753	-0.103	-300	-0.018
1990	33695	-10789	-0.640	298	0.018	-15245	-0.905	-1805	-0.107	-329	-0.020
1991	33650	-10704	-0.636	298	0.018	-15202	-0.904	-1798	-0.107	-326	-0.019
1992	33612	-10863	-0.646	296	0.018	-15263	-0.908	-1812	-0.108	-332	-0.020
1993	34179	-9722	-0.569	289	0.017	-14058	-0.823	-1660	-0.097	-253	-0.015
1994	33529	-10755	-0.642	300	0.018	-15277	-0.911	-1802	-0.107	-332	-0.020
1995	34007	-9399	-0.553	288	0.017	-13613	-0.801	-1601	-0.094	-231	-0.014
1996	34227	-9669	-0.565	285	0.017	-13968	-0.816	-1651	-0.096	-249	-0.015
1997	34513	-9621	-0.558	288	0.017	-13951	-0.808	-1653	-0.096	-243	-0.014
1998	33601	-9558	-0.569	280	0.017	-13877	-0.826	-1637	-0.097	-252	-0.015
<b>Average</b>	<b>33924</b>	<b>-10093</b>	<b>2.000</b>	<b>292</b>	<b>-0.058</b>	<b>-14473</b>	<b>2.868</b>	<b>-1711</b>	<b>0.339</b>	<b>-281</b>	<b>0.056</b>

**Table G-13 All of California PowerMax Scenario 2005 - Base Case 2000**

Hydro Year	Generation (GWh)	NOX		SOX		CO		ROG		PM10	
		TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1975	33585	-9719	-0.579	284	0.017	-14164	-0.843	-1673	-0.100	-268	-0.016
1976	33192	-10852	-0.654	292	0.018	-15368	-0.926	-1817	-0.110	-342	-0.021
1977	33013	-11160	-0.676	292	0.018	-15534	-0.941	-1856	-0.112	-357	-0.022
1978	33964	-9670	-0.569	290	0.017	-14000	-0.824	-1653	-0.097	-253	-0.015
1979	33858	-10153	-0.600	291	0.017	-14631	-0.864	-1727	-0.102	-290	-0.017
1980	34209	-9668	-0.565	288	0.017	-13995	-0.818	-1667	-0.097	-249	-0.015
1981	33416	-10374	-0.621	279	0.017	-14909	-0.892	-1766	-0.106	-312	-0.019
1982	33745	-9396	-0.557	283	0.017	-13637	-0.808	-1613	-0.096	-236	-0.014
1983	33754	-9028	-0.535	287	0.017	-13090	-0.776	-1545	-0.092	-205	-0.012
1984	33983	-9571	-0.563	289	0.017	-13919	-0.819	-1647	-0.097	-248	-0.015
1985	33675	-10340	-0.614	293	0.017	-14897	-0.885	-1760	-0.105	-308	-0.018
1986	33989	-9682	-0.570	289	0.017	-14039	-0.826	-1660	-0.098	-255	-0.015
1987	33460	-10680	-0.638	296	0.018	-15163	-0.906	-1800	-0.108	-326	-0.020
1988	33424	-10828	-0.648	296	0.018	-15271	-0.914	-1812	-0.108	-334	-0.020
1989	33706	-10370	-0.615	298	0.018	-14861	-0.882	-1759	-0.104	-306	-0.018
1990	33537	-10798	-0.644	302	0.018	-15239	-0.909	-1806	-0.108	-332	-0.020
1991	33540	-10695	-0.638	297	0.018	-15216	-0.907	-1797	-0.107	-329	-0.020
1992	33379	-10894	-0.653	290	0.017	-15317	-0.918	-1822	-0.109	-338	-0.020
1993	33808	-9728	-0.575	288	0.017	-14056	-0.832	-1665	-0.098	-258	-0.015
1994	33362	-10798	-0.647	294	0.018	-15358	-0.921	-1816	-0.109	-339	-0.020
1995	33700	-9404	-0.558	287	0.017	-13610	-0.808	-1604	-0.095	-235	-0.014
1996	33746	-9688	-0.574	285	0.017	-14014	-0.831	-1659	-0.098	-258	-0.015
1997	34174	-9645	-0.564	286	0.017	-13992	-0.819	-1664	-0.097	-250	-0.015
1998	33197	-9553	-0.576	280	0.017	-13859	-0.835	-1637	-0.099	-256	-0.015
<b>Average</b>	<b>33642</b>	<b>-10112</b>	<b>2.000</b>	<b>290</b>	<b>-0.057</b>	<b>-14506</b>	<b>2.869</b>	<b>-1718</b>	<b>0.340</b>	<b>-287</b>	<b>0.057</b>



Table G-14 All of California WaterMax Scenario 2005 - Base Case 2000

Hydro Year	Generation (GWh)	NOX		SOX		CO		ROG		PM10	
		TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1975	34406	-9674	-0.562	290	0.017	-14125	-0.821	-1659	-0.096	-254	-0.015
1976	32966	-10813	-0.656	300	0.018	-15244	-0.925	-1802	-0.109	-339	-0.021
1977	32938	-11174	-0.679	293	0.018	-15522	-0.942	-1852	-0.112	-357	-0.022
1978	34629	-9617	-0.555	296	0.017	-13916	-0.804	-1635	-0.094	-239	-0.014
1979	34057	-10154	-0.596	289	0.017	-14616	-0.858	-1727	-0.101	-286	-0.017
1980	34427	-9650	-0.561	289	0.017	-13934	-0.809	-1657	-0.096	-243	-0.014
1981	33540	-10364	-0.618	283	0.017	-14889	-0.888	-1764	-0.105	-309	-0.018
1982	34159	-9403	-0.551	286	0.017	-13608	-0.797	-1609	-0.094	-229	-0.013
1983	34103	-9044	-0.530	288	0.017	-13105	-0.769	-1547	-0.091	-202	-0.012
1984	34425	-9605	-0.558	289	0.017	-13927	-0.809	-1648	-0.096	-243	-0.014
1985	33829	-10287	-0.608	295	0.017	-14820	-0.876	-1748	-0.103	-301	-0.018
1986	34315	-9652	-0.563	291	0.017	-13962	-0.814	-1647	-0.096	-247	-0.014
1987	33461	-10657	-0.637	300	0.018	-15140	-0.905	-1792	-0.107	-326	-0.019
1988	33265	-10810	-0.650	297	0.018	-15232	-0.916	-1805	-0.109	-334	-0.020
1989	34113	-10308	-0.604	307	0.018	-14705	-0.862	-1735	-0.102	-292	-0.017
1990	33451	-10811	-0.646	298	0.018	-15232	-0.911	-1808	-0.108	-332	-0.020
1991	33554	-10717	-0.639	296	0.018	-15228	-0.908	-1803	-0.107	-329	-0.020
1992	33450	-10879	-0.650	292	0.017	-15273	-0.913	-1817	-0.109	-334	-0.020
1993	34250	-9705	-0.567	288	0.017	-14041	-0.820	-1654	-0.097	-251	-0.015
1994	33412	-10761	-0.644	297	0.018	-15280	-0.915	-1803	-0.108	-334	-0.020
1995	34195	-9406	-0.550	291	0.017	-13605	-0.796	-1602	-0.094	-229	-0.013
1996	34231	-9650	-0.564	287	0.017	-13937	-0.814	-1645	-0.096	-247	-0.014
1997	34535	-9614	-0.557	287	0.017	-13897	-0.805	-1650	-0.096	-239	-0.014
1998	33573	-9554	-0.569	282	0.017	-13869	-0.826	-1633	-0.097	-252	-0.015
<b>Average</b>	<b>33887</b>	<b>-10096</b>	<b>2.000</b>	<b>292</b>	<b>-0.058</b>	<b>-14463</b>	<b>2.865</b>	<b>-1710</b>	<b>0.339</b>	<b>-281</b>	<b>0.056</b>

**Table G-15 All of California No Project 2005 - Base Case 2000**

Hydro Year	Generation (GWh)	NOX		SOX		CO		ROG		PM10	
		TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1975	33872	-9648	-0.570	290	0.017	-14052	-0.830	-1652	-0.098	-256	-0.015
1976	33091	-10762	-0.650	301	0.018	-15229	-0.920	-1795	-0.108	-335	-0.020
1977	33015	-11115	-0.673	301	0.018	-15409	-0.933	-1836	-0.111	-349	-0.021
1978	34223	-9633	-0.563	296	0.017	-13908	-0.813	-1640	-0.096	-245	-0.014
1979	33925	-10029	-0.591	299	0.018	-14403	-0.849	-1696	-0.100	-274	-0.016
1980	34375	-9572	-0.557	299	0.017	-13827	-0.805	-1642	-0.096	-236	-0.014
1981	33542	-10273	-0.613	290	0.017	-14733	-0.878	-1742	-0.104	-299	-0.018
1982	34477	-9319	-0.541	294	0.017	-13476	-0.782	-1586	-0.092	-217	-0.013
1983	34146	-8993	-0.527	293	0.017	-13040	-0.764	-1536	-0.090	-196	-0.011
1984	34796	-9499	-0.546	299	0.017	-13758	-0.791	-1624	-0.093	-226	-0.013
1985	33747	-10232	-0.606	302	0.018	-14745	-0.874	-1736	-0.103	-296	-0.018
1986	34251	-9626	-0.562	298	0.017	-13898	-0.812	-1642	-0.096	-243	-0.014
1987	33280	-10590	-0.636	302	0.018	-15052	-0.905	-1780	-0.107	-322	-0.019
1988	33155	-10710	-0.646	303	0.018	-15148	-0.914	-1789	-0.108	-329	-0.020
1989	33878	-10292	-0.608	303	0.018	-14638	-0.864	-1734	-0.102	-290	-0.017
1990	33209	-10749	-0.647	299	0.018	-15205	-0.916	-1797	-0.108	-333	-0.020
1991	33372	-10653	-0.638	301	0.018	-15098	-0.905	-1785	-0.107	-323	-0.019
1992	33378	-10800	-0.647	292	0.018	-15185	-0.910	-1800	-0.108	-329	-0.020
1993	34152	-9666	-0.566	293	0.017	-13952	-0.817	-1645	-0.096	-247	-0.014
1994	33378	-10683	-0.640	302	0.018	-15161	-0.908	-1784	-0.107	-327	-0.020
1995	34068	-9369	-0.550	296	0.017	-13528	-0.794	-1595	-0.094	-226	-0.013
1996	34399	-9589	-0.558	295	0.017	-13810	-0.803	-1628	-0.095	-237	-0.014
1997	34577	-9557	-0.553	294	0.017	-13826	-0.800	-1636	-0.095	-233	-0.014
1998	33725	-9529	-0.565	286	0.017	-13792	-0.818	-1625	-0.096	-244	-0.014
<b>Average</b>	<b>33835</b>	<b>-10037</b>	<b>2.000</b>	<b>297</b>	<b>-0.059</b>	<b>-14370</b>	<b>2.863</b>	<b>-1697</b>	<b>0.338</b>	<b>-275</b>	<b>0.055</b>

Table G-16 All of California PowerMax Scenario 2005 - No Project Case 2005

Hydro Year	Generation (GWh)	NOX		SOX		CO		ROG		PM10	
		TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1975	-287	-71	0.493	-5	0.038	-112	0.781	-21	0.146	-12	0.085
1976	101	-91	-1.790	-9	-0.176	-139	-2.743	-23	-0.447	-7	-0.142
1977	-2	-45	47.958	-9	9.325	-126	134.204	-20	20.850	-7	7.794
1978	-259	-36	0.280	-6	0.048	-91	0.706	-13	0.101	-9	0.066
1979	-67	-124	3.698	-8	0.242	-228	6.804	-32	0.942	-16	0.482
1980	-165	-95	1.150	-11	0.128	-167	2.023	-25	0.298	-14	0.164
1981	-127	-101	1.603	-11	0.166	-176	2.777	-25	0.393	-13	0.211
1982	-733	-77	0.210	-11	0.031	-161	0.439	-27	0.075	-19	0.053
1983	-391	-35	0.179	-6	0.031	-50	0.257	-9	0.047	-9	0.045
1984	-813	-71	0.175	-11	0.026	-161	0.396	-22	0.055	-22	0.055
1985	-72	-108	2.989	-9	0.239	-152	4.212	-25	0.680	-11	0.317
1986	-262	-56	0.428	-9	0.069	-141	1.077	-18	0.133	-13	0.097
1987	180	-90	-0.998	-6	-0.065	-112	-1.237	-20	-0.218	-5	-0.051
1988	269	-118	-0.882	-7	-0.050	-124	-0.921	-23	-0.168	-5	-0.039
1989	-172	-79	0.915	-5	0.063	-223	2.590	-24	0.282	-17	0.193
1990	328	-50	-0.303	4	0.021	-34	-0.209	-9	-0.057	1	0.007
1991	169	-42	-0.493	-4	-0.043	-118	-1.396	-12	-0.146	-6	-0.067
1992	1	-95	-155.372	-2	-3.884	-132	-216.369	-22	-35.606	-9	-14.651
1993	-344	-62	0.357	-5	0.027	-104	0.603	-20	0.115	-11	0.063
1994	-16	-115	14.341	-8	0.951	-197	24.555	-32	3.970	-13	1.581
1995	-368	-35	0.192	-9	0.047	-82	0.446	-9	0.048	-10	0.052
1996	-653	-99	0.303	-10	0.032	-204	0.625	-31	0.096	-21	0.065
1997	-404	-89	0.439	-9	0.043	-165	0.820	-27	0.135	-16	0.080
1998	-528	-24	0.089	-7	0.025	-67	0.255	-12	0.046	-12	0.044
<b>Average</b>	<b>-192</b>	<b>-75</b>	<b>2.000</b>	<b>-7</b>	<b>0.190</b>	<b>-136</b>	<b>3.616</b>	<b>-21</b>	<b>0.553</b>	<b>-11</b>	<b>0.304</b>

Table G-17 All of California WaterMax Scenario 2005 - No Project Case 2005

Hydro Year	Generation (GWh)	NOX		SOX		CO		ROG		PM10	
		TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1975	533	-26	-0.097	0	0.002	-73	-0.275	-7	-0.025	2	0.007
1976	-125	-51	0.814	-1	0.010	-15	0.243	-7	0.116	-4	0.065
1977	-77	-59	1.537	-8	0.197	-113	2.936	-16	0.407	-8	0.209
1978	405	16	0.080	-1	-0.003	-8	-0.039	4	0.021	6	0.029
1979	132	-125	-1.896	-10	-0.155	-213	-3.226	-31	-0.466	-12	-0.186
1980	52	-78	-2.976	-10	-0.368	-106	-4.058	-14	-0.549	-7	-0.268
1981	-3	-91	69.220	-7	5.112	-156	118.640	-23	17.201	-10	7.830
1982	-318	-84	0.525	-9	0.054	-132	0.831	-23	0.144	-12	0.078
1983	-43	-50	2.356	-6	0.259	-65	3.046	-11	0.524	-6	0.269
1984	-370	-105	0.569	-11	0.059	-169	0.914	-24	0.129	-17	0.093
1985	82	-55	-1.337	-6	-0.158	-76	-1.839	-12	-0.299	-4	-0.103
1986	64	-26	-0.793	-7	-0.209	-64	-1.994	-5	-0.163	-4	-0.122
1987	181	-67	-0.742	-2	-0.021	-88	-0.973	-12	-0.134	-4	-0.043
1988	110	-101	-1.823	-6	-0.104	-84	-1.525	-16	-0.291	-5	-0.092
1989	235	-17	-0.144	4	0.030	-67	-0.572	-1	-0.008	-2	-0.015
1990	242	-62	-0.511	-1	-0.007	-27	-0.223	-11	-0.091	1	0.006
1991	183	-64	-0.703	-4	-0.049	-130	-1.419	-19	-0.203	-6	-0.064
1992	72	-79	-2.202	0	0.006	-87	-2.422	-17	-0.464	-5	-0.142
1993	98	-38	-0.778	-5	-0.092	-89	-1.817	-9	-0.182	-4	-0.088
1994	34	-78	-4.618	-5	-0.288	-119	-7.027	-19	-1.109	-7	-0.437
1995	127	-37	-0.584	-5	-0.081	-77	-1.205	-7	-0.108	-3	-0.046
1996	-167	-61	0.729	-8	0.093	-128	1.525	-17	0.203	-10	0.122
1997	-43	-57	2.688	-8	0.355	-70	3.286	-14	0.643	-6	0.262
1998	-152	-25	0.330	-4	0.057	-77	1.020	-9	0.113	-8	0.104
<b>Average</b>	<b>52</b>	<b>-59</b>	<b>2.000</b>	<b>-5</b>	<b>0.164</b>	<b>-93</b>	<b>3.145</b>	<b>-13</b>	<b>0.448</b>	<b>-6</b>	<b>0.192</b>

Table G-18 All of California WaterMax Scenario 2005 - PowerMax Scenario 2005

Hydro Year	Generation (GWh)	NOX		SOX		CO		ROG		PM10	
		TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1975	820	45	0.109	6	0.014	39	0.095	14	0.035	14	0.034
1976	-226	40	-0.352	8	-0.073	124	-1.094	15	-0.136	3	-0.028
1977	-75	-14	0.379	1	-0.030	13	-0.340	4	-0.103	-1	0.020
1978	664	52	0.158	6	0.017	84	0.252	17	0.052	14	0.043
1979	199	-1	-0.013	-2	-0.021	15	0.150	1	0.008	4	0.039
1980	218	17	0.159	1	0.009	61	0.563	10	0.094	7	0.060
1981	124	11	0.171	4	0.062	20	0.323	2	0.037	3	0.049
1982	414	-7	-0.032	3	0.014	29	0.138	4	0.021	7	0.033
1983	348	-16	-0.089	0	0.003	-15	-0.086	-2	-0.012	3	0.017
1984	442	-34	-0.154	0	0.000	-8	-0.038	-2	-0.007	5	0.024
1985	154	53	0.688	2	0.028	77	0.993	12	0.159	7	0.093
1986	327	31	0.187	2	0.014	77	0.472	12	0.075	9	0.054
1987	1	23	49.407	4	8.709	23	50.784	7	16.237	1	1.417
1988	-158	18	-0.225	1	-0.013	40	-0.500	7	-0.083	0	-0.001
1989	407	62	0.304	9	0.044	156	0.764	23	0.114	15	0.073
1990	-85	-12	0.289	-4	0.101	7	-0.172	-2	0.041	0	0.010
1991	14	-23	-3.219	-1	-0.119	-12	-1.691	-6	-0.885	0	-0.030
1992	71	15	0.429	3	0.073	44	1.253	5	0.140	4	0.107
1993	442	23	0.106	0	0.001	15	0.067	11	0.049	7	0.030
1994	50	37	1.481	3	0.110	78	3.131	13	0.524	5	0.212
1995	495	-2	-0.007	3	0.014	5	0.021	2	0.008	7	0.027
1996	486	38	0.157	3	0.011	76	0.314	14	0.059	11	0.045
1997	361	31	0.173	1	0.006	95	0.528	14	0.075	11	0.059
1998	376	-2	-0.008	2	0.012	-10	-0.054	3	0.018	4	0.020
<b>Average</b>	<b>245</b>	<b>16</b>	<b>2.000</b>	<b>2</b>	<b>0.285</b>	<b>43</b>	<b>5.349</b>	<b>8</b>	<b>0.939</b>	<b>6</b>	<b>0.716</b>

Table G-19 All of California No Project Case 2005 - Settlement Case 2005

Hydro Year	Generation (GWh)	NOX		SOX		CO		ROG		PM10	
		TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1975	-250	35	-0.277	3	-0.021	88	-0.705	11	-0.087	2	-0.018
1976	-302	41	-0.269	2	-0.011	54	-0.358	9	-0.061	-1	0.007
1977	-227	25	-0.218	5	-0.046	68	-0.604	9	-0.082	1	-0.009
1978	-2	21	-21.927	6	-5.892	76	-78.204	7	-6.855	4	-4.308
1979	-232	134	-1.158	8	-0.069	216	-1.869	31	-0.270	11	-0.096
1980	14	68	9.682	8	1.181	134	19.068	15	2.149	10	1.356
1981	-158	77	-0.979	3	-0.039	101	-1.278	17	-0.216	5	-0.057
1982	291	72	0.496	6	0.039	146	1.005	22	0.152	13	0.089
1983	106	28	0.537	8	0.158	51	0.954	8	0.146	5	0.091
1984	501	74	0.296	9	0.036	151	0.602	19	0.076	17	0.069
1985	-199	56	-0.560	4	-0.040	74	-0.740	10	-0.101	3	-0.027
1986	-47	54	-2.275	9	-0.398	120	-5.083	14	-0.587	7	-0.310
1987	-379	42	-0.221	4	-0.022	45	-0.236	6	-0.033	-2	0.011
1988	-422	67	-0.317	6	-0.030	84	-0.397	12	-0.058	0	0.002
1989	-97	68	-1.393	2	-0.037	171	-3.505	18	-0.373	10	-0.205
1990	-486	41	-0.167	0	-0.002	40	-0.164	8	-0.033	-4	0.017
1991	-278	51	-0.365	3	-0.020	104	-0.747	13	-0.095	3	-0.022
1992	-234	63	-0.540	-3	0.029	78	-0.665	12	-0.100	3	-0.023
1993	-27	55	-4.116	4	-0.287	105	-7.873	15	-1.126	6	-0.452
1994	-151	72	-0.952	2	-0.022	117	-1.550	17	-0.229	6	-0.078
1995	61	31	1.003	7	0.245	85	2.790	6	0.196	5	0.173
1996	172	80	0.928	10	0.117	158	1.837	24	0.274	12	0.141
1997	65	65	1.995	7	0.207	125	3.851	17	0.532	9	0.292
1998	123	29	0.476	6	0.092	85	1.381	12	0.197	7	0.119
<b>Average</b>	<b>-90</b>	<b>56</b>	<b>2.000</b>	<b>5</b>	<b>0.176</b>	<b>103</b>	<b>3.675</b>	<b>14</b>	<b>0.495</b>	<b>6</b>	<b>0.196</b>

Table G-20 All of California PowerMax Scenario 2005 - Settlement Case 2005

Hydro Year	Generation (GWh)	NOX		SOX		CO		ROG		PM10	
		TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1975	-537	-36	0.135	-3	0.011	-24	0.090	-10	0.037	-10	0.037
1976	-200	-50	0.500	-7	0.073	-85	0.848	-13	0.134	-8	0.082
1977	-228	-20	0.178	-4	0.031	-57	0.503	-10	0.090	-6	0.055
1978	-261	-15	0.115	-1	0.004	-16	0.120	-6	0.049	-4	0.034
1979	-299	10	-0.068	0	0.001	-12	0.078	0	0.002	-5	0.034
1980	-151	-27	0.358	-2	0.030	-33	0.440	-10	0.126	-4	0.054
1981	-284	-24	0.171	-7	0.053	-75	0.527	-8	0.055	-9	0.062
1982	-442	-5	0.022	-6	0.026	-15	0.066	-5	0.023	-6	0.029
1983	-285	-6	0.045	2	-0.016	0	-0.002	-1	0.010	-4	0.028
1984	-312	3	-0.018	-2	0.010	-10	0.065	-3	0.021	-5	0.032
1985	-271	-52	0.386	-5	0.034	-79	0.581	-15	0.107	-9	0.065
1986	-309	-3	0.016	0	-0.002	-22	0.139	-4	0.024	-5	0.035
1987	-199	-48	0.484	-2	0.017	-67	0.670	-13	0.134	-7	0.066
1988	-154	-52	0.669	0	0.004	-40	0.517	-10	0.136	-6	0.072
1989	-269	-11	0.080	-4	0.027	-52	0.385	-6	0.045	-7	0.049
1990	-158	-9	0.115	4	-0.050	6	-0.070	-1	0.016	-3	0.036
1991	-109	9	-0.166	-1	0.015	-14	0.255	1	-0.015	-3	0.048
1992	-233	-32	0.272	-6	0.050	-54	0.466	-10	0.086	-6	0.054
1993	-371	-6	0.035	-1	0.004	1	-0.008	-5	0.025	-5	0.026
1994	-167	-43	0.521	-6	0.072	-80	0.964	-15	0.175	-7	0.082
1995	-307	-5	0.031	-1	0.008	3	-0.019	-3	0.019	-4	0.029
1996	-481	-19	0.080	0	0.001	-46	0.191	-8	0.032	-9	0.038
1997	-339	-24	0.141	-2	0.012	-41	0.239	-10	0.060	-7	0.039
1998	-404	6	-0.029	-1	0.004	18	-0.089	0	-0.001	-4	0.022
<b>Average</b>	<b>-282</b>	<b>-19</b>	<b>2.000</b>	<b>-2</b>	<b>0.229</b>	<b>-33</b>	<b>3.444</b>	<b>-7</b>	<b>0.722</b>	<b>-6</b>	<b>0.621</b>

Table G-21 All of California WaterMax Scenario 2005 - Settlement Case 2005

Hydro Year	Generation (GWh)	NOX		SOX		CO		ROG		PM10	
		TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1975	283	9	0.062	3	0.022	15	0.104	4	0.029	4	0.030
1976	-427	-10	0.048	1	-0.004	39	-0.182	2	-0.009	-5	0.024
1977	-304	-35	0.228	-2	0.016	-45	0.294	-6	0.042	-7	0.046
1978	403	37	0.186	5	0.025	68	0.336	11	0.054	10	0.049
1979	-99	9	-0.178	-2	0.046	3	-0.066	0	-0.010	-1	0.024
1980	66	-10	-0.294	-1	-0.040	28	0.843	1	0.022	3	0.076
1981	-160	-14	0.170	-4	0.046	-55	0.685	-6	0.069	-6	0.072
1982	-27	-11	0.835	-3	0.210	14	-1.016	-1	0.059	0	-0.035
1983	63	-22	-0.696	3	0.090	-15	-0.466	-4	-0.111	-1	-0.030
1984	130	-31	-0.480	-2	-0.026	-19	-0.284	-5	-0.074	0	0.003
1985	-117	1	-0.013	-2	0.042	-2	0.035	-2	0.039	-2	0.027
1986	17	28	3.244	3	0.304	55	6.423	9	0.990	3	0.390
1987	-198	-25	0.256	2	-0.024	-43	0.437	-6	0.059	-6	0.060
1988	-312	-34	0.216	1	-0.004	0	0.002	-4	0.025	-5	0.035
1989	138	51	0.740	5	0.077	104	1.505	17	0.249	8	0.120
1990	-243	-21	0.176	0	0.003	13	-0.106	-3	0.024	-3	0.027
1991	-95	-14	0.285	-2	0.035	-26	0.542	-5	0.113	-3	0.060
1992	-162	-16	0.203	-3	0.040	-10	0.120	-5	0.062	-2	0.030
1993	71	17	0.478	-1	-0.019	16	0.459	6	0.173	2	0.048
1994	-117	-6	0.111	-3	0.055	-2	0.038	-2	0.026	-2	0.026
1995	188	-7	-0.071	2	0.025	8	0.087	-1	-0.010	2	0.025
1996	5	19	8.010	2	0.977	30	12.953	7	2.786	2	0.845
1997	22	7	0.660	-1	-0.079	55	4.941	4	0.317	4	0.351
1998	-29	4	-0.300	1	-0.094	8	-0.542	4	-0.250	-1	0.039
<b>Average</b>	<b>-38</b>	<b>-3</b>	<b>2.000</b>	<b>0</b>	<b>-0.059</b>	<b>10</b>	<b>-6.466</b>	<b>1</b>	<b>-0.405</b>	<b>0</b>	<b>0.123</b>



Table G-22 Base Case 2000 Regional Emissions

HydroYear	Basin Name	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/mwh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1975	SO-CST-I	14	2430.2	838.036	0.69	15.117	0.012	1155.94	0.951	130.789	0.108	107.428	0.088
1975	SAN FRAN	27	12161.2	4793.9	0.788	132.315	0.022	4367.67	0.718	477.569	0.079	452.543	0.074
1975	SO-CST-C	39	34628.7	2840.35	0.164	230.329	0.013	6499.94	0.375	1087.45	0.063	731.954	0.042
1975	VENTURA	7	9211.18	3509.83	0.762	71.992	0.016	3965.37	0.861	1421.25	0.309	402.525	0.087
1975	DESERT	25	18719.7	7057.42	0.754	388.5	0.042	3676.6	0.393	1428.51	0.153	435.274	0.047
1975	SAN JOAQ	8	5694.24	7.249	0.003	0.032	0	3.515	0.001	1.342	0	0.415	0
1975	RSALSCST	3	6.548	20.906	6.386	0.109	0.033	8.254	2.521	1.229	0.375	2.255	0.689
1975	SO-CST-Q	17	14258.3	66505.1	9.329	1628.52	0.228	11909.3	1.671	16523.1	2.318	1707.75	0.24
1975	OTHER	31	26079.2	9892.69	0.759	2747.45	0.211	7543.7	0.579	2749.85	0.211	1964.12	0.151
1975	S.CENTRL	9	16937.4	941.489	0.111	21.083	0.002	1728.78	0.204	177.094	0.021	158.12	0.019
1975	N.CENTRL	8	8823.5	1879.26	0.426	31.932	0.007	2524.13	0.572	260.466	0.059	238.882	0.054
1975	N. COAST	19	6287.22	114.326	0.036	619.641	0.197	58.131	0.018	40.222	0.013	90.874	0.029
1975	SACRAMTO	17	2039.91	182.957	0.179	8.629	0.008	65.859	0.065	33.892	0.033	65.046	0.064
1975	SANDIEGO	34	2712.63	1742.65	1.285	22.171	0.016	961.34	0.709	92.666	0.068	81.468	0.06
1976	SO-CST-I	14	3003.46	1080.97	0.72	18.594	0.012	1424.32	0.948	161.385	0.107	132.259	0.088
1976	SAN FRAN	27	13016.6	5192.85	0.798	154.278	0.024	4696.76	0.722	515.842	0.079	484.007	0.074
1976	SO-CST-C	39	36714.5	3277.21	0.179	242.467	0.013	7254.6	0.395	1227.11	0.067	803.541	0.044
1976	VENTURA	7	9913.36	3545.49	0.715	76.22	0.015	4217	0.851	1448.14	0.292	426.589	0.086
1976	DESERT	25	18895.2	7160.04	0.758	389.67	0.041	3747.75	0.397	1446.21	0.153	441.604	0.047
1976	SAN JOAQ	8	5699.16	15.102	0.005	0.067	0	7.365	0.003	2.812	0.001	0.87	0
1976	RSALSCST	3	11.27	31.321	5.558	0.163	0.029	12.67	2.248	2.165	0.384	3.325	0.59
1976	SO-CST-Q	17	14258.3	66505.1	9.329	1628.52	0.228	11909.3	1.671	16523.1	2.318	1707.75	0.24
1976	OTHER	31	26096.7	9899.31	0.759	2747.59	0.211	7548.52	0.579	2752.74	0.211	1965.67	0.151
1976	S.CENTRL	9	17188	1003.32	0.117	22.278	0.003	1826.8	0.213	187.135	0.022	167.085	0.019
1976	N.CENTRL	8	9245.47	2011.59	0.435	33.702	0.007	2666.08	0.577	275.072	0.06	252.135	0.055
1976	N. COAST	19	6436.23	118.621	0.037	640.999	0.199	60.67	0.019	40.949	0.013	91.531	0.028
1976	SACRAMTO	17	2153.17	204.261	0.19	9.185	0.009	77.167	0.072	38.883	0.036	69.043	0.064
1976	SANDIEGO	34	3048.55	1969.88	1.292	25.784	0.017	1151.91	0.756	117.914	0.077	99.469	0.065
1977	SO-CST-I	14	3173.93	1150.51	0.725	19.56	0.012	1498.29	0.944	170.052	0.107	139.104	0.088
1977	SAN FRAN	27	13253.7	5325.94	0.804	169.929	0.026	4788.9	0.723	529.538	0.08	493.571	0.074
1977	SO-CST-C	39	37214.8	3416.36	0.184	245.734	0.013	7444.52	0.4	1269.04	0.068	821.457	0.044
1977	VENTURA	7	9966.64	3555.32	0.713	76.979	0.015	4239.15	0.851	1450.82	0.291	429.06	0.086
1977	DESERT	25	18953.8	7195.82	0.759	390.069	0.041	3772.09	0.398	1452.12	0.153	443.772	0.047
1977	SAN JOAQ	8	5701.7	18.648	0.007	0.085	0	9.334	0.003	3.564	0.001	1.103	0
1977	RSALSCST	3	13.971	39.169	5.607	0.203	0.029	15.796	2.261	2.706	0.387	4.141	0.593
1977	SO-CST-Q	17	14258.3	66505.1	9.329	1628.52	0.228	11909.3	1.671	16523.1	2.318	1707.75	0.24

**Table G-22 Base Case 2000 Regional Emissions**

HydroYear	Basin Name	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/mwh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1977	OTHER	31	26109.5	9903.17	0.759	2747.69	0.21	7551.47	0.578	2754.75	0.211	1966.78	0.151
1977	S.CENTRL	9	17241.6	1027.38	0.119	22.544	0.003	1848.57	0.214	189.366	0.022	169.077	0.02
1977	N.CENTRL	8	9287.56	2036.04	0.438	33.921	0.007	2685.33	0.578	277.019	0.06	253.789	0.055
1977	N. COAST	19	6460.82	119.371	0.037	644.779	0.2	60.867	0.019	41.036	0.013	91.618	0.028
1977	SACRAMTO	17	2183.16	212.071	0.194	9.328	0.009	81.8	0.075	40.801	0.037	70.18	0.064
1977	SANDIEGO	34	3133.75	2029.78	1.295	27.705	0.018	1201.38	0.767	127.542	0.081	104.476	0.067
1978	SO-CST-I	14	2386.5	833.637	0.699	14.918	0.013	1139.6	0.955	129.248	0.108	105.923	0.089
1978	SAN FRAN	27	12112	4778.5	0.789	132.053	0.022	4350.43	0.718	475.874	0.079	451.013	0.074
1978	SO-CST-C	39	34527.4	2844.53	0.165	229.859	0.013	6461.85	0.374	1081.86	0.063	728.648	0.042
1978	VENTURA	7	9139.52	3508.28	0.768	71.704	0.016	3942.09	0.863	1418.89	0.31	400.39	0.088
1978	DESERT	25	18691.3	7049	0.754	388.352	0.042	3670.64	0.393	1425.56	0.153	434.769	0.047
1978	SAN JOAQ	8	5694.71	7.783	0.003	0.035	0	3.832	0.001	1.463	0.001	0.453	0
1978	RSALSCST	3	6.727	21.242	6.316	0.111	0.033	8.394	2.496	1.248	0.371	2.295	0.682
1978	SO-CST-Q	17	14258.3	66505.1	9.329	1628.52	0.228	11909.3	1.671	16523.1	2.318	1707.75	0.24
1978	OTHER	31	26079.6	9892.94	0.759	2747.46	0.211	7543.91	0.579	2749.97	0.211	1964.17	0.151
1978	S.CENTRL	9	16917.8	942.534	0.111	20.994	0.002	1721.53	0.204	176.351	0.021	157.457	0.019
1978	N.CENTRL	8	8791.43	1873.07	0.426	31.826	0.007	2517.3	0.573	259.73	0.059	238.102	0.054
1978	N. COAST	19	6273.86	112.453	0.036	617.889	0.197	57.207	0.018	40.071	0.013	90.752	0.029
1978	SACRAMTO	17	2038.71	183.776	0.18	8.622	0.008	66.582	0.065	34.149	0.034	65.055	0.064
1978	SANDIEGO	34	2719.24	1745.2	1.284	22.042	0.016	963.186	0.708	92.948	0.068	81.628	0.06
1979	SO-CST-I	14	2634.02	915.129	0.695	16.242	0.012	1243.12	0.944	140.83	0.107	115.472	0.088
1979	SAN FRAN	27	12502.5	4952.65	0.792	141.01	0.023	4496.9	0.719	492.641	0.079	464.944	0.074
1979	SO-CST-C	39	35415	2996.26	0.169	234.745	0.013	6767.89	0.382	1139.61	0.064	757.475	0.043
1979	VENTURA	7	9509.45	3526.75	0.742	73.805	0.016	4074.29	0.857	1432.88	0.301	412.926	0.087
1979	DESERT	25	18806.6	7111.29	0.756	389.111	0.041	3712.22	0.395	1438.21	0.153	438.429	0.047
1979	SAN JOAQ	8	5696.45	10.789	0.004	0.047	0	5.215	0.002	1.991	0.001	0.616	0
1979	RSALSCST	3	8.301	24.789	5.972	0.129	0.031	9.913	2.388	1.582	0.381	2.657	0.64
1979	SO-CST-Q	17	14258.3	66505.1	9.329	1628.52	0.228	11909.3	1.671	16523.1	2.318	1707.75	0.24
1979	OTHER	31	26086.3	9895.86	0.759	2747.51	0.211	7545.81	0.579	2751.07	0.211	1964.78	0.151
1979	S.CENTRL	9	17038.4	969.458	0.114	21.563	0.003	1768.16	0.208	181.129	0.021	161.722	0.019
1979	N.CENTRL	8	8999.46	1934.39	0.43	32.677	0.007	2584.57	0.574	266.671	0.059	244.464	0.054
1979	N. COAST	19	6345.42	115.949	0.037	628.688	0.198	59.186	0.019	40.505	0.013	91.135	0.029
1979	SACRAMTO	17	2085.6	191.956	0.184	8.853	0.008	70.732	0.068	36.019	0.035	66.675	0.064
1979	SANDIEGO	34	2839.73	1824.29	1.285	23.709	0.017	1029.9	0.725	102.022	0.072	87.986	0.062
1980	SO-CST-I	14	2368.06	806.841	0.681	14.679	0.012	1120.42	0.946	127.199	0.107	104.161	0.088
1980	SAN FRAN	27	12088.2	4775.68	0.79	132.35	0.022	4346.72	0.719	475.581	0.079	450.62	0.075

Table G-22 Base Case 2000 Regional Emissions

HydroYear	Basin Name	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/mwh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1980	SO-CST-C	39	34527.7	2830.37	0.164	229.899	0.013	6443.65	0.373	1089.62	0.063	726.807	0.042
1980	VENTURA	7	9138.29	3510.4	0.768	71.781	0.016	3944.49	0.863	1419.18	0.311	400.653	0.088
1980	DESERT	25	18702.6	7053.67	0.754	388.416	0.042	3673.79	0.393	1426.65	0.153	435.044	0.047
1980	SAN JOAQ	8	5694.86	8.175	0.003	0.036	0	3.978	0.001	1.519	0.001	0.47	0
1980	RSALSCST	3	6.782	21.498	6.339	0.112	0.033	8.496	2.505	1.267	0.374	2.321	0.684
1980	SO-CST-Q	17	14258.3	66505.1	9.329	1628.52	0.228	11909.3	1.671	16523.1	2.318	1707.75	0.24
1980	OTHER	31	26080.1	9893.27	0.759	2747.46	0.211	7544.06	0.579	2750.02	0.211	1964.21	0.151
1980	S.CENTRL	9	16908.7	940.78	0.111	20.95	0.002	1717.87	0.203	175.977	0.021	157.122	0.019
1980	N.CENTRL	8	8776.99	1868.65	0.426	31.795	0.007	2517.07	0.574	259.66	0.059	237.881	0.054
1980	N. COAST	19	6260.93	112.682	0.036	615.672	0.197	56.942	0.018	40.022	0.013	90.691	0.029
1980	SACRAMTO	17	2038.65	183.985	0.18	8.622	0.008	66.759	0.065	34.213	0.034	65.064	0.064
1980	SANDIEGO	34	2705.91	1738.51	1.285	22.102	0.016	955.529	0.706	92.408	0.068	80.958	0.06
1981	SO-CST-I	14	2726.27	962.428	0.706	16.926	0.012	1293.47	0.949	146.803	0.108	120.196	0.088
1981	SAN FRAN	27	12649.4	5014.63	0.793	145.951	0.023	4553.21	0.72	499.506	0.079	470.463	0.074
1981	SO-CST-C	39	35829.2	3081.81	0.172	237.206	0.013	6919.75	0.386	1167.52	0.065	771.997	0.043
1981	VENTURA	7	9644.75	3532.75	0.733	74.685	0.015	4123.78	0.855	1438.17	0.298	417.704	0.087
1981	DESERT	25	18827.1	7121.28	0.756	389.228	0.041	3721.33	0.395	1439.31	0.153	439.259	0.047
1981	SAN JOAQ	8	5697.14	11.889	0.004	0.052	0	5.737	0.002	2.19	0.001	0.678	0
1981	RSALSCST	3	9.057	26.635	5.881	0.139	0.031	10.666	2.355	1.716	0.379	2.852	0.63
1981	SO-CST-Q	17	14258.3	66505.1	9.329	1628.52	0.228	11909.3	1.671	16523.1	2.318	1707.75	0.24
1981	OTHER	31	26088.8	9896.15	0.759	2747.53	0.211	7546.3	0.579	2751.39	0.211	1964.95	0.151
1981	S.CENTRL	9	17057.8	972.683	0.114	21.655	0.003	1775.75	0.208	181.906	0.021	162.416	0.019
1981	N.CENTRL	8	9074.6	1954.49	0.431	32.943	0.007	2603.42	0.574	268.662	0.059	246.443	0.054
1981	N. COAST	19	6398.98	116.003	0.036	634.886	0.198	59.19	0.018	40.67	0.013	91.292	0.029
1981	SACRAMTO	17	2105.86	195.296	0.185	8.955	0.009	72.4	0.069	36.785	0.035	67.382	0.064
1981	SANDIEGO	34	2913.36	1875.86	1.288	24.279	0.017	1074.43	0.738	107.451	0.074	92.133	0.063
1982	SO-CST-I	14	2269.45	780.073	0.687	14.135	0.012	1077.15	0.949	122.539	0.108	100.178	0.088
1982	SAN FRAN	27	11896.6	4698.92	0.79	129.988	0.022	4272.61	0.718	467.756	0.079	443.733	0.075
1982	SO-CST-C	39	34129.7	2773.15	0.163	227.628	0.013	6312.25	0.37	1058.26	0.062	714.472	0.042
1982	VENTURA	7	8950.84	3500.06	0.782	70.861	0.016	3873.04	0.865	1411.8	0.315	394.075	0.088
1982	DESERT	25	18635.6	7014.74	0.753	387.933	0.042	3648.35	0.392	1418.36	0.152	432.814	0.046
1982	SAN JOAQ	8	5694.39	7.424	0.003	0.033	0	3.597	0.001	1.374	0	0.425	0
1982	RSALSCST	3	6.401	20.36	6.362	0.107	0.033	8.041	2.512	1.189	0.371	2.202	0.688
1982	SO-CST-Q	17	14258.3	66505.1	9.329	1628.52	0.228	11909.3	1.671	16523.1	2.318	1707.75	0.24
1982	OTHER	31	26078.6	9892.01	0.759	2747.45	0.211	7543.48	0.579	2749.77	0.211	1964.06	0.151
1982	S.CENTRL	9	16848.3	930.598	0.11	20.665	0.002	1694.54	0.201	173.587	0.021	154.988	0.018

**Table G-22 Base Case 2000 Regional Emissions**

HydroYear	Basin Name	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/mwh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1982	N.CENTRL	8	8668.67	1837.59	0.424	31.325	0.007	2478.26	0.572	255.69	0.059	234.355	0.054
1982	N. COAST	19	6212.05	112.677	0.036	609.464	0.196	56.972	0.018	39.859	0.013	90.552	0.029
1982	SACRAMTO	17	2005.06	179.997	0.18	8.455	0.008	65.151	0.065	33.373	0.033	63.983	0.064
1982	SANDIEGO	34	2648.14	1698.64	1.283	21.552	0.016	925.76	0.699	88.806	0.067	78.177	0.059
1983	SO-CST-I	14	2131.39	743.883	0.698	13.378	0.013	1017.29	0.955	115.895	0.109	94.677	0.089
1983	SAN FRAN	27	11655.9	4591.15	0.788	125.679	0.022	4182.07	0.718	457.69	0.079	434.973	0.075
1983	SO-CST-C	39	33612.3	2673.01	0.159	224.67	0.013	6113.01	0.364	1025.39	0.061	695.751	0.041
1983	VENTURA	7	8669.58	3476.37	0.802	69.066	0.016	3761.83	0.868	1400.02	0.323	383.506	0.088
1983	DESERT	25	18543.9	6958.88	0.751	387.224	0.042	3613.66	0.39	1405.01	0.152	429.808	0.046
1983	SAN JOAQ	8	5693.62	6.326	0.002	0.028	0	3.045	0.001	1.163	0	0.36	0
1983	RSALSCST	3	5.289	16.656	6.299	0.087	0.033	6.599	2.495	0.984	0.372	1.803	0.682
1983	SO-CST-Q	17	14258.3	66505.1	9.329	1628.52	0.228	11909.3	1.671	16523.1	2.318	1707.75	0.24
1983	OTHER	31	26076.5	9890.65	0.759	2747.43	0.211	7542.72	0.579	2749.42	0.211	1963.86	0.151
1983	S.CENTRL	9	16766	912.603	0.109	20.282	0.002	1663.1	0.198	170.366	0.02	152.113	0.018
1983	N.CENTRL	8	8530.25	1798.99	0.422	30.74	0.007	2430.9	0.57	250.826	0.059	229.97	0.054
1983	N. COAST	19	6146.41	112.639	0.037	602.221	0.196	56.616	0.018	39.624	0.013	90.329	0.029
1983	SACRAMTO	17	1981.64	176.204	0.178	8.343	0.008	63.232	0.064	32.498	0.033	63.197	0.064
1983	SANDIEGO	34	2580.85	1650.41	1.279	21.02	0.016	886.723	0.687	84.026	0.065	74.54	0.058
1984	SO-CST-I	14	2347.11	802.821	0.684	14.585	0.012	1112.85	0.948	126.408	0.108	103.467	0.088
1984	SAN FRAN	27	12042.2	4751.43	0.789	132.148	0.022	4322.94	0.718	473.263	0.079	448.528	0.074
1984	SO-CST-C	39	34467.7	2821.96	0.164	229.456	0.013	6425.14	0.373	1080.14	0.063	725.28	0.042
1984	VENTURA	7	9133.03	3510.82	0.769	71.79	0.016	3941.42	0.863	1418.89	0.311	400.417	0.088
1984	DESERT	25	18693.2	7047.76	0.754	388.339	0.042	3669.55	0.393	1425.44	0.153	434.669	0.047
1984	SAN JOAQ	8	5694.77	8.035	0.003	0.036	0	3.921	0.001	1.497	0.001	0.463	0
1984	RSALSCST	3	6.732	21.199	6.298	0.111	0.033	8.39	2.493	1.256	0.373	2.29	0.68
1984	SO-CST-Q	17	14258.3	66505.1	9.329	1628.52	0.228	11909.3	1.671	16523.1	2.318	1707.75	0.24
1984	OTHER	31	26079.6	9892.96	0.759	2747.46	0.211	7543.89	0.579	2749.95	0.211	1964.16	0.151
1984	S.CENTRL	9	16896.7	939.004	0.111	20.892	0.002	1713.12	0.203	175.49	0.021	156.688	0.019
1984	N.CENTRL	8	8767.98	1865.25	0.425	31.736	0.007	2510.89	0.573	259.053	0.059	237.43	0.054
1984	N. COAST	19	6253.28	112.915	0.036	614.688	0.197	57.183	0.018	40.014	0.013	90.691	0.029
1984	SACRAMTO	17	2024.23	182.434	0.18	8.55	0.008	66.15	0.065	33.882	0.033	64.603	0.064
1984	SANDIEGO	34	2681.73	1719.43	1.282	21.909	0.016	943.062	0.703	90.923	0.068	79.798	0.06
1985	SO-CST-I	14	2711.92	950.991	0.701	16.792	0.012	1286.03	0.948	145.511	0.107	119.444	0.088
1985	SAN FRAN	27	12663.8	5020.48	0.793	143.376	0.023	4560.15	0.72	499.408	0.079	470.854	0.074
1985	SO-CST-C	39	35728.9	3055.26	0.171	236.629	0.013	6889.75	0.386	1160.46	0.065	769.065	0.043
1985	VENTURA	7	9629.47	3533.87	0.734	74.416	0.015	4120.46	0.856	1437.68	0.299	417.191	0.087

Table G-22 Base Case 2000 Regional Emissions

HydroYear	Basin Name	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/mwh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1985	DESERT	25	18828.6	7123.12	0.757	389.272	0.041	3720.45	0.395	1441.14	0.153	439.146	0.047
1985	SAN JOAQ	8	5696.51	10.685	0.004	0.047	0	5.209	0.002	1.989	0.001	0.616	0
1985	RSALSCST	3	9.063	26.092	5.758	0.136	0.03	10.49	2.315	1.744	0.385	2.777	0.613
1985	SO-CST-Q	17	14258.3	66505.1	9.329	1628.52	0.228	11909.3	1.671	16523.1	2.318	1707.75	0.24
1985	OTHER	31	26086.6	9896.14	0.759	2747.51	0.211	7545.94	0.579	2751.1	0.211	1964.79	0.151
1985	S.CENTRL	9	17081.3	974.325	0.114	21.765	0.003	1784.73	0.209	182.826	0.021	163.238	0.019
1985	N.CENTRL	8	9080.07	1953.24	0.43	32.976	0.007	2607.01	0.574	269.013	0.059	246.699	0.054
1985	N. COAST	19	6385.31	114.635	0.036	632.909	0.198	58.472	0.018	40.575	0.013	91.189	0.029
1985	SACRAMTO	17	2098.28	192.393	0.183	8.91	0.008	70.565	0.067	36.042	0.034	66.999	0.064
1985	SANDIEGO	34	2885.86	1856.95	1.287	23.875	0.017	1058.32	0.733	104.873	0.073	90.565	0.063
1986	SO-CST-I	14	2414.92	828.754	0.686	14.984	0.012	1144.97	0.948	129.851	0.108	106.411	0.088
1986	SAN FRAN	27	12149.7	4802.69	0.791	133.211	0.022	4370.84	0.719	478.196	0.079	452.854	0.075
1986	SO-CST-C	39	34584	2852.23	0.165	230.147	0.013	6477.48	0.375	1087.02	0.063	729.977	0.042
1986	VENTURA	7	9151.97	3511.27	0.767	71.944	0.016	3946.18	0.862	1419.46	0.31	400.938	0.088
1986	DESERT	25	18677.9	7038.91	0.754	388.235	0.042	3663.23	0.392	1423.92	0.152	434.106	0.046
1986	SAN JOAQ	8	5695.31	8.767	0.003	0.039	0	4.326	0.002	1.652	0.001	0.511	0
1986	RSALSCST	3	7.165	22.423	6.259	0.117	0.033	8.896	2.483	1.349	0.376	2.419	0.675
1986	SO-CST-Q	17	14258.3	66505.1	9.329	1628.52	0.228	11909.3	1.671	16523.1	2.318	1707.75	0.24
1986	OTHER	31	26081.6	9893.54	0.759	2747.47	0.211	7544.36	0.579	2750.28	0.211	1964.34	0.151
1986	S.CENTRL	9	16940.2	947.934	0.112	21.102	0.002	1730.33	0.204	177.253	0.021	158.261	0.019
1986	N.CENTRL	8	8802.29	1878.36	0.427	31.897	0.007	2524.62	0.574	260.449	0.059	238.642	0.054
1986	N. COAST	19	6260.29	114.881	0.037	616.775	0.197	58.181	0.019	40.131	0.013	90.798	0.029
1986	SACRAMTO	17	2027.93	183.178	0.181	8.568	0.008	66.621	0.066	34.083	0.034	64.741	0.064
1986	SANDIEGO	34	2662.76	1709.04	1.284	22.106	0.017	932.857	0.701	90.648	0.068	78.955	0.059
1987	SO-CST-I	14	2886.4	1033.72	0.716	17.886	0.012	1369.28	0.949	155.341	0.108	127.157	0.088
1987	SAN FRAN	27	12877.8	5127.39	0.796	150.99	0.023	4644.19	0.721	509.812	0.079	478.991	0.074
1987	SO-CST-C	39	36334.8	3205.47	0.176	240.335	0.013	7118.22	0.392	1204.41	0.066	790.592	0.044
1987	VENTURA	7	9792.42	3539.92	0.723	75.382	0.015	4176.49	0.853	1443.69	0.295	422.571	0.086
1987	DESERT	25	18882.6	7153.57	0.758	389.598	0.041	3742.09	0.396	1445.46	0.153	441.089	0.047
1987	SAN JOAQ	8	5698.95	14.78	0.005	0.066	0	7.234	0.003	2.762	0.001	0.855	0
1987	RSALSCST	3	10.605	29.691	5.6	0.154	0.029	11.998	2.263	2.045	0.386	3.151	0.594
1987	SO-CST-Q	17	14258.3	66505.1	9.329	1628.52	0.228	11909.3	1.671	16523.1	2.318	1707.75	0.24
1987	OTHER	31	26095.4	9899.36	0.759	2747.58	0.211	7548.3	0.579	2752.63	0.211	1965.62	0.151
1987	S.CENTRL	9	17148.3	995.905	0.116	22.089	0.003	1811.32	0.211	185.55	0.022	165.67	0.019
1987	N.CENTRL	8	9187	1991.62	0.434	33.449	0.007	2645.5	0.576	272.961	0.059	250.238	0.054
1987	N. COAST	19	6408.06	116.655	0.036	637.27	0.199	59.711	0.019	40.76	0.013	91.364	0.029

Table G-22 Base Case 2000 Regional Emissions

HydroYear	Basin Name	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/mwh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1987	SACRAMTO	17	2136.6	201.92	0.189	9.106	0.009	76.071	0.071	38.362	0.036	68.507	0.064
1987	SANDIEGO	34	2994.75	1934.57	1.292	25.224	0.017	1121.35	0.749	114.256	0.076	96.613	0.065
1988	SO-CST-I	14	2975.26	1070.23	0.719	18.394	0.012	1410.07	0.948	159.765	0.107	130.897	0.088
1988	SAN FRAN	27	13000.6	5196.9	0.799	155.093	0.024	4692.26	0.722	515.707	0.079	483.723	0.074
1988	SO-CST-C	39	36601.3	3252.3	0.178	241.779	0.013	7205.65	0.394	1221.73	0.067	798.835	0.044
1988	VENTURA	7	9880.66	3544.47	0.717	76.077	0.015	4205.35	0.851	1446.93	0.293	425.523	0.086
1988	DESERT	25	18898.9	7163.08	0.758	389.696	0.041	3749.66	0.397	1446.44	0.153	441.778	0.047
1988	SAN JOAQ	8	5699.35	15.531	0.005	0.069	0	7.576	0.003	2.893	0.001	0.895	0
1988	RSALSCST	3	11.582	32.565	5.624	0.169	0.029	13.132	2.268	2.231	0.385	3.453	0.596
1988	SO-CST-Q	17	14258.3	66505.1	9.329	1628.52	0.228	11909.3	1.671	16523.1	2.318	1707.75	0.24
1988	OTHER	31	26099.2	9899.56	0.759	2747.61	0.211	7548.83	0.578	2753.08	0.211	1965.87	0.151
1988	S.CENTRL	9	17166.5	1004.29	0.117	22.179	0.003	1818.72	0.212	186.308	0.022	166.346	0.019
1988	N.CENTRL	8	9207.45	2001.27	0.435	33.54	0.007	2652.73	0.576	273.706	0.059	250.921	0.055
1988	N. COAST	19	6421.98	117.21	0.037	639.699	0.199	59.87	0.019	40.812	0.013	91.418	0.028
1988	SACRAMTO	17	2147.59	203.443	0.189	9.156	0.009	76.842	0.072	38.719	0.036	68.847	0.064
1988	SANDIEGO	34	3018.48	1952.26	1.294	26.019	0.017	1135.05	0.752	116.47	0.077	97.988	0.065
1989	SO-CST-I	14	2724.47	958.606	0.704	16.848	0.012	1289.55	0.947	146.156	0.107	119.778	0.088
1989	SAN FRAN	27	12663.7	5028.9	0.794	144.964	0.023	4561.72	0.72	500.057	0.079	471.088	0.074
1989	SO-CST-C	39	35833.8	3104.48	0.173	237.505	0.013	6937.92	0.387	1173.09	0.065	773.52	0.043
1989	VENTURA	7	9600.93	3526.03	0.735	74.085	0.015	4104.98	0.855	1436.02	0.299	415.644	0.087
1989	DESERT	25	18835.4	7128.12	0.757	389.282	0.041	3725.57	0.396	1439.96	0.153	439.643	0.047
1989	SAN JOAQ	8	5697.32	12.266	0.004	0.054	0	5.956	0.002	2.274	0.001	0.704	0
1989	RSALSCST	3	9.671	26.866	5.556	0.14	0.029	10.885	2.251	1.874	0.388	2.85	0.589
1989	SO-CST-Q	17	14258.3	66505.1	9.329	1628.52	0.228	11909.3	1.671	16523.1	2.318	1707.75	0.24
1989	OTHER	31	26091.1	9898.08	0.759	2747.55	0.211	7547.3	0.579	2751.99	0.211	1965.26	0.151
1989	S.CENTRL	9	17070	978.593	0.115	21.722	0.003	1781.23	0.209	182.468	0.021	162.918	0.019
1989	N.CENTRL	8	9028.39	1946.74	0.431	32.803	0.007	2594.08	0.575	267.662	0.059	245.404	0.054
1989	N. COAST	19	6358.75	116.785	0.037	630.02	0.198	59.635	0.019	40.583	0.013	91.213	0.029
1989	SACRAMTO	17	2102.42	196.691	0.187	8.936	0.009	73.589	0.07	37.196	0.035	67.352	0.064
1989	SANDIEGO	34	2904.56	1877.86	1.293	24.176	0.017	1072.32	0.738	108.062	0.074	91.997	0.063
1990	SO-CST-I	14	2979.08	1053.94	0.708	18.31	0.012	1403.89	0.942	158.996	0.107	130.32	0.087
1990	SAN FRAN	27	13017.2	5200.77	0.799	156.117	0.024	4696.9	0.722	516.441	0.079	484.216	0.074
1990	SO-CST-C	39	36662	3279.91	0.179	242.337	0.013	7247.45	0.395	1227.93	0.067	802.64	0.044
1990	VENTURA	7	9878.1	3544.19	0.718	75.806	0.015	4207.05	0.852	1446.9	0.293	425.411	0.086
1990	DESERT	25	18903.2	7164.6	0.758	389.721	0.041	3750.88	0.397	1447.01	0.153	441.883	0.047
1990	SAN JOAQ	8	5699.39	15.519	0.005	0.069	0	7.612	0.003	2.906	0.001	0.9	0

Table G-22 Base Case 2000 Regional Emissions

HydroYear	Basin Name	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/mwh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1990	RSALSCST	3	11.427	31.733	5.554	0.165	0.029	12.831	2.246	2.217	0.388	3.355	0.587
1990	SO-CST-Q	17	14258.3	66505.1	9.329	1628.52	0.228	11909.3	1.671	16523.1	2.318	1707.75	0.24
1990	OTHER	31	26099.8	9900.59	0.759	2747.62	0.211	7549.29	0.578	2753.29	0.211	1965.98	0.151
1990	S.CENTRL	9	17163.7	1002.64	0.117	22.168	0.003	1817.78	0.212	186.212	0.022	166.261	0.019
1990	N.CENTRL	8	9194.1	2005.51	0.436	33.493	0.007	2649.41	0.576	273.355	0.059	250.573	0.055
1990	N. COAST	19	6430.13	119.296	0.037	640.402	0.199	60.85	0.019	40.94	0.013	91.528	0.028
1990	SACRAMTO	17	2144.82	204.039	0.19	9.146	0.009	77.201	0.072	38.837	0.036	68.812	0.064
1990	SANDIEGO	34	3009.65	1943.71	1.292	26.202	0.017	1129.25	0.75	116.445	0.077	97.529	0.065
1991	SO-CST-I	14	2943.82	1044.83	0.71	18.126	0.012	1390.38	0.945	157.3	0.107	129.06	0.088
1991	SAN FRAN	27	13004.9	5183.49	0.797	155.565	0.024	4689.12	0.721	515.535	0.079	483.44	0.074
1991	SO-CST-C	39	36563.9	3250.16	0.178	241.707	0.013	7201.03	0.394	1222.7	0.067	798.228	0.044
1991	VENTURA	7	9843.55	3538.01	0.719	75.387	0.015	4192.21	0.852	1445.18	0.294	423.838	0.086
1991	DESERT	25	18891.3	7156.49	0.758	389.638	0.041	3745.55	0.397	1445.77	0.153	441.406	0.047
1991	SAN JOAQ	8	5698.33	14	0.005	0.061	0	6.746	0.002	2.576	0.001	0.797	0
1991	RSALSCST	3	11.058	31.965	5.781	0.166	0.03	12.834	2.321	2.14	0.387	3.393	0.614
1991	SO-CST-Q	17	14258.3	66505.1	9.329	1628.52	0.228	11909.3	1.671	16523.1	2.318	1707.75	0.24
1991	OTHER	31	26095.8	9899.76	0.759	2747.59	0.211	7548.44	0.579	2752.67	0.211	1965.67	0.151
1991	S.CENTRL	9	17163.5	998.677	0.116	22.167	0.003	1817.71	0.212	186.205	0.022	166.254	0.019
1991	N.CENTRL	8	9181.37	1990.29	0.434	33.434	0.007	2644.83	0.576	272.881	0.059	250.131	0.054
1991	N. COAST	19	6426.39	117.577	0.037	639.795	0.199	60.265	0.019	40.863	0.013	91.466	0.028
1991	SACRAMTO	17	2147.49	202.35	0.188	9.159	0.009	75.87	0.071	38.366	0.036	68.804	0.064
1991	SANDIEGO	34	2986.19	1927.82	1.291	25.121	0.017	1117.13	0.748	114.804	0.077	96.31	0.065
1992	SO-CST-I	14	3002.98	1072.2	0.714	18.488	0.012	1416.96	0.944	160.762	0.107	131.529	0.088
1992	SAN FRAN	27	13026.7	5210.44	0.8	158.501	0.024	4699.57	0.722	517.466	0.079	484.652	0.074
1992	SO-CST-C	39	36676.7	3264.89	0.178	242.093	0.013	7226.05	0.394	1225.08	0.067	800.796	0.044
1992	VENTURA	7	9899.72	3547.52	0.717	76.185	0.015	4214.07	0.851	1447.85	0.293	426.321	0.086
1992	DESERT	25	18913.8	7171.63	0.758	389.801	0.041	3754.9	0.397	1448.42	0.153	442.233	0.047
1992	SAN JOAQ	8	5700.56	16.66	0.006	0.076	0	8.414	0.003	3.212	0.001	0.994	0
1992	RSALSCST	3	12.248	34.847	5.69	0.181	0.03	14.017	2.289	2.356	0.385	3.697	0.604
1992	SO-CST-Q	17	14258.3	66505.1	9.329	1628.52	0.228	11909.3	1.671	16523.1	2.318	1707.75	0.24
1992	OTHER	31	26102.7	9900.4	0.759	2747.63	0.211	7549.63	0.578	2753.63	0.211	1966.17	0.151
1992	S.CENTRL	9	17179.6	1010.39	0.118	22.244	0.003	1823.99	0.212	186.848	0.022	166.828	0.019
1992	N.CENTRL	8	9223.16	2008.49	0.436	33.619	0.007	2659.76	0.577	274.416	0.06	251.522	0.055
1992	N. COAST	19	6429.04	118.128	0.037	640.505	0.199	60.455	0.019	40.888	0.013	91.49	0.028
1992	SACRAMTO	17	2152.22	205.24	0.191	9.175	0.009	77.96	0.072	39.159	0.036	69.031	0.064
1992	SANDIEGO	34	3024.19	1955.82	1.293	26.307	0.017	1139.37	0.754	118.655	0.078	98.539	0.065

Table G-22 Base Case 2000 Regional Emissions

HydroYear	Basin Name	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/mwh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1993	SO-CST-I	14	2440.29	848.958	0.696	15.187	0.012	1161.75	0.952	131.48	0.108	107.948	0.088
1993	SAN FRAN	27	12190.8	4812.27	0.789	133.413	0.022	4378.92	0.718	479.047	0.079	453.712	0.074
1993	SO-CST-C	39	34654.8	2853.65	0.165	230.413	0.013	6495.32	0.375	1089.77	0.063	731.641	0.042
1993	VENTURA	7	9171.37	3509.26	0.765	71.865	0.016	3951.46	0.862	1419.87	0.31	401.291	0.088
1993	DESERT	25	18705.3	7054.06	0.754	388.432	0.042	3673.22	0.393	1427.38	0.153	434.978	0.047
1993	SAN JOAQ	8	5695.04	8.268	0.003	0.037	0	4.079	0.001	1.557	0.001	0.482	0
1993	RSALSCST	3	6.941	21.559	6.212	0.113	0.032	8.547	2.463	1.303	0.375	2.321	0.669
1993	SO-CST-Q	17	14258.3	66505.1	9.329	1628.52	0.228	11909.3	1.671	16523.1	2.318	1707.75	0.24
1993	OTHER	31	26080.6	9893.18	0.759	2747.47	0.211	7544.06	0.579	2750.1	0.211	1964.25	0.151
1993	S.CENTRL	9	16947.1	948.736	0.112	21.137	0.002	1733.2	0.205	177.548	0.021	158.525	0.019
1993	N.CENTRL	8	8813	1883.49	0.427	31.916	0.007	2523.36	0.573	260.377	0.059	238.767	0.054
1993	N. COAST	19	6290.61	115.083	0.037	621.232	0.198	58.595	0.019	40.266	0.013	90.924	0.029
1993	SACRAMTO	17	2038.5	183.346	0.18	8.617	0.008	66.301	0.065	34.037	0.033	65.004	0.064
1993	SANDIEGO	34	2705.39	1736.25	1.284	21.953	0.016	956.393	0.707	92.803	0.069	81.049	0.06
1994	SO-CST-I	14	2960.5	1064.93	0.719	18.326	0.012	1405.17	0.949	159.057	0.107	130.444	0.088
1994	SAN FRAN	27	13014	5184.23	0.797	153.078	0.024	4693.91	0.721	515.225	0.079	483.703	0.074
1994	SO-CST-C	39	36543.5	3233.87	0.177	241.463	0.013	7190.5	0.394	1217.44	0.067	797.357	0.044
1994	VENTURA	7	9850.57	3541.95	0.719	75.557	0.015	4197.57	0.852	1445.82	0.294	424.423	0.086
1994	DESERT	25	18892.2	7157.5	0.758	389.648	0.041	3745.87	0.397	1446.03	0.153	441.432	0.047
1994	SAN JOAQ	8	5698.68	14.556	0.005	0.064	0	7.061	0.002	2.696	0.001	0.835	0
1994	RSALSCST	3	11.058	29.677	5.367	0.154	0.028	12.076	2.184	2.146	0.388	3.128	0.566
1994	SO-CST-Q	17	14258.3	66505.1	9.329	1628.52	0.228	11909.3	1.671	16523.1	2.318	1707.75	0.24
1994	OTHER	31	26096.9	9899.28	0.759	2747.59	0.211	7548.45	0.578	2752.79	0.211	1965.7	0.151
1994	S.CENTRL	9	17166.2	1000.1	0.117	22.177	0.003	1818.48	0.212	186.284	0.022	166.325	0.019
1994	N.CENTRL	8	9205.99	1996.78	0.434	33.528	0.007	2651.83	0.576	273.612	0.059	250.83	0.054
1994	N. COAST	19	6429.87	117.102	0.036	640.785	0.199	60.05	0.019	40.856	0.013	91.457	0.028
1994	SACRAMTO	17	2147.18	203.112	0.189	9.159	0.009	76.446	0.071	38.578	0.036	68.841	0.064
1994	SANDIEGO	34	3023.77	1955.74	1.294	25.801	0.017	1137.38	0.752	115.923	0.077	98.112	0.065
1995	SO-CST-I	14	2305.14	808.062	0.701	14.408	0.013	1099.91	0.954	124.726	0.108	102.26	0.089
1995	SAN FRAN	27	11910.8	4702.24	0.79	129.185	0.022	4277.6	0.718	467.989	0.079	444.01	0.075
1995	SO-CST-C	39	34136.6	2774.32	0.163	227.597	0.013	6318.38	0.37	1055.12	0.062	714.97	0.042
1995	VENTURA	7	8908.63	3490.89	0.784	70.317	0.016	3852.15	0.865	1409.45	0.316	391.9	0.088
1995	DESERT	25	18621.9	7005.83	0.752	387.83	0.042	3641.74	0.391	1416.75	0.152	432.225	0.046
1995	SAN JOAQ	8	5693.84	6.652	0.002	0.029	0	3.216	0.001	1.228	0	0.38	0
1995	RSALSCST	3	6.11	18.021	5.898	0.094	0.031	7.218	2.362	1.154	0.378	1.934	0.633
1995	SO-CST-Q	17	14258.3	66505.1	9.329	1628.52	0.228	11909.3	1.671	16523.1	2.318	1707.75	0.24



Table G-22 Base Case 2000 Regional Emissions

HydroYear	Basin Name	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/mwh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1995	OTHER	31	26078.1	9891.46	0.759	2747.44	0.211	7543.22	0.579	2749.68	0.211	1964.01	0.151
1995	S.CENTRL	9	16848.2	930.16	0.11	20.671	0.002	1695.04	0.201	173.638	0.021	155.034	0.018
1995	N.CENTRL	8	8633.41	1836.81	0.426	31.235	0.007	2472.85	0.573	255.096	0.059	233.694	0.054
1995	N. COAST	19	6205.36	114.379	0.037	610.114	0.197	57.823	0.019	39.919	0.013	90.607	0.029
1995	SACRAMTO	17	2004.31	179.034	0.179	8.452	0.008	64.456	0.064	33.111	0.033	63.916	0.064
1995	SANDIEGO	34	2663.31	1708.86	1.283	21.683	0.016	933.525	0.701	89.672	0.067	78.896	0.059
1996	SO-CST-I	14	2386.49	822.029	0.689	14.81	0.012	1129.29	0.946	128.379	0.108	105.01	0.088
1996	SAN FRAN	27	12114.1	4793.37	0.791	133.633	0.022	4355.63	0.719	476.852	0.079	451.561	0.075
1996	SO-CST-C	39	34528.3	2846.34	0.165	229.786	0.013	6450.19	0.374	1082.94	0.063	727.473	0.042
1996	VENTURA	7	9086.58	3508.96	0.772	71.758	0.016	3923.25	0.864	1417.15	0.312	398.928	0.088
1996	DESERT	25	18674.5	7036.32	0.754	388.199	0.042	3662.76	0.392	1422.77	0.152	434.082	0.046
1996	SAN JOAQ	8	5694.9	8.075	0.003	0.036	0	3.982	0.001	1.52	0.001	0.471	0
1996	RSALSCST	3	6.975	22.197	6.365	0.116	0.033	8.782	2.518	1.301	0.373	2.403	0.689
1996	SO-CST-Q	17	14258.3	66505.1	9.329	1628.52	0.228	11909.3	1.671	16523.1	2.318	1707.75	0.24
1996	OTHER	31	26081.6	9893.08	0.759	2747.47	0.211	7544.2	0.579	2750.21	0.211	1964.31	0.151
1996	S.CENTRL	9	16908.1	942.806	0.112	20.952	0.002	1718.06	0.203	175.996	0.021	157.139	0.019
1996	N.CENTRL	8	8745.71	1861.75	0.426	31.642	0.007	2502.79	0.572	258.231	0.059	236.721	0.054
1996	N. COAST	19	6237.51	113.875	0.037	613.899	0.197	57.567	0.018	39.988	0.013	90.677	0.029
1996	SACRAMTO	17	2028.35	183.247	0.181	8.571	0.008	66.663	0.066	34.102	0.034	64.759	0.064
1996	SANDIEGO	34	2703.59	1733.89	1.283	22.377	0.017	954.813	0.706	92.768	0.069	80.962	0.06
1997	SO-CST-I	14	2360.94	806.011	0.683	14.653	0.012	1117.46	0.947	127.108	0.108	103.899	0.088
1997	SAN FRAN	27	12059.3	4764.44	0.79	133.416	0.022	4334.02	0.719	474.711	0.079	449.575	0.075
1997	SO-CST-C	39	34578.2	2836.48	0.164	229.882	0.013	6445.59	0.373	1085	0.063	727.463	0.042
1997	VENTURA	7	9174.2	3511.44	0.766	72.135	0.016	3954.12	0.862	1420.34	0.31	401.751	0.088
1997	DESERT	25	18689.7	7048.99	0.754	388.356	0.042	3669.22	0.393	1426.1	0.153	434.627	0.047
1997	SAN JOAQ	8	5695.11	8.541	0.003	0.038	0	4.185	0.001	1.598	0.001	0.495	0
1997	RSALSCST	3	7.081	22.3	6.299	0.117	0.033	8.824	2.492	1.318	0.372	2.41	0.681
1997	SO-CST-Q	17	14258.3	66505.1	9.329	1628.52	0.228	11909.3	1.671	16523.1	2.318	1707.75	0.24
1997	OTHER	31	26081	9893.87	0.759	2747.47	0.211	7544.39	0.579	2750.18	0.211	1964.29	0.151
1997	S.CENTRL	9	16904	940.745	0.111	20.926	0.002	1715.92	0.203	175.777	0.021	156.944	0.019
1997	N.CENTRL	8	8767.73	1865.23	0.425	31.764	0.007	2515.17	0.574	259.453	0.059	237.658	0.054
1997	N. COAST	19	6268.85	112.079	0.036	616.027	0.197	56.758	0.018	40.018	0.013	90.698	0.029
1997	SACRAMTO	17	2032.41	184.322	0.181	8.591	0.008	67.348	0.066	34.384	0.034	64.919	0.064
1997	SANDIEGO	34	2677.18	1715.34	1.281	22.04	0.016	939.537	0.702	91.133	0.068	79.544	0.059
1998	SO-CST-I	14	2326.91	820.475	0.705	14.607	0.013	1116.02	0.959	126.356	0.109	103.744	0.089
1998	SAN FRAN	27	12020.1	4743.42	0.789	130.3	0.022	4318.5	0.719	472.202	0.079	447.787	0.075

**Table G-22 Base Case 2000 Regional Emissions**

HydroYear	Basin Name	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/mwh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1998	SO-CST-C	39	34345.7	2812.81	0.164	229.021	0.013	6412.18	0.373	1072.31	0.062	723.688	0.042
1998	VENTURA	7	9020.09	3492.74	0.774	70.77	0.016	3889.72	0.862	1413.29	0.313	395.332	0.088
1998	DESERT	25	18667.6	7029.66	0.753	388.117	0.042	3658.9	0.392	1421.12	0.152	433.75	0.046
1998	SAN JOAQ	8	5693.86	6.715	0.002	0.029	0	3.238	0.001	1.236	0	0.383	0
1998	RSALSCST	3	5.968	17.715	5.937	0.093	0.031	7.084	2.374	1.128	0.378	1.9	0.637
1998	SO-CST-Q	17	14258.3	66505.1	9.329	1628.52	0.228	11909.3	1.671	16523.1	2.318	1707.75	0.24
1998	OTHER	31	26077.9	9891.72	0.759	2747.44	0.211	7543.29	0.579	2749.65	0.211	1964	0.151
1998	S.CENTRL	9	16882.6	933.481	0.111	20.829	0.002	1707.99	0.202	174.965	0.021	156.219	0.019
1998	N.CENTRL	8	8717.62	1855.86	0.426	31.558	0.007	2498.48	0.573	257.739	0.059	236.114	0.054
1998	N. COAST	19	6251.71	113.688	0.036	615.605	0.197	57.677	0.018	40.051	0.013	90.73	0.029
1998	SACRAMTO	17	2019.44	181.006	0.179	8.529	0.008	65.15	0.065	33.483	0.033	64.417	0.064
1998	SANDIEGO	34	2697.55	1735.68	1.287	21.893	0.016	953.46	0.707	91.358	0.068	80.688	0.06

Table G-23 Settlement Case 2005 Regional Emissions

HydroYear	Basin Name	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1975	SO-CST-I	16	-0.317	0	0	0	0	0	0	0	0	0	0
1975	SAN FRAN	30	24098.8	1314.96	0.109	232.039	0.019	1740.01	0.144	286.957	0.024	478.742	0.04
1975	SO-CST-C	45	30942.3	1088.31	0.07	276.774	0.018	1665.28	0.108	406.819	0.026	412.906	0.027
1975	VENTURA	7	465.562	2997.79	12.878	27.801	0.119	490.493	2.107	1063.62	4.569	83.062	0.357
1975	DESERT	31	24386	5449.89	0.447	444.193	0.036	3190.57	0.262	1022.74	0.084	488.13	0.04
1975	SAN JOAQ	21	29184.5	826.958	0.057	242.672	0.017	1278.06	0.088	218.408	0.015	451.752	0.031
1975	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1975	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1975	OTHER	24	25993.1	9921.78	0.763	2763.8	0.213	7579.55	0.583	2762.1	0.213	1971.27	0.152
1975	S.CENTRL	9	15569	265.314	0.034	5.018	0.001	411.515	0.053	42.155	0.005	37.639	0.005
1975	N.CENTRL	14	15262.6	665.039	0.087	127.353	0.017	1279.94	0.168	260.975	0.034	273.45	0.036
1975	N. COAST	19	4293.93	117.892	0.055	368.475	0.172	51.346	0.024	32.921	0.015	84.449	0.039
1975	SACRAMTO	19	5370.15	268.856	0.1	45.191	0.017	163.397	0.061	86.511	0.032	109.46	0.041
1975	SANDIEGO	36	4287.46	1215.61	0.567	43.165	0.02	568.194	0.265	54.853	0.026	81.048	0.038
1976	SO-CST-I	16	-0.143	0	0	0	0	0	0	0	0	0	0
1976	SAN FRAN	30	25316.5	1418.38	0.112	245.783	0.019	2035.65	0.161	321.023	0.025	515.521	0.041
1976	SO-CST-C	45	31673.9	1115.82	0.07	282.448	0.018	1766.99	0.112	421.075	0.027	431.208	0.027
1976	VENTURA	7	641.124	3019.89	9.421	28.885	0.09	579.347	1.807	1072.72	3.346	91.189	0.284
1976	DESERT	31	24929.5	5692.08	0.457	449.642	0.036	3336.59	0.268	1091.8	0.088	503.896	0.04
1976	SAN JOAQ	21	29830.1	843.921	0.057	248.569	0.017	1299.57	0.087	223.573	0.015	462.643	0.031
1976	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1976	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1976	OTHER	24	25993.1	9924.63	0.764	2763.81	0.213	7580.28	0.583	2762.18	0.213	1971.36	0.152
1976	S.CENTRL	9	15868.7	353.759	0.045	6.764	0.001	554.663	0.07	56.819	0.007	50.731	0.006
1976	N.CENTRL	14	15917.1	715.96	0.09	131.526	0.017	1463.97	0.184	282.329	0.035	293.245	0.037
1976	N. COAST	19	4606.87	118.38	0.051	411.581	0.179	51.47	0.022	34.203	0.015	85.384	0.037
1976	SACRAMTO	19	5513.21	280.057	0.102	46.204	0.017	167.551	0.061	89.029	0.032	113.292	0.041
1976	SANDIEGO	36	4523.42	1219.02	0.539	45.182	0.02	571.499	0.253	56.391	0.025	84.607	0.037
1977	SO-CST-I	16	0.338	0.356	2.101	0.007	0.043	0.592	3.497	0.061	0.358	0.054	0.32
1977	SAN FRAN	30	25586.9	1447.2	0.113	249.129	0.019	2114.56	0.165	329.613	0.026	524.489	0.041
1977	SO-CST-C	45	31926.1	1130.73	0.071	284.087	0.018	1841.27	0.115	429.594	0.027	439.451	0.028
1977	VENTURA	7	660.485	3023.53	9.155	29.008	0.088	589.467	1.785	1073.75	3.251	92.114	0.279
1977	DESERT	31	25126.1	5766.11	0.459	451.52	0.036	3383.32	0.269	1112.98	0.089	509.062	0.041
1977	SAN JOAQ	21	29868.2	847.239	0.057	249.093	0.017	1305.76	0.087	224.114	0.015	463.661	0.031
1977	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0

Table G-23 Settlement Case 2005 Regional Emissions

HydroYear	Basin Name	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1977	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1977	OTHER	24	25993.1	9924.99	0.764	2763.82	0.213	7580.37	0.583	2762.19	0.213	1971.37	0.152
1977	S.CENTRL	9	15948.8	390.283	0.049	7.28	0.001	596.931	0.075	61.149	0.008	54.597	0.007
1977	N.CENTRL	14	16048.8	731.771	0.091	132.332	0.016	1511.76	0.188	287.345	0.036	297.959	0.037
1977	N. COAST	19	4706.07	119.099	0.051	426.019	0.181	51.652	0.022	34.644	0.015	85.694	0.036
1977	SACRAMTO	19	5537.07	281.839	0.102	46.375	0.017	168.239	0.061	89.44	0.032	113.899	0.041
1977	SANDIEGO	36	4533.81	1220.86	0.539	45.374	0.02	575.477	0.254	56.672	0.025	85.041	0.038
1978	SO-CST-I	16	-0.137	0	0	0	0	0	0	0	0	0	0
1978	SAN FRAN	30	24028.4	1310.65	0.109	231.642	0.019	1742.22	0.145	286.307	0.024	477.867	0.04
1978	SO-CST-C	45	30964.6	1089.89	0.07	277.118	0.018	1672.24	0.108	407.693	0.026	413.946	0.027
1978	VENTURA	7	477.728	2999.2	12.556	27.877	0.117	496.738	2.08	1064.26	4.455	83.633	0.35
1978	DESERT	31	24363.3	5451.25	0.447	444.061	0.036	3192.01	0.262	1022.82	0.084	487.916	0.04
1978	SAN JOAQ	21	28971.4	825.861	0.057	241.179	0.017	1279.98	0.088	217.245	0.015	449.085	0.031
1978	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1978	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1978	OTHER	24	25993.1	9921.95	0.763	2763.81	0.213	7579.6	0.583	2762.11	0.213	1971.28	0.152
1978	S.CENTRL	9	15603.6	260.721	0.033	5.141	0.001	421.573	0.054	43.186	0.006	38.559	0.005
1978	N.CENTRL	14	15246.6	668.812	0.088	127.197	0.017	1291.79	0.169	261.775	0.034	274.026	0.036
1978	N. COAST	19	4295.06	119.189	0.056	369.882	0.172	51.675	0.024	33.005	0.015	84.484	0.039
1978	SACRAMTO	19	5360.29	268.322	0.1	45.106	0.017	163.11	0.061	86.341	0.032	109.244	0.041
1978	SANDIEGO	36	4299.27	1216.78	0.566	43.357	0.02	570.664	0.265	55.05	0.026	81.42	0.038
1979	SO-CST-I	16	-0.146	0	0	0	0	0	0	0	0	0	0
1979	SAN FRAN	30	24694.5	1351.67	0.109	238.044	0.019	1844.83	0.149	300.236	0.024	494.091	0.04
1979	SO-CST-C	45	31304.7	1096.21	0.07	279.687	0.018	1706.6	0.109	412.761	0.026	421.06	0.027
1979	VENTURA	7	491.499	3003.94	12.224	28.007	0.114	507.367	2.065	1065.34	4.335	84.605	0.344
1979	DESERT	31	24690	5519.51	0.447	446.869	0.036	3235.55	0.262	1043.37	0.085	494.596	0.04
1979	SAN JOAQ	21	29477.1	832.141	0.056	245.086	0.017	1282.61	0.087	220.442	0.015	456.161	0.031
1979	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1979	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1979	OTHER	24	25993.1	9922.75	0.763	2763.81	0.213	7579.8	0.583	2762.13	0.213	1971.3	0.152
1979	S.CENTRL	9	15687.8	288.67	0.037	5.628	0.001	461.53	0.059	47.279	0.006	42.213	0.005
1979	N.CENTRL	14	15535.7	678.373	0.087	128.973	0.017	1344.38	0.173	268.724	0.035	280.624	0.036
1979	N. COAST	19	4394.1	116.608	0.053	383.182	0.174	51.021	0.023	33.243	0.015	84.714	0.039
1979	SACRAMTO	19	5435.86	274.181	0.101	45.607	0.017	165.194	0.061	87.633	0.032	111.279	0.041
1979	SANDIEGO	36	4418.88	1217	0.551	44.231	0.02	568.124	0.257	55.656	0.025	82.927	0.038
1980	SO-CST-I	16	-0.186	0	0	0	0	0	0	0	0	0	0
1980	SAN FRAN	30	24031.2	1307.96	0.109	231.673	0.019	1735.56	0.144	285.931	0.024	477.525	0.04

Table G-23 Settlement Case 2005 Regional Emissions

HydroYear	Basin Name	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1980	SO-CST-C	45	30986	1091.53	0.07	277.25	0.018	1681.08	0.109	408.248	0.026	414.411	0.027
1980	VENTURA	7	468.994	2998.74	12.788	27.829	0.119	492.749	2.101	1063.85	4.537	83.268	0.355
1980	DESERT	31	24389.2	5437.64	0.446	444.136	0.036	3183.75	0.261	1019.35	0.084	487.705	0.04
1980	SAN JOAQ	21	29004.1	826.677	0.057	241.46	0.017	1281.07	0.088	217.492	0.015	449.605	0.031
1980	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1980	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1980	OTHER	24	25993.1	9921.55	0.763	2763.81	0.213	7579.5	0.583	2762.1	0.213	1971.26	0.152
1980	S.CENTRL	9	15592.3	248.362	0.032	5.051	0.001	414.164	0.053	42.427	0.005	37.881	0.005
1980	N.CENTRL	14	15236	665.284	0.087	127.079	0.017	1286.22	0.169	261.146	0.034	273.425	0.036
1980	N. COAST	19	4279.82	116.646	0.055	367.498	0.172	51.031	0.024	32.788	0.015	84.378	0.039
1980	SACRAMTO	19	5358.42	268.048	0.1	45.078	0.017	162.994	0.061	86.282	0.032	109.172	0.041
1980	SANDIEGO	36	4318.8	1215.82	0.563	43.443	0.02	569.07	0.264	55.119	0.026	81.58	0.038
1981	SO-CST-I	16	-0.12	0	0	0	0	0	0	0	0	0	0
1981	SAN FRAN	30	24859.6	1373.75	0.111	240.189	0.019	1892.33	0.152	305.237	0.025	499.622	0.04
1981	SO-CST-C	45	31348.4	1102.85	0.07	280.117	0.018	1720.99	0.11	414.284	0.026	422.997	0.027
1981	VENTURA	7	560.898	3011.47	10.738	28.416	0.101	540.896	1.929	1068.78	3.811	87.672	0.313
1981	DESERT	31	24748.6	5549.48	0.448	447.624	0.036	3257.39	0.263	1051.48	0.085	496.674	0.04
1981	SAN JOAQ	21	29516.9	836.115	0.057	245.7	0.017	1290.2	0.087	221.081	0.015	457.358	0.031
1981	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1981	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1981	OTHER	24	25993.1	9923.32	0.764	2763.81	0.213	7579.95	0.583	2762.15	0.213	1971.32	0.152
1981	S.CENTRL	9	15723.7	304.638	0.039	5.936	0.001	486.746	0.062	49.862	0.006	44.519	0.006
1981	N.CENTRL	14	15623	689.843	0.088	129.578	0.017	1367.03	0.175	271.517	0.035	283.352	0.036
1981	N. COAST	19	4437.31	120.456	0.054	389.162	0.175	51.996	0.023	33.652	0.015	84.934	0.038
1981	SACRAMTO	19	5466.74	276.703	0.101	45.838	0.017	166.161	0.061	88.189	0.032	112.076	0.041
1981	SANDIEGO	36	4443.38	1217.57	0.548	44.517	0.02	570.983	0.257	55.925	0.025	83.464	0.038
1982	SO-CST-I	16	-0.18	0	0	0	0	0	0	0	0	0	0
1982	SAN FRAN	30	23630.1	1300.41	0.11	228.58	0.019	1717.53	0.145	281.383	0.024	470.976	0.04
1982	SO-CST-C	45	30725.9	1086.45	0.071	275.379	0.018	1661.89	0.108	404.872	0.026	409.469	0.027
1982	VENTURA	7	469.625	2997.18	12.764	27.809	0.118	491.138	2.092	1063.68	4.53	83.121	0.354
1982	DESERT	31	24312.3	5426.76	0.446	443.541	0.036	3176.46	0.261	1015.97	0.084	486.385	0.04
1982	SAN JOAQ	21	28662.2	822.888	0.057	238.847	0.017	1280.18	0.089	215.372	0.015	444.885	0.031
1982	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1982	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1982	OTHER	24	25991.5	9919.7	0.763	2763.4	0.213	7578.28	0.583	2761.71	0.213	1971.02	0.152
1982	S.CENTRL	9	15546.8	247.363	0.032	4.774	0.001	391.501	0.05	40.105	0.005	35.808	0.005
1982	N.CENTRL	14	15137.5	653.902	0.086	126.258	0.017	1258.69	0.166	257.802	0.034	270.311	0.036

Table G-23 Settlement Case 2005 Regional Emissions

HydroYear	Basin Name	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1982	N. COAST	19	4246.08	116.012	0.055	362.382	0.171	50.87	0.024	32.614	0.015	84.263	0.04
1982	SACRAMTO	19	5314.23	264.831	0.1	44.791	0.017	161.839	0.061	85.542	0.032	107.986	0.041
1982	SANDIEGO	36	4193.64	1213.9	0.579	42.416	0.02	567.691	0.271	54.249	0.026	79.699	0.038
1983	SO-CST-I	16	-0.129	0	0	0	0	0	0	0	0	0	0
1983	SAN FRAN	30	23151.3	1285.88	0.111	224.422	0.019	1679.95	0.145	274.817	0.024	461.935	0.04
1983	SO-CST-C	45	30411.5	1080.83	0.071	272.873	0.018	1644.39	0.108	401.306	0.026	403.699	0.027
1983	VENTURA	7	460.19	2996.7	13.024	27.764	0.121	487.4	2.118	1063.3	4.621	82.779	0.36
1983	DESERT	31	24089.5	5410.54	0.449	441.852	0.037	3166.51	0.263	1010.08	0.084	483.003	0.04
1983	SAN JOAQ	21	28242.7	822.797	0.058	236.041	0.017	1288.52	0.091	213.276	0.015	439.927	0.031
1983	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1983	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1983	OTHER	24	25984.3	9913.11	0.763	2761.28	0.213	7572.63	0.583	2759.73	0.212	1969.84	0.152
1983	S.CENTRL	9	15529.4	233.553	0.03	4.673	0.001	383.173	0.049	39.252	0.005	35.046	0.005
1983	N.CENTRL	14	14992.7	644.581	0.086	125.258	0.017	1241.97	0.166	254.875	0.034	267.41	0.036
1983	N. COAST	19	4185.51	113.89	0.054	354.356	0.169	50.332	0.024	32.242	0.015	84.034	0.04
1983	SACRAMTO	19	5270.25	262.247	0.1	44.491	0.017	160.727	0.061	84.87	0.032	107.026	0.041
1983	SANDIEGO	36	4115.07	1216.09	0.591	42.01	0.02	573.672	0.279	54.09	0.026	79.08	0.038
1984	SO-CST-I	16	-0.19	0	0	0	0	0	0	0	0	0	0
1984	SAN FRAN	30	23987.2	1312.47	0.109	231.532	0.019	1745.05	0.145	286.529	0.024	477.625	0.04
1984	SO-CST-C	45	30892.4	1087.6	0.07	276.456	0.018	1667.62	0.108	406.589	0.026	412.205	0.027
1984	VENTURA	7	468.821	2997.93	12.789	27.822	0.119	492.205	2.1	1063.79	4.538	83.218	0.355
1984	DESERT	31	24334.4	5439.48	0.447	443.645	0.036	3181.63	0.261	1019.63	0.084	486.894	0.04
1984	SAN JOAQ	21	28990.2	825.745	0.057	241.279	0.017	1279.59	0.088	217.314	0.015	449.258	0.031
1984	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1984	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1984	OTHER	24	25993.1	9921.94	0.763	2763.81	0.213	7579.6	0.583	2762.11	0.213	1971.27	0.152
1984	S.CENTRL	9	15577.8	253.109	0.032	5.002	0.001	410.156	0.053	42.016	0.005	37.514	0.005
1984	N.CENTRL	14	15229.9	659.134	0.087	127.01	0.017	1271.93	0.167	259.872	0.034	272.295	0.036
1984	N. COAST	19	4277.57	116.044	0.054	367.117	0.172	50.878	0.024	32.742	0.015	84.357	0.039
1984	SACRAMTO	19	5360.99	268.176	0.1	45.09	0.017	163.046	0.061	86.307	0.032	109.203	0.041
1984	SANDIEGO	36	4270.1	1215.12	0.569	43.037	0.02	567.369	0.266	54.697	0.026	80.778	0.038
1985	SO-CST-I	16	-0.171	0	0	0	0	0	0	0	0	0	0
1985	SAN FRAN	30	24848.8	1374.96	0.111	239.972	0.019	1900.67	0.153	306.079	0.025	499.917	0.04
1985	SO-CST-C	45	31428.5	1100.17	0.07	280.548	0.018	1718.75	0.109	414.541	0.026	423.647	0.027
1985	VENTURA	7	501.803	3004.46	11.975	28.059	0.112	511.608	2.039	1065.78	4.248	84.993	0.339
1985	DESERT	31	24790	5567.49	0.449	447.942	0.036	3265.17	0.263	1056.95	0.085	497.714	0.04
1985	SAN JOAQ	21	29556.1	835.452	0.057	245.928	0.017	1287.92	0.087	221.221	0.015	457.742	0.031

Table G-23 Settlement Case 2005 Regional Emissions

HydroYear	Basin Name	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1985	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1985	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1985	OTHER	24	25993.1	9923.48	0.764	2763.81	0.213	7579.99	0.583	2762.15	0.213	1971.32	0.152
1985	S.CENTRL	9	15716.2	309.454	0.039	5.936	0.001	486.716	0.062	49.859	0.006	44.517	0.006
1985	N.CENTRL	14	15611.7	687.81	0.088	129.548	0.017	1362.45	0.175	271.015	0.035	282.91	0.036
1985	N. COAST	19	4473.85	119.203	0.053	394.107	0.176	51.678	0.023	33.721	0.015	85.011	0.038
1985	SACRAMTO	19	5466.51	276.092	0.101	45.841	0.017	166.054	0.061	88.143	0.032	111.979	0.041
1985	SANDIEGO	36	4444.04	1216.42	0.547	44.463	0.02	567.38	0.255	55.725	0.025	83.256	0.037
1986	SO-CST-I	16	-0.159	0	0	0	0	0	0	0	0	0	0
1986	SAN FRAN	30	24032.8	1311.9	0.109	231.714	0.019	1755.83	0.146	287.889	0.024	478.904	0.04
1986	SO-CST-C	45	31067.5	1089.7	0.07	277.868	0.018	1676.21	0.108	408.294	0.026	415.192	0.027
1986	VENTURA	7	470.808	3000.49	12.746	27.866	0.118	495.819	2.106	1064.16	4.521	83.549	0.355
1986	DESERT	31	24444.8	5438.9	0.445	444.472	0.036	3183.96	0.261	1020.09	0.083	488.303	0.04
1986	SAN JOAQ	21	29002.7	827.413	0.057	241.45	0.017	1282.87	0.088	217.518	0.015	449.608	0.031
1986	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1986	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1986	OTHER	24	25992.5	9921.53	0.763	2763.67	0.213	7579.23	0.583	2761.98	0.213	1971.2	0.152
1986	S.CENTRL	9	15590.7	252.659	0.032	5.061	0.001	415.026	0.053	42.515	0.005	37.96	0.005
1986	N.CENTRL	14	15214.3	666.877	0.088	126.911	0.017	1285.68	0.169	260.919	0.034	273.182	0.036
1986	N. COAST	19	4292.58	114.974	0.054	368.027	0.171	50.607	0.024	32.737	0.015	84.375	0.039
1986	SACRAMTO	19	5358.8	268.109	0.1	45.074	0.017	162.988	0.061	86.286	0.032	109.198	0.041
1986	SANDIEGO	36	4285.94	1214.01	0.567	43.132	0.02	566.096	0.264	54.697	0.026	80.894	0.038
1987	SO-CST-I	16	-0.117	0	0	0	0	0	0	0	0	0	0
1987	SAN FRAN	30	25141	1420.83	0.113	244.408	0.019	2023.69	0.161	318.881	0.025	512.51	0.041
1987	SO-CST-C	45	31632.3	1109.21	0.07	282.047	0.018	1743.68	0.11	418.387	0.026	428.641	0.027
1987	VENTURA	7	568.225	3011.21	10.599	28.444	0.1	543.163	1.912	1069.01	3.763	87.879	0.309
1987	DESERT	31	24958.3	5646.32	0.452	449.525	0.036	3311.31	0.265	1079.49	0.087	502.472	0.04
1987	SAN JOAQ	21	29682.1	839.863	0.057	247.215	0.017	1294.23	0.087	222.38	0.015	460.138	0.031
1987	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1987	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1987	OTHER	24	25993.1	9923.79	0.764	2763.81	0.213	7580.06	0.583	2762.16	0.213	1971.33	0.152
1987	S.CENTRL	9	15822.6	334.846	0.042	6.445	0.001	528.453	0.067	54.134	0.007	48.334	0.006
1987	N.CENTRL	14	15780.3	705.131	0.089	130.59	0.017	1418.67	0.18	277.218	0.035	288.605	0.037
1987	N. COAST	19	4544.9	117.764	0.052	403.294	0.177	51.314	0.023	33.917	0.015	85.187	0.037
1987	SACRAMTO	19	5488.9	278.024	0.101	46.021	0.017	166.791	0.061	88.579	0.032	112.622	0.041
1987	SANDIEGO	36	4500.18	1219.98	0.542	45.041	0.02	572.878	0.255	56.36	0.025	84.414	0.038
1988	SO-CST-I	16	-0.171	0	0	0	0	0	0	0	0	0	0

Table G-23 Settlement Case 2005 Regional Emissions

HydroYear	Basin Name	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1988	SAN FRAN	30	25338.9	1418.31	0.112	245.811	0.019	2035.57	0.161	321.171	0.025	515.7	0.041
1988	SO-CST-C	45	31687.3	1111.53	0.07	282.506	0.018	1762.42	0.111	420.472	0.027	430.895	0.027
1988	VENTURA	7	595.115	3016.44	10.137	28.629	0.096	558.376	1.877	1070.57	3.598	89.271	0.3
1988	DESERT	31	24977.6	5684.92	0.455	450.045	0.036	3335.3	0.267	1090.03	0.087	504.426	0.04
1988	SAN JOAQ	21	29809.8	843.533	0.057	248.334	0.017	1299.43	0.087	223.381	0.015	462.217	0.031
1988	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1988	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1988	OTHER	24	25993.1	9924.2	0.764	2763.81	0.213	7580.17	0.583	2762.17	0.213	1971.34	0.152
1988	S.CENTRL	9	15839.5	349.142	0.044	6.615	0.001	542.428	0.068	55.566	0.007	49.612	0.006
1988	N.CENTRL	14	15852.8	702.882	0.089	130.994	0.017	1438.52	0.181	279.34	0.035	290.568	0.037
1988	N. COAST	19	4574.27	121.224	0.053	407.955	0.178	52.19	0.023	34.247	0.015	85.356	0.037
1988	SACRAMTO	19	5498.63	279.032	0.101	46.095	0.017	167.126	0.061	88.779	0.032	112.94	0.041
1988	SANDIEGO	36	4538.71	1219.3	0.537	45.322	0.02	571.728	0.252	56.515	0.025	84.869	0.037
1989	SO-CST-I	16	-0.168	0	0	0	0	0	0	0	0	0	0
1989	SAN FRAN	30	24930	1389.92	0.112	241.391	0.019	1941.77	0.156	310.376	0.025	503.919	0.04
1989	SO-CST-C	45	31394.9	1096.71	0.07	280.278	0.018	1709.43	0.109	413.531	0.026	422.601	0.027
1989	VENTURA	7	529.133	3006.65	11.364	28.211	0.107	524.101	1.981	1067.06	4.033	86.136	0.326
1989	DESERT	31	24759.2	5584.73	0.451	447.866	0.036	3275.75	0.265	1061.33	0.086	498.016	0.04
1989	SAN JOAQ	21	29567.7	838.006	0.057	246.212	0.017	1293.02	0.087	221.548	0.015	458.314	0.031
1989	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1989	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1989	OTHER	24	25992.8	9922.66	0.763	2763.7	0.213	7579.58	0.583	2762.04	0.213	1971.25	0.152
1989	S.CENTRL	9	15729.3	306.182	0.039	5.909	0.001	484.572	0.062	49.639	0.006	44.321	0.006
1989	N.CENTRL	14	15615.1	679.544	0.087	129.359	0.017	1360.06	0.174	270.562	0.035	282.454	0.036
1989	N. COAST	19	4486.13	117.421	0.052	396.236	0.177	51.227	0.023	33.661	0.015	85.005	0.038
1989	SACRAMTO	19	5453.29	275.394	0.101	45.754	0.017	165.742	0.061	87.951	0.032	111.704	0.041
1989	SANDIEGO	36	4437.79	1217.57	0.549	44.46	0.02	569.612	0.257	55.815	0.025	83.316	0.038
1990	SO-CST-I	16	-0.138	0	0	0	0	0	0	0	0	0	0
1990	SAN FRAN	30	25405.2	1424.87	0.112	246.641	0.019	2047.41	0.161	322.73	0.025	517.429	0.041
1990	SO-CST-C	45	31676.6	1116.44	0.07	282.553	0.018	1765.79	0.111	420.941	0.027	431.14	0.027
1990	VENTURA	7	631.546	3020.11	9.564	28.841	0.091	575.786	1.823	1072.35	3.396	90.863	0.288
1990	DESERT	31	24998.9	5684.99	0.455	450.135	0.036	3335.38	0.267	1090.14	0.087	504.564	0.04
1990	SAN JOAQ	21	29871.6	843.876	0.057	248.757	0.017	1298.97	0.087	223.711	0.015	462.973	0.031
1990	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1990	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1990	OTHER	24	25993.1	9924.12	0.764	2763.81	0.213	7580.15	0.583	2762.17	0.213	1971.34	0.152
1990	S.CENTRL	9	15836.5	346.182	0.044	6.54	0.001	536.296	0.068	54.938	0.007	49.051	0.006



Table G-23 Settlement Case 2005 Regional Emissions

HydroYear	Basin Name	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1990	N.CENTRL	14	15873.4	695.469	0.088	130.965	0.017	1434.82	0.181	279.042	0.035	290.266	0.037
1990	N. COAST	19	4588.78	118.161	0.051	410.082	0.179	51.414	0.022	34.117	0.015	85.326	0.037
1990	SACRAMTO	19	5495.2	278.563	0.101	46.068	0.017	166.993	0.061	88.694	0.032	112.787	0.041
1990	SANDIEGO	36	4515.78	1218.57	0.54	45.104	0.02	571.386	0.253	56.367	0.025	84.498	0.037
1991	SO-CST-I	16	-0.16	0	0	0	0	0	0	0	0	0	0
1991	SAN FRAN	30	25318.6	1423.61	0.112	245.757	0.019	2041.44	0.161	321.746	0.025	515.892	0.041
1991	SO-CST-C	45	31632.3	1110.13	0.07	282.131	0.018	1756.98	0.111	419.579	0.027	429.659	0.027
1991	VENTURA	7	581.49	3015.69	10.372	28.564	0.098	553.015	1.902	1070.02	3.68	88.78	0.305
1991	DESERT	31	24986.5	5685.11	0.455	449.95	0.036	3333.99	0.267	1090.13	0.087	504.223	0.04
1991	SAN JOAQ	21	29820.6	841.775	0.056	248.261	0.017	1295.49	0.087	223.246	0.015	462.038	0.031
1991	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1991	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1991	OTHER	24	25993.1	9924.05	0.764	2763.81	0.213	7580.13	0.583	2762.17	0.213	1971.34	0.152
1991	S.CENTRL	9	15810.4	336.671	0.043	6.377	0.001	522.891	0.066	53.564	0.007	47.825	0.006
1991	N.CENTRL	14	15859.6	695.313	0.088	130.84	0.016	1425.14	0.18	278.073	0.035	289.474	0.037
1991	N. COAST	19	4591.8	115.271	0.05	408.74	0.178	50.682	0.022	33.952	0.015	85.265	0.037
1991	SACRAMTO	19	5505.89	279.472	0.102	46.113	0.017	167.221	0.061	88.863	0.032	113.124	0.041
1991	SANDIEGO	36	4506.22	1218.83	0.541	45.027	0.02	571.976	0.254	56.371	0.025	84.409	0.037
1992	SO-CST-I	16	-0.143	0	0	0	0	0	0	0	0	0	0
1992	SAN FRAN	30	25344.5	1413.77	0.112	245.835	0.019	2037	0.161	321.419	0.025	515.797	0.041
1992	SO-CST-C	45	31768.9	1115.61	0.07	283.078	0.018	1786.03	0.112	423.031	0.027	433.534	0.027
1992	VENTURA	7	618.202	3019.19	9.768	28.77	0.093	569.941	1.844	1071.75	3.467	90.328	0.292
1992	DESERT	31	25005.8	5679.17	0.454	450.046	0.036	3330.66	0.266	1088.61	0.087	504.234	0.04
1992	SAN JOAQ	21	29822.3	843.27	0.057	248.399	0.017	1298.58	0.087	223.417	0.015	462.325	0.031
1992	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1992	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1992	OTHER	24	25993.1	9924.16	0.764	2763.81	0.213	7580.16	0.583	2762.17	0.213	1971.34	0.152
1992	S.CENTRL	9	15864	338.804	0.043	6.665	0.001	546.513	0.069	55.984	0.007	49.986	0.006
1992	N.CENTRL	14	15886.5	698.678	0.088	131.047	0.016	1441.38	0.181	279.691	0.035	290.867	0.037
1992	N. COAST	19	4608.99	117.053	0.051	411.191	0.178	51.134	0.022	34.13	0.015	85.359	0.037
1992	SACRAMTO	19	5498.32	278.748	0.101	46.103	0.017	167.104	0.061	88.759	0.032	112.866	0.041
1992	SANDIEGO	36	4543.83	1219.6	0.537	45.327	0.02	572.713	0.252	56.633	0.025	84.964	0.037
1993	SO-CST-I	16	-0.138	0	0	0	0	0	0	0	0	0	0
1993	SAN FRAN	30	24100.2	1319.5	0.11	232.619	0.019	1769.14	0.147	289.381	0.024	480.774	0.04
1993	SO-CST-C	45	30973.2	1089.67	0.07	276.98	0.018	1672.38	0.108	407.585	0.026	413.712	0.027
1993	VENTURA	7	475.996	2999.93	12.605	27.875	0.117	496.544	2.086	1064.24	4.472	83.615	0.351
1993	DESERT	31	24408.4	5448.8	0.446	444.323	0.036	3190.19	0.261	1022.53	0.084	488.319	0.04

Table G-23 Settlement Case 2005 Regional Emissions

HydroYear	Basin Name	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1993	SAN JOAQ	21	29109.3	828.614	0.057	242.337	0.017	1282.96	0.088	218.234	0.015	451.209	0.031
1993	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1993	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1993	OTHER	24	25993	9921.76	0.763	2763.77	0.213	7579.47	0.583	2762.07	0.213	1971.25	0.152
1993	S.CENTRL	9	15607.6	265.174	0.034	5.147	0.001	422.035	0.054	43.233	0.006	38.601	0.005
1993	N.CENTRL	14	15295	669.14	0.087	127.454	0.017	1301.02	0.17	262.882	0.034	275.087	0.036
1993	N. COAST	19	4314.51	114.177	0.053	371.808	0.172	50.405	0.023	32.776	0.015	84.421	0.039
1993	SACRAMTO	19	5363.17	268.581	0.1	45.127	0.017	163.188	0.061	86.403	0.032	109.363	0.041
1993	SANDIEGO	36	4277.15	1215.45	0.568	43.11	0.02	569.213	0.266	54.845	0.026	80.974	0.038
1994	SO-CST-I	16	-0.138	0	0	0	0	0	0	0	0	0	0
1994	SAN FRAN	30	25253.4	1406.5	0.111	244.583	0.019	1991.3	0.158	316.787	0.025	511.581	0.041
1994	SO-CST-C	45	31680	1111.86	0.07	282.414	0.018	1761.85	0.111	420.281	0.027	430.702	0.027
1994	VENTURA	7	592.253	3012.43	10.173	28.566	0.096	553.227	1.868	1070.04	3.613	88.8	0.3
1994	DESERT	31	24992.8	5678.95	0.454	450.036	0.036	3330.94	0.267	1088.52	0.087	504.242	0.04
1994	SAN JOAQ	21	29780.9	840.564	0.056	247.888	0.017	1293.78	0.087	222.913	0.015	461.346	0.031
1994	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1994	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1994	OTHER	24	25993.1	9924.13	0.764	2763.81	0.213	7580.15	0.583	2762.17	0.213	1971.34	0.152
1994	S.CENTRL	9	15829.3	343.457	0.043	6.549	0.001	537.007	0.068	55.01	0.007	49.117	0.006
1994	N.CENTRL	14	15824.5	704.753	0.089	130.903	0.017	1428.94	0.181	278.485	0.035	289.789	0.037
1994	N. COAST	19	4602.1	118.779	0.052	411.271	0.179	51.571	0.022	34.208	0.015	85.38	0.037
1994	SACRAMTO	19	5497.06	278.689	0.101	46.094	0.017	167.081	0.061	88.738	0.032	112.826	0.041
1994	SANDIEGO	36	4523.01	1218.29	0.539	45.104	0.02	570.362	0.252	56.372	0.025	84.504	0.037
1995	SO-CST-I	16	-0.173	0	0	0	0	0	0	0	0	0	0
1995	SAN FRAN	30	23590.4	1306.62	0.111	228.418	0.019	1730.46	0.147	282.23	0.024	471.279	0.04
1995	SO-CST-C	45	30716.8	1085.48	0.071	275.229	0.018	1654.44	0.108	404.574	0.026	409.132	0.027
1995	VENTURA	7	462.118	2997.62	12.973	27.783	0.12	489.025	2.116	1063.47	4.603	82.927	0.359
1995	DESERT	31	24209.2	5438.7	0.449	442.862	0.037	3182.54	0.263	1018.55	0.084	485.514	0.04
1995	SAN JOAQ	21	28661.8	825.204	0.058	239.037	0.017	1284.99	0.09	215.619	0.015	445.286	0.031
1995	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1995	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1995	OTHER	24	25987.9	9916.38	0.763	2762.28	0.213	7575.33	0.583	2760.66	0.212	1970.4	0.152
1995	S.CENTRL	9	15551.4	243.482	0.031	4.791	0.001	392.86	0.051	40.244	0.005	35.932	0.005
1995	N.CENTRL	14	15083.6	653.575	0.087	125.98	0.017	1259.91	0.167	257.365	0.034	269.822	0.036
1995	N. COAST	19	4253.49	114.467	0.054	363.672	0.171	50.479	0.024	32.549	0.015	84.248	0.04
1995	SACRAMTO	19	5294.72	264.076	0.1	44.663	0.017	161.404	0.061	85.302	0.032	107.709	0.041
1995	SANDIEGO	36	4210.28	1216.02	0.578	42.678	0.02	571.627	0.272	54.543	0.026	80.225	0.038

Table G-23 Settlement Case 2005 Regional Emissions

HydroYear	Basin Name	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1996	SO-CST-I	16	-0.18	0	0	0	0	0	0	0	0	0	0
1996	SAN FRAN	30	23933.5	1307.25	0.109	230.982	0.019	1738.95	0.145	285.614	0.024	476.433	0.04
1996	SO-CST-C	45	30973	1087.01	0.07	277.116	0.018	1665.05	0.108	406.685	0.026	412.997	0.027
1996	VENTURA	7	469.426	2999.58	12.78	27.842	0.119	493.866	2.104	1063.96	4.533	83.37	0.355
1996	DESERT	31	24448.7	5436.83	0.445	444.611	0.036	3185.54	0.261	1019.4	0.083	488.499	0.04
1996	SAN JOAQ	21	28948.3	827.019	0.057	241.063	0.017	1283.17	0.089	217.211	0.015	448.913	0.031
1996	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1996	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1996	OTHER	24	25992.8	9921.1	0.763	2763.72	0.213	7579.22	0.583	2762.01	0.213	1971.21	0.152
1996	S.CENTRL	9	15574.1	256.784	0.033	4.945	0.001	405.474	0.052	41.536	0.005	37.086	0.005
1996	N.CENTRL	14	15219.3	658.276	0.087	126.77	0.017	1277.32	0.168	260.029	0.034	272.394	0.036
1996	N. COAST	19	4256.11	114.776	0.054	363.301	0.171	50.557	0.024	32.579	0.015	84.263	0.04
1996	SACRAMTO	19	5350.91	267.724	0.1	44.999	0.017	162.742	0.061	86.15	0.032	109.048	0.041
1996	SANDIEGO	36	4256.38	1214.72	0.571	42.889	0.02	567.249	0.267	54.637	0.026	80.559	0.038
1997	SO-CST-I	16	-0.125	0	0	0	0	0	0	0	0	0	0
1997	SAN FRAN	30	24007.8	1303.19	0.109	231.604	0.019	1729.48	0.144	285.132	0.024	476.856	0.04
1997	SO-CST-C	45	31044.2	1091.01	0.07	277.609	0.018	1679.05	0.108	408.642	0.026	415.126	0.027
1997	VENTURA	7	478.786	3000.85	12.535	27.899	0.117	498.513	2.082	1064.44	4.446	83.795	0.35
1997	DESERT	31	24502.3	5431.32	0.443	444.908	0.036	3183.26	0.26	1018.1	0.083	488.859	0.04
1997	SAN JOAQ	21	28961.9	827.933	0.057	241.284	0.017	1284.64	0.089	217.417	0.015	449.329	0.031
1997	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1997	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1997	OTHER	24	25993.1	9921.45	0.763	2763.81	0.213	7579.47	0.583	2762.09	0.213	1971.26	0.152
1997	S.CENTRL	9	15587.8	252.38	0.032	5.043	0.001	413.488	0.053	42.357	0.005	37.819	0.005
1997	N.CENTRL	14	15253.8	656.153	0.086	127.098	0.017	1271.94	0.167	260.106	0.034	272.5	0.036
1997	N. COAST	19	4271.95	115.483	0.054	364.967	0.171	50.736	0.024	32.685	0.015	84.327	0.039
1997	SACRAMTO	19	5363.3	268.061	0.1	45.121	0.017	163.112	0.061	86.33	0.032	109.172	0.041
1997	SANDIEGO	36	4342.59	1214.82	0.559	43.616	0.02	566.411	0.261	55.08	0.025	81.76	0.038
1998	SO-CST-I	16	-0.173	0	0	0	0	0	0	0	0	0	0
1998	SAN FRAN	30	23698.6	1312.13	0.111	229.378	0.019	1737.56	0.147	283.698	0.024	473.457	0.04
1998	SO-CST-C	45	30733.2	1084.15	0.071	275.316	0.018	1650.34	0.107	403.986	0.026	408.769	0.027
1998	VENTURA	7	447.313	2996.06	13.396	27.696	0.124	481.829	2.154	1062.73	4.752	82.269	0.368
1998	DESERT	31	24226.9	5434.62	0.449	442.965	0.037	3181.94	0.263	1017.38	0.084	485.566	0.04
1998	SAN JOAQ	21	28720.4	825.287	0.057	239.445	0.017	1283.97	0.089	215.926	0.015	446.007	0.031
1998	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1998	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1998	OTHER	24	25991.3	9919.79	0.763	2763.31	0.213	7578.13	0.583	2761.63	0.213	1970.98	0.152

**Table G-23 Settlement Case 2005 Regional Emissions**

HydroYear	Basin Name	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1998	S.CENTRL	9	15556.7	254.307	0.033	4.876	0.001	399.834	0.051	40.959	0.005	36.57	0.005
1998	N.CENTRL	14	15157.7	649.53	0.086	126.345	0.017	1259.09	0.166	257.858	0.034	270.408	0.036
1998	N. COAST	19	4244.27	114.942	0.054	362.166	0.171	50.599	0.024	32.542	0.015	84.232	0.04
1998	SACRAMTO	19	5309.9	264.617	0.1	44.778	0.017	161.782	0.061	85.498	0.032	107.897	0.041
1998	SANDIEGO	36	4241.33	1215.34	0.573	42.86	0.02	568.435	0.268	54.577	0.026	80.474	0.038

Table G-24 PowerMax Scenario 2005 Regional Emissions

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1975	SO-CST-I	16	-0.16	0	0	0	0	0	0	0	0	0	0
1975	SAN FRAN	30	23941.7	1307.65	0.109	230.609	0.019	1729.16	0.144	284.807	0.024	475.775	0.04
1975	SO-CST-C	45	30808.4	1085.36	0.07	275.743	0.018	1655.38	0.107	404.991	0.026	410.254	0.027
1975	VENTURA	7	471.707	2998.1	12.712	27.833	0.118	493.076	2.091	1063.88	4.511	83.298	0.353
1975	DESERT	31	24352.3	5434.45	0.446	443.867	0.036	3182.72	0.261	1018.25	0.084	487.147	0.04
1975	SAN JOAQ	21	29030.6	826.379	0.057	241.579	0.017	1279.96	0.088	217.567	0.015	449.807	0.031
1975	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1975	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1975	OTHER	24	25993.1	9921.6	0.763	2763.81	0.213	7579.51	0.583	2762.1	0.213	1971.26	0.152
1975	S.CENTRL	9	15571.4	262.172	0.034	4.987	0.001	408.957	0.053	41.893	0.005	37.405	0.005
1975	N.CENTRL	14	15264	662.599	0.087	127.268	0.017	1282.08	0.168	261.044	0.034	273.463	0.036
1975	N. COAST	19	4298.86	115.925	0.054	369.994	0.172	50.848	0.024	32.82	0.015	84.417	0.039
1975	SACRAMTO	19	5335.12	266.296	0.1	44.98	0.017	162.519	0.061	85.948	0.032	108.54	0.041
1975	SANDIEGO	36	4249.08	1215.75	0.572	42.936	0.02	570.032	0.268	54.704	0.026	80.657	0.038
1976	SO-CST-I	16	-0.194	0	0	0	0	0	0	0	0	0	0
1976	SAN FRAN	30	25292.6	1414.18	0.112	245.327	0.019	2023.08	0.16	319.757	0.025	514.185	0.041
1976	SO-CST-C	45	31654.3	1111.03	0.07	282.242	0.018	1756.82	0.111	420.015	0.027	430.227	0.027
1976	VENTURA	7	586.48	3015.54	10.284	28.583	0.097	554.626	1.891	1070.19	3.65	88.928	0.303
1976	DESERT	31	24915.6	5671.96	0.455	449.483	0.036	3325.85	0.267	1086.21	0.087	503.097	0.04
1976	SAN JOAQ	21	29839.7	843.959	0.057	248.546	0.017	1299.69	0.087	223.558	0.015	462.603	0.031
1976	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1976	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1976	OTHER	24	25993.1	9924.54	0.764	2763.81	0.213	7580.26	0.583	2762.18	0.213	1971.35	0.152
1976	S.CENTRL	9	15840.6	345.405	0.044	6.616	0.001	542.504	0.068	55.574	0.007	49.619	0.006
1976	N.CENTRL	14	15898	706.528	0.089	131.295	0.017	1449.8	0.182	280.788	0.035	291.885	0.037
1976	N. COAST	19	4568.42	119.017	0.052	405.925	0.178	51.631	0.023	34.088	0.015	85.286	0.037
1976	SACRAMTO	19	5519.39	280.398	0.102	46.233	0.017	167.663	0.061	89.11	0.032	113.436	0.041
1976	SANDIEGO	36	4504.97	1219.21	0.541	44.99	0.02	570.664	0.253	56.248	0.025	84.274	0.037
1977	SO-CST-I	16	-0.181	0	0	0	0	0	0	0	0	0	0
1977	SAN FRAN	30	25601.7	1453.69	0.114	249.386	0.019	2129.59	0.166	331.05	0.026	525.693	0.041
1977	SO-CST-C	45	31806.6	1129.08	0.071	283.512	0.018	1812.91	0.114	426.151	0.027	436.37	0.027
1977	VENTURA	7	631.518	3024.45	9.578	28.897	0.092	580.379	1.838	1072.82	3.398	91.283	0.289
1977	DESERT	31	25097.4	5749.51	0.458	451.215	0.036	3374.02	0.269	1108.22	0.088	508.108	0.04
	SAN JOAQ	21	29874.6	846.102	0.057	249.03	0.017	1303.28	0.087	224.015	0.015	463.517	0.031
1977	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1977	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24

Table G-24 PowerMax Scenario 2005 Regional Emissions

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1977	OTHER	24	25993.1	9924.82	0.764	2763.81	0.213	7580.33	0.583	2762.19	0.213	1971.36	0.152
1977	S.CENTRL	9	15934.1	388.615	0.049	7.177	0.001	588.55	0.074	60.29	0.008	53.831	0.007
1977	N.CENTRL	14	16039.3	728.771	0.091	132.209	0.016	1502.25	0.187	286.456	0.036	297.202	0.037
1977	N. COAST	19	4687.34	118.337	0.05	423.851	0.181	51.459	0.022	34.522	0.015	85.621	0.037
1977	SACRAMTO	19	5529.11	281.235	0.102	46.318	0.017	168.008	0.061	89.303	0.032	113.696	0.041
1977	SANDIEGO	36	4512.82	1219.08	0.54	45.089	0.02	571.182	0.253	56.299	0.025	84.428	0.037
1978	SO-CST-I	16	-0.133	0	0	0	0	0	0	0	0	0	0
1978	SAN FRAN	30	23888.8	1313.96	0.11	230.694	0.019	1748.44	0.146	286.12	0.024	476.463	0.04
1978	SO-CST-C	45	30941.8	1091.16	0.071	276.981	0.018	1669.04	0.108	407.202	0.026	413.437	0.027
1978	VENTURA	7	465.129	2997.77	12.89	27.8	0.12	490.373	2.109	1063.6	4.573	83.051	0.357
1978	DESERT	31	24339.3	5435.61	0.447	443.844	0.036	3183.39	0.262	1018.37	0.084	487.156	0.04
1978	SAN JOAQ	21	28898	824.481	0.057	240.583	0.017	1278.47	0.088	216.739	0.015	447.995	0.031
1978	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1978	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1978	OTHER	24	25992.9	9921.87	0.763	2763.77	0.213	7579.5	0.583	2762.07	0.213	1971.25	0.152
1978	S.CENTRL	9	15593.1	260.629	0.033	5.089	0.001	417.309	0.054	42.749	0.005	38.168	0.005
1978	N.CENTRL	14	15255.5	670.757	0.088	127.267	0.017	1296.06	0.17	262.258	0.034	274.486	0.036
1978	N. COAST	19	4312.35	116.999	0.054	371.44	0.172	51.12	0.024	32.94	0.015	84.482	0.039
1978	SACRAMTO	19	5362.07	268.768	0.1	45.12	0.017	163.217	0.061	86.403	0.032	109.358	0.041
1978	SANDIEGO	36	4293.41	1215.63	0.566	43.255	0.02	568.963	0.265	54.924	0.026	81.207	0.038
1979	SO-CST-I	16	-0.18	0	0	0	0	0	0	0	0	0	0
1979	SAN FRAN	30	24562.7	1351.11	0.11	236.951	0.019	1838.27	0.15	298.643	0.024	491.865	0.04
1979	SO-CST-C	45	31239.4	1095.52	0.07	279.195	0.018	1691.27	0.108	411.002	0.026	419.141	0.027
1979	VENTURA	7	508.625	3007.24	11.825	28.128	0.111	517.262	2.034	1066.36	4.193	85.51	0.336
1979	DESERT	31	24664.7	5531.69	0.449	446.775	0.036	3241.5	0.263	1046.62	0.085	494.753	0.04
1979	SAN JOAQ	21	29396.3	830.517	0.057	244.445	0.017	1280.78	0.087	219.891	0.015	454.984	0.031
1979	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1979	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1979	OTHER	24	25993.1	9922.6	0.763	2763.81	0.213	7579.77	0.583	2762.13	0.213	1971.29	0.152
1979	S.CENTRL	9	15684.3	291.076	0.037	5.607	0.001	459.763	0.059	47.098	0.006	42.052	0.005
1979	N.CENTRL	14	15534.3	678.166	0.087	128.905	0.017	1344.53	0.173	268.68	0.035	280.601	0.036
1979	N. COAST	19	4415.36	114.269	0.052	385.577	0.175	50.428	0.023	33.185	0.015	84.721	0.038
1979	SACRAMTO	19	5424.97	273.223	0.101	45.541	0.017	164.892	0.061	87.443	0.032	110.959	0.041
1979	SANDIEGO	36	4400.93	1215.82	0.553	44.051	0.02	566.887	0.258	55.479	0.025	82.582	0.038
1980	SO-CST-I	16	-0.232	0	0	0	0	0	0	0	0	0	0
1980	SAN FRAN	30	23948.2	1301.91	0.109	230.772	0.019	1720.33	0.144	283.759	0.024	475.239	0.04

Table G-24 PowerMax Scenario 2005 Regional Emissions

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1980	SO-CST-C	45	30961.3	1089.06	0.07	277.013	0.018	1677.41	0.108	407.882	0.026	413.905	0.027
1980	VENTURA	7	473.329	2998.16	12.668	27.845	0.118	494.06	2.088	1063.98	4.496	83.388	0.352
1980	DESERT	31	24373.4	5414.45	0.444	443.952	0.036	3172.06	0.26	1012.78	0.083	486.784	0.04
1980	SAN JOAQ	21	28989.6	827.296	0.057	241.369	0.017	1282.79	0.088	217.452	0.015	449.462	0.031
1980	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1980	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1980	OTHER	24	25993.1	9921.81	0.763	2763.81	0.213	7579.56	0.583	2762.1	0.213	1971.27	0.152
1980	S.CENTRL	9	15583.2	253.203	0.032	5.043	0.001	413.498	0.053	42.358	0.005	37.82	0.005
1980	N.CENTRL	14	15235.2	661.789	0.087	127.074	0.017	1278.56	0.168	260.552	0.034	272.894	0.036
1980	N. COAST	19	4275.7	117.499	0.055	366.551	0.171	51.247	0.024	32.824	0.015	84.386	0.039
1980	SACRAMTO	19	5363.16	268.706	0.1	45.111	0.017	163.184	0.061	86.387	0.032	109.343	0.041
1980	SANDIEGO	36	4310.39	1217.29	0.565	43.502	0.02	571.194	0.265	55.143	0.026	81.661	0.038
1981	SO-CST-I	16	-0.117	0	0	0	0	0	0	0	0	0	0
1981	SAN FRAN	30	24755	1365.88	0.11	239.056	0.019	1870.08	0.151	302.675	0.024	496.7	0.04
1981	SO-CST-C	45	31318.6	1097.99	0.07	279.824	0.018	1707.02	0.109	412.867	0.026	421.516	0.027
1981	VENTURA	7	542.993	3008.12	11.08	28.293	0.104	530.844	1.955	1067.75	3.933	86.752	0.32
1981	DESERT	31	24752.7	5550.64	0.448	447.571	0.036	3256.67	0.263	1051.97	0.085	496.605	0.04
1981	SAN JOAQ	21	29494.1	834.68	0.057	245.394	0.017	1287.77	0.087	220.787	0.015	456.777	0.031
1981	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1981	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1981	OTHER	24	25993.1	9922.79	0.763	2763.81	0.213	7579.81	0.583	2762.13	0.213	1971.3	0.152
1981	S.CENTRL	9	15705.8	300.76	0.038	5.82	0.001	477.271	0.061	48.891	0.006	43.653	0.006
1981	N.CENTRL	14	15564.5	687.128	0.088	129.241	0.017	1350.74	0.174	269.684	0.035	281.658	0.036
1981	N. COAST	19	4408.37	120.004	0.054	384.083	0.174	51.881	0.024	33.508	0.015	84.837	0.038
1981	SACRAMTO	19	5459.3	276.037	0.101	45.784	0.017	165.931	0.061	88.044	0.032	111.843	0.041
1981	SANDIEGO	36	4442.74	1217.91	0.548	44.526	0.02	571.696	0.257	56.001	0.025	83.533	0.038
1982	SO-CST-I	16	-0.156	0	0	0	0	0	0	0	0	0	0
1982	SAN FRAN	30	23502.3	1298.97	0.111	227.318	0.019	1711.94	0.146	280.205	0.024	468.72	0.04
1982	SO-CST-C	45	30657.1	1083.06	0.071	274.685	0.018	1648.09	0.108	403.443	0.026	407.635	0.027
1982	VENTURA	7	462.323	2996.81	12.964	27.772	0.12	488.102	2.112	1063.37	4.6	82.843	0.358
1982	DESERT	31	24184.1	5420.92	0.448	442.64	0.037	3173.7	0.262	1013.36	0.084	484.656	0.04
1982	SAN JOAQ	21	28604.8	822.777	0.058	238.426	0.017	1281.18	0.09	215.053	0.015	444.138	0.031
1982	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1982	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1982	OTHER	24	25992.7	9920.83	0.763	2763.68	0.213	7579.08	0.583	2761.97	0.213	1971.18	0.152
1982	S.CENTRL	9	15549.9	244.164	0.031	4.808	0.001	394.238	0.051	40.385	0.005	36.058	0.005

Table G-24 PowerMax Scenario 2005 Regional Emissions

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1982	N.CENTRL	14	15101.2	661.352	0.088	126.213	0.017	1262.59	0.167	258.01	0.034	270.422	0.036
1982	N. COAST	19	4225.04	116.536	0.055	359.534	0.17	51.003	0.024	32.562	0.015	84.214	0.04
1982	SACRAMTO	19	5303.95	263.945	0.1	44.759	0.017	161.641	0.061	85.397	0.032	107.684	0.041
1982	SANDIEGO	36	4204.6	1215.26	0.578	42.619	0.02	569.901	0.271	54.401	0.026	80.048	0.038
1983	SO-CST-I	16	-0.258	0	0	0	0	0	0	0	0	0	0
1983	SAN FRAN	30	23099.5	1283.38	0.111	224.046	0.019	1677.11	0.145	274.108	0.024	461.05	0.04
1983	SO-CST-C	45	30258.6	1076.93	0.071	271.453	0.018	1638.84	0.108	400.098	0.026	401.123	0.027
1983	VENTURA	7	466.319	2997.01	12.854	27.795	0.119	489.939	2.101	1063.56	4.562	83.011	0.356
1983	DESERT	31	24070.6	5406.69	0.449	441.724	0.037	3164.75	0.263	1008.85	0.084	482.684	0.04
1983	SAN JOAQ	21	28145.6	820.308	0.058	235.169	0.017	1285.15	0.091	212.514	0.015	438.318	0.031
1983	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1983	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1983	OTHER	24	25990.1	9918.42	0.763	2763.04	0.213	7577.28	0.583	2761.36	0.212	1970.81	0.152
1983	S.CENTRL	9	15534.4	235.466	0.03	4.709	0.001	386.164	0.05	39.558	0.005	35.32	0.005
1983	N.CENTRL	14	15012.7	645.013	0.086	125.346	0.017	1246.48	0.166	255.391	0.034	267.886	0.036
1983	N. COAST	19	4210.11	113.432	0.054	357.783	0.17	50.217	0.024	32.312	0.015	84.095	0.04
1983	SACRAMTO	19	5264.16	261.482	0.099	44.475	0.017	160.581	0.061	84.76	0.032	106.779	0.041
1983	SANDIEGO	36	4095.25	1215.64	0.594	41.817	0.02	573.068	0.28	53.927	0.026	78.728	0.038
1984	SO-CST-I	16	-0.171	0	0	0	0	0	0	0	0	0	0
1984	SAN FRAN	30	23857.9	1305.95	0.109	230.183	0.019	1732.76	0.145	284.607	0.024	475.011	0.04
1984	SO-CST-C	45	30837.9	1087.89	0.071	276.252	0.018	1657.07	0.107	405.316	0.026	411.013	0.027
1984	VENTURA	7	459.592	2997.49	13.044	27.772	0.121	488.094	2.124	1063.37	4.627	82.842	0.361
1984	DESERT	31	24344.2	5440.08	0.447	443.864	0.036	3185.54	0.262	1019.67	0.084	487.285	0.04
1984	SAN JOAQ	21	28869.8	823.968	0.057	240.375	0.017	1278.04	0.089	216.56	0.015	447.613	0.031
1984	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1984	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1984	OTHER	24	25993.1	9921.78	0.763	2763.81	0.213	7579.56	0.583	2762.1	0.213	1971.27	0.152
1984	S.CENTRL	9	15572.5	259.83	0.033	4.994	0.001	409.537	0.053	41.953	0.005	37.458	0.005
1984	N.CENTRL	14	15256.2	666.112	0.087	127.237	0.017	1286.85	0.169	261.449	0.034	273.737	0.036
1984	N. COAST	19	4291.3	115.626	0.054	367.814	0.171	50.772	0.024	32.772	0.015	84.387	0.039
1984	SACRAMTO	19	5337.12	266.036	0.1	44.99	0.017	162.513	0.061	85.926	0.032	108.45	0.041
1984	SANDIEGO	36	4250.87	1214.83	0.572	42.904	0.02	568.132	0.267	54.631	0.026	80.568	0.038
1985	SO-CST-I	16	-0.237	0	0	0	0	0	0	0	0	0	0
1985	SAN FRAN	30	24815.9	1372.08	0.111	239.819	0.019	1891.8	0.152	305.008	0.025	498.793	0.04
1985	SO-CST-C	45	31369.3	1095.91	0.07	280.13	0.018	1699.53	0.108	412.543	0.026	421.634	0.027
1985	VENTURA	7	484.881	3002.79	12.386	27.96	0.115	503.517	2.077	1064.95	4.393	84.253	0.348



Table G-24 PowerMax Scenario 2005 Regional Emissions

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1985	DESERT	31	24749.6	5543.09	0.448	447.499	0.036	3251.63	0.263	1049.96	0.085	496.277	0.04
1985	SAN JOAQ	21	29580.6	836.256	0.057	246.095	0.017	1289.29	0.087	221.381	0.015	458.059	0.031
1985	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1985	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1985	OTHER	24	25993.1	9922.92	0.764	2763.81	0.213	7579.85	0.583	2762.14	0.213	1971.3	0.152
1985	S.CENTRL	9	15684.3	293.172	0.037	5.732	0.001	469.995	0.06	48.146	0.006	42.987	0.005
1985	N.CENTRL	14	15563.5	684.823	0.088	129.249	0.017	1346.18	0.173	269.252	0.035	281.293	0.036
1985	N. COAST	19	4450.69	118.83	0.053	391.177	0.176	51.584	0.023	33.606	0.015	84.934	0.038
1985	SACRAMTO	19	5451.24	274.862	0.101	45.747	0.017	165.641	0.061	87.887	0.032	111.567	0.041
1985	SANDIEGO	36	4416.52	1217.91	0.552	44.325	0.02	570.637	0.258	55.753	0.025	83.106	0.038
1986	SO-CST-I	16	-0.312	0	0	0	0	0	0	0	0	0	0
1986	SAN FRAN	30	23907	1307.71	0.109	230.794	0.019	1742.08	0.146	285.66	0.024	476.375	0.04
1986	SO-CST-C	45	30964.8	1090.1	0.07	277.233	0.018	1669.61	0.108	407.053	0.026	413.544	0.027
1986	VENTURA	7	464.981	2996.96	12.891	27.788	0.12	489.414	2.105	1063.51	4.574	82.963	0.357
1986	DESERT	31	24384.6	5441.76	0.446	444.031	0.036	3184.46	0.261	1020.53	0.084	487.61	0.04
1986	SAN JOAQ	21	28980.7	827.874	0.057	241.371	0.017	1284.21	0.089	217.48	0.015	449.482	0.031
1986	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1986	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1986	OTHER	24	25992.2	9921.08	0.763	2763.56	0.213	7578.91	0.583	2761.87	0.213	1971.13	0.152
1986	S.CENTRL	9	15590.4	259.24	0.033	5.123	0.001	420.107	0.054	43.035	0.006	38.424	0.005
1986	N.CENTRL	14	15203.1	659.215	0.087	126.828	0.017	1278.19	0.168	260.09	0.034	272.422	0.036
1986	N. COAST	19	4300.25	115.426	0.054	370.368	0.172	50.722	0.024	32.795	0.015	84.409	0.039
1986	SACRAMTO	19	5349.86	267.466	0.1	45.04	0.017	162.825	0.061	86.162	0.032	108.952	0.041
1986	SANDIEGO	36	4306.32	1217.23	0.565	43.469	0.02	572.259	0.266	55.211	0.026	81.673	0.038
1987	SO-CST-I	16	-0.15	0	0	0	0	0	0	0	0	0	0
1987	SAN FRAN	30	25121.5	1410.07	0.112	243.756	0.019	1997.49	0.159	316.507	0.025	510.344	0.041
1987	SO-CST-C	45	31594.3	1106.23	0.07	281.847	0.018	1734.4	0.11	417.364	0.026	427.648	0.027
1987	VENTURA	7	554.235	3011.94	10.869	28.397	0.102	539.349	1.946	1068.62	3.856	87.53	0.316
1987	DESERT	31	24848.8	5618.84	0.452	448.712	0.036	3296.46	0.265	1071.16	0.086	500.368	0.04
1987	SAN JOAQ	21	29711.2	841.363	0.057	247.456	0.017	1297.01	0.087	222.627	0.015	460.605	0.031
1987	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1987	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1987	OTHER	24	25993.1	9923.88	0.764	2763.81	0.213	7580.09	0.583	2762.16	0.213	1971.33	0.152
1987	S.CENTRL	9	15791.8	326.388	0.041	6.283	0.001	515.206	0.065	52.777	0.007	47.122	0.006
1987	N.CENTRL	14	15777.2	703.824	0.089	130.583	0.017	1416.8	0.18	277.085	0.035	288.465	0.037
1987	N. COAST	19	4553.48	117.847	0.052	403.528	0.177	51.335	0.023	33.957	0.015	85.214	0.037

**Table G-24 PowerMax Scenario 2005 Regional Emissions**

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1987	SACRAMTO	19	5504.8	279.407	0.102	46.1	0.017	167.183	0.061	88.835	0.032	113.082	0.041
1987	SANDIEGO	36	4462.49	1219.05	0.546	44.698	0.02	572.24	0.256	56.131	0.025	83.834	0.038
1988	SO-CST-I	16	-0.125	0	0	0	0	0	0	0	0	0	0
1988	SAN FRAN	30	25286.5	1411.61	0.112	245.188	0.019	2023.41	0.16	319.802	0.025	514.005	0.041
1988	SO-CST-C	45	31640	1110.07	0.07	282.17	0.018	1760.6	0.111	419.971	0.027	430.055	0.027
1988	VENTURA	7	592.562	3016.29	10.181	28.618	0.097	557.499	1.882	1070.48	3.613	89.19	0.301
1988	DESERT	31	24946.7	5658.99	0.454	449.649	0.036	3320.54	0.266	1082.7	0.087	503.057	0.04
1988	SAN JOAQ	21	29814.1	842.227	0.056	248.259	0.017	1296.58	0.087	223.265	0.015	462.048	0.031
1988	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1988	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1988	OTHER	24	25993.1	9924.14	0.764	2763.81	0.213	7580.15	0.583	2762.17	0.213	1971.34	0.152
1988	S.CENTRL	9	15837.2	340.62	0.043	6.546	0.001	536.748	0.068	54.984	0.007	49.093	0.006
1988	N.CENTRL	14	15860.2	699.87	0.088	130.96	0.017	1438.04	0.181	279.337	0.035	290.517	0.037
1988	N. COAST	19	4588.77	117.327	0.051	409.59	0.179	51.203	0.022	34.066	0.015	85.306	0.037
1988	SACRAMTO	19	5493.83	278.425	0.101	46.073	0.017	166.984	0.061	88.686	0.032	112.756	0.041
1988	SANDIEGO	36	4498.78	1219.45	0.542	44.949	0.02	571.723	0.254	56.334	0.025	84.289	0.037
1989	SO-CST-I	16	-0.18	0	0	0	0	0	0	0	0	0	0
1989	SAN FRAN	30	24778	1374.28	0.111	239.549	0.019	1906.23	0.154	306.314	0.025	499.477	0.04
1989	SO-CST-C	45	31349.9	1096.81	0.07	280.006	0.018	1695.66	0.108	412.309	0.026	421.346	0.027
1989	VENTURA	7	523.739	3009.66	11.493	28.226	0.108	525.312	2.006	1067.18	4.075	86.246	0.329
1989	DESERT	31	24736.4	5582.52	0.451	447.618	0.036	3272.94	0.265	1060.69	0.086	497.522	0.04
1989	SAN JOAQ	21	29545	837.105	0.057	246.005	0.017	1291.69	0.087	221.353	0.015	457.924	0.031
1989	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1989	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1989	OTHER	24	25993.1	9923.13	0.764	2763.81	0.213	7579.9	0.583	2762.14	0.213	1971.31	0.152
1989	S.CENTRL	9	15720	305.866	0.039	5.854	0.001	480.036	0.061	49.174	0.006	43.906	0.006
1989	N.CENTRL	14	15596	684.204	0.088	129.317	0.017	1362.67	0.175	270.754	0.035	282.564	0.036
1989	N. COAST	19	4486.26	116.194	0.052	395.057	0.176	50.916	0.023	33.586	0.015	84.976	0.038
1989	SACRAMTO	19	5449.2	274.973	0.101	45.733	0.017	165.629	0.061	87.876	0.032	111.565	0.041
1989	SANDIEGO	36	4448.31	1219.2	0.548	44.603	0.02	571.954	0.257	56.041	0.025	83.653	0.038
1990	SO-CST-I	16	-0.126	0	0	0	0	0	0	0	0	0	0
1990	SAN FRAN	30	25328.6	1425.43	0.113	246.132	0.019	2055.19	0.162	322.975	0.026	516.983	0.041
1990	SO-CST-C	45	31652.2	1114.55	0.07	282.202	0.018	1770.23	0.112	420.852	0.027	430.618	0.027
1990	VENTURA	7	628.936	3017.52	9.596	28.79	0.092	571.574	1.818	1071.92	3.409	90.478	0.288
1990	DESERT	31	24976.3	5681.83	0.455	449.848	0.036	3331.13	0.267	1089.25	0.087	503.974	0.04
1990	SAN JOAQ	21	29761.4	840.977	0.057	247.875	0.017	1294.81	0.087	222.922	0.015	461.334	0.031

Table G-24 PowerMax Scenario 2005 Regional Emissions

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1990	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1990	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1990	OTHER	24	25993.1	9924.18	0.764	2763.81	0.213	7580.16	0.583	2762.17	0.213	1971.34	0.152
1990	S.CENTRL	9	15860	349.511	0.044	6.652	0.001	545.504	0.069	55.881	0.007	49.894	0.006
1990	N.CENTRL	14	15883.3	696.107	0.088	130.903	0.016	1432.28	0.18	278.815	0.035	290.115	0.037
1990	N. COAST	19	4640.34	114.444	0.049	416.158	0.179	50.473	0.022	34.095	0.015	85.389	0.037
1990	SACRAMTO	19	5496.64	278.77	0.101	46.06	0.017	166.998	0.061	88.71	0.032	112.856	0.041
1990	SANDIEGO	36	4507.78	1218.95	0.541	45.017	0.02	571.609	0.254	56.372	0.025	84.399	0.037
1991	SO-CST-I	16	-0.207	0	0	0	0	0	0	0	0	0	0
1991	SAN FRAN	30	25281.2	1426.73	0.113	245.619	0.019	2044.08	0.162	321.818	0.025	515.594	0.041
1991	SO-CST-C	45	31642.6	1110.33	0.07	282.281	0.018	1759.68	0.111	419.723	0.027	429.932	0.027
1991	VENTURA	7	578.311	3013.14	10.42	28.519	0.099	549.31	1.9	1069.64	3.699	88.441	0.306
1991	DESERT	31	25005.1	5697.9	0.456	450.083	0.036	3340.02	0.267	1093.8	0.087	504.784	0.04
1991	SAN JOAQ	21	29797.3	841.136	0.056	248.054	0.017	1294.7	0.087	223.063	0.015	461.656	0.031
1991	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1991	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1991	OTHER	24	25993.1	9924.18	0.764	2763.81	0.213	7580.16	0.583	2762.17	0.213	1971.34	0.152
1991	S.CENTRL	9	15794.1	340.412	0.043	6.308	0.001	517.245	0.065	52.986	0.007	47.309	0.006
1991	N.CENTRL	14	15831.2	690.243	0.087	130.619	0.017	1411.34	0.178	276.599	0.035	288.157	0.036
1991	N. COAST	19	4585.31	114.243	0.05	408.483	0.178	50.422	0.022	33.863	0.015	85.222	0.037
1991	SACRAMTO	19	5491.18	278.254	0.101	46.02	0.017	166.818	0.061	88.605	0.032	112.695	0.041
1991	SANDIEGO	36	4497.88	1218.42	0.542	44.951	0.02	571.254	0.254	56.289	0.025	84.258	0.037
1992	SO-CST-I	16	-0.129	0	0	0	0	0	0	0	0	0	0
1992	SAN FRAN	30	25326.6	1412.84	0.112	245.723	0.019	2036.55	0.161	321.302	0.025	515.461	0.041
1992	SO-CST-C	45	31698.1	1112.84	0.07	282.683	0.018	1766.74	0.111	420.91	0.027	431.364	0.027
1992	VENTURA	7	620.44	3016.07	9.722	28.737	0.093	567.253	1.829	1071.48	3.454	90.082	0.29
1992	DESERT	31	24994.1	5662.28	0.453	449.891	0.036	3321.59	0.266	1083.89	0.087	503.543	0.04
1992	SAN JOAQ	21	29801.4	842.636	0.057	248.199	0.017	1297.75	0.087	223.239	0.015	461.953	0.031
1992	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1992	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1992	OTHER	24	25993.1	9924.26	0.764	2763.81	0.213	7580.18	0.583	2762.17	0.213	1971.34	0.152
1992	S.CENTRL	9	15836.3	330.869	0.042	6.488	0.001	532.05	0.067	54.503	0.007	48.663	0.006
1992	N.CENTRL	14	15861.4	699.709	0.088	130.912	0.017	1433.9	0.181	278.94	0.035	290.188	0.037
1992	N. COAST	19	4573.96	115.933	0.051	406.833	0.178	50.85	0.022	33.921	0.015	85.228	0.037
1992	SACRAMTO	19	5499.49	278.964	0.101	46.092	0.017	167.107	0.061	88.769	0.032	112.924	0.041
1992	SANDIEGO	36	4516.96	1220.06	0.54	45.128	0.02	573.085	0.254	56.501	0.025	84.626	0.037

Table G-24 PowerMax Scenario 2005 Regional Emissions

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1993	SO-CST-I	16	-0.155	0	0	0	0	0	0	0	0	0	0
1993	SAN FRAN	30	24003.9	1322.21	0.11	232.17	0.019	1772.5	0.148	288.974	0.024	479.877	0.04
1993	SO-CST-C	45	30882.3	1090.44	0.071	276.41	0.018	1676.18	0.109	407.295	0.026	412.832	0.027
1993	VENTURA	7	478.011	2998.41	12.545	27.864	0.117	495.645	2.074	1064.14	4.452	83.533	0.35
1993	DESERT	31	24358.1	5440.22	0.447	443.92	0.036	3185.52	0.262	1019.78	0.084	487.386	0.04
1993	SAN JOAQ	21	28997.6	827.64	0.057	241.51	0.017	1283.14	0.089	217.573	0.015	449.72	0.031
1993	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1993	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1993	OTHER	24	25992.5	9921.45	0.763	2763.63	0.213	7579.14	0.583	2761.94	0.213	1971.18	0.152
1993	S.CENTRL	9	15612.9	270.567	0.035	5.218	0.001	427.858	0.055	43.829	0.006	39.133	0.005
1993	N.CENTRL	14	15265.6	665.992	0.087	127.233	0.017	1295.13	0.17	262.077	0.034	274.337	0.036
1993	N. COAST	19	4323.39	114.231	0.053	373.558	0.173	50.419	0.023	32.814	0.015	84.449	0.039
1993	SACRAMTO	19	5343.21	267.132	0.1	45.025	0.017	162.744	0.061	86.102	0.032	108.831	0.041
1993	SANDIEGO	36	4289.21	1216.03	0.567	43.217	0.02	569.717	0.266	54.94	0.026	81.173	0.038
1994	SO-CST-I	16	-0.18	0	0	0	0	0	0	0	0	0	0
1994	SAN FRAN	30	25234.3	1405.56	0.111	244.183	0.019	1985.47	0.157	316.253	0.025	510.856	0.04
1994	SO-CST-C	45	31640.8	1105.99	0.07	282.235	0.018	1740.8	0.11	418.167	0.026	428.804	0.027
1994	VENTURA	7	560.712	3015.52	10.756	28.479	0.102	546.072	1.948	1069.31	3.814	88.145	0.314
1994	DESERT	31	24953.3	5649.9	0.453	449.613	0.036	3314.16	0.266	1080.32	0.087	502.761	0.04
1994	SAN JOAQ	21	29853	843.063	0.056	248.517	0.017	1297.78	0.087	223.495	0.015	462.526	0.031
1994	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1994	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1994	OTHER	24	25993.1	9923.82	0.764	2763.81	0.213	7580.07	0.583	2762.16	0.213	1971.33	0.152
1994	S.CENTRL	9	15802.3	334.761	0.042	6.374	0.001	522.675	0.066	53.542	0.007	47.806	0.006
1994	N.CENTRL	14	15775.1	699.641	0.089	130.578	0.017	1409.73	0.179	276.441	0.035	287.927	0.037
1994	N. COAST	19	4568.51	119.755	0.052	406.246	0.178	51.818	0.023	34.134	0.015	85.304	0.037
1994	SACRAMTO	19	5496.92	278.636	0.101	46.076	0.017	167.017	0.061	88.716	0.032	112.832	0.041
1994	SANDIEGO	36	4523.68	1218.32	0.539	45.141	0.02	570.225	0.252	56.354	0.025	84.535	0.037
1995	SO-CST-I	16	-0.141	0	0	0	0	0	0	0	0	0	0
1995	SAN FRAN	30	23535	1303.23	0.111	227.949	0.019	1730.79	0.147	282.037	0.024	470.492	0.04
1995	SO-CST-C	45	30615.7	1084.45	0.071	274.314	0.018	1655.11	0.108	403.614	0.026	407.314	0.027
1995	VENTURA	7	462.322	2996.01	12.961	27.762	0.12	487.299	2.108	1063.29	4.6	82.77	0.358
1995	DESERT	31	24127.1	5431.77	0.45	442.253	0.037	3178.5	0.263	1016.04	0.084	484.264	0.04
1995	SAN JOAQ	21	28577.6	823.176	0.058	238.343	0.017	1282.29	0.09	215.009	0.015	444.003	0.031
1995	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1995	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24

Table G-24 PowerMax Scenario 2005 Regional Emissions

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1995	OTHER	24	25990.9	9919.29	0.763	2763.2	0.213	7577.8	0.583	2761.52	0.212	1970.92	0.152
1995	S.CENTRL	9	15562.1	254.392	0.033	4.887	0.001	400.731	0.052	41.051	0.005	36.652	0.005
1995	N.CENTRL	14	15099.6	651.583	0.086	126.007	0.017	1260.24	0.167	257.442	0.034	269.921	0.036
1995	N. COAST	19	4261.17	112.962	0.053	364.322	0.171	50.097	0.024	32.488	0.015	84.235	0.04
1995	SACRAMTO	19	5290.32	263.516	0.1	44.647	0.017	161.291	0.061	85.213	0.032	107.511	0.041
1995	SANDIEGO	36	4192.77	1216.41	0.58	42.545	0.02	571.846	0.273	54.464	0.026	80.005	0.038
1996	SO-CST-I	16	-0.137	0	0	0	0	0	0	0	0	0	0
1996	SAN FRAN	30	23783.4	1302.24	0.11	229.666	0.019	1725.09	0.145	283.365	0.024	473.53	0.04
1996	SO-CST-C	45	30908	1086.15	0.07	276.745	0.018	1658.42	0.107	405.847	0.026	411.921	0.027
1996	VENTURA	7	468.176	2997.9	12.807	27.819	0.119	491.985	2.102	1063.77	4.544	83.198	0.355
1996	DESERT	31	24350.2	5432.64	0.446	443.869	0.036	3181.32	0.261	1017.64	0.084	487.112	0.04
1996	SAN JOAQ	21	28882.4	825.01	0.057	240.555	0.017	1280.1	0.089	216.742	0.015	447.96	0.031
1996	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1996	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1996	OTHER	24	25992.9	9921.21	0.763	2763.73	0.213	7579.27	0.583	2762.02	0.213	1971.22	0.152
1996	S.CENTRL	9	15550.8	248.941	0.032	4.82	0.001	395.22	0.051	40.486	0.005	36.148	0.005
1996	N.CENTRL	14	15170.3	661.605	0.087	126.595	0.017	1270.22	0.167	259.166	0.034	271.612	0.036
1996	N. COAST	19	4276.19	114.854	0.054	366.441	0.171	50.577	0.024	32.664	0.015	84.324	0.039
1996	SACRAMTO	19	5330.48	265.995	0.1	44.903	0.017	162.28	0.061	85.818	0.032	108.412	0.041
1996	SANDIEGO	36	4228.83	1215.27	0.575	42.763	0.02	568.813	0.269	54.509	0.026	80.306	0.038
1997	SO-CST-I	16	-0.159	0	0	0	0	0	0	0	0	0	0
1997	SAN FRAN	30	23935	1303.05	0.109	230.886	0.019	1717.37	0.144	283.574	0.024	475.11	0.04
1997	SO-CST-C	45	30950.9	1089.45	0.07	277.008	0.018	1669.29	0.108	407.086	0.026	413.233	0.027
1997	VENTURA	7	475.301	2998.26	12.616	27.853	0.117	494.735	2.082	1064.05	4.477	83.45	0.351
1997	DESERT	31	24354.6	5411.55	0.444	443.838	0.036	3170.89	0.26	1011.82	0.083	486.522	0.04
1997	SAN JOAQ	21	28992.1	827.759	0.057	241.512	0.017	1283.61	0.089	217.579	0.015	449.727	0.031
1997	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1997	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1997	OTHER	24	25993.1	9921.59	0.763	2763.81	0.213	7579.51	0.583	2762.1	0.213	1971.26	0.152
1997	S.CENTRL	9	15565.6	246.998	0.032	4.932	0.001	404.392	0.052	41.425	0.005	36.987	0.005
1997	N.CENTRL	14	15247.3	660.859	0.087	127.147	0.017	1277.95	0.168	260.646	0.034	272.976	0.036
1997	N. COAST	19	4271.31	116.288	0.054	365.333	0.171	50.94	0.024	32.732	0.015	84.344	0.039
1997	SACRAMTO	19	5349.36	266.764	0.1	45.051	0.017	162.757	0.061	86.093	0.032	108.736	0.041
1997	SANDIEGO	36	4334.34	1216.16	0.561	43.564	0.02	568.113	0.262	55.182	0.025	81.775	0.038
1998	SO-CST-I	16	-0.163	0	0	0	0	0	0	0	0	0	0
1998	SAN FRAN	30	23527.6	1304.9	0.111	227.988	0.019	1725.35	0.147	281.414	0.024	470.18	0.04

**Table G-24 PowerMax Scenario 2005 Regional Emissions**

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1998	SO-CST-C	45	30604.7	1082.44	0.071	274.329	0.018	1647.65	0.108	402.942	0.026	406.905	0.027
1998	VENTURA	7	455.229	2994.84	13.158	27.713	0.122	483.287	2.123	1062.88	4.67	82.403	0.362
1998	DESERT	31	24241.4	5440.87	0.449	443.211	0.037	3187.52	0.263	1019.11	0.084	486.161	0.04
1998	SAN JOAQ	21	28570.8	822.76	0.058	238.28	0.017	1281.5	0.09	214.944	0.015	443.88	0.031
1998	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1998	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1998	OTHER	24	25991	9919.77	0.763	2763.33	0.213	7578.14	0.583	2761.64	0.213	1970.98	0.152
1998	S.CENTRL	9	15579.8	259.144	0.033	5.02	0.001	411.613	0.053	42.165	0.005	37.648	0.005
1998	N.CENTRL	14	15166	655.594	0.086	126.448	0.017	1273.07	0.168	259.179	0.034	271.556	0.036
1998	N. COAST	19	4257.22	115.259	0.054	364.367	0.171	50.679	0.024	32.613	0.015	84.278	0.04
1998	SACRAMTO	19	5302.34	264.381	0.1	44.736	0.017	161.648	0.061	85.417	0.032	107.794	0.041
1998	SANDIEGO	36	4227.13	1216.61	0.576	42.844	0.02	571.007	0.27	54.594	0.026	80.46	0.038

Table G-25 WaterMax Scenario 2005 Regional Emissions

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1975	SO-CST-I	16	-0.18	0	0	0	0	0	0	0	0	0	0
1975	SAN FRAN	30	24178.4	1315.99	0.109	232.718	0.019	1740.57	0.144	287.491	0.024	479.913	0.04
1975	SO-CST-C	45	30990.1	1088.29	0.07	277.061	0.018	1665.6	0.107	407.096	0.026	413.458	0.027
1975	VENTURA	7	465.965	2996.99	12.864	27.791	0.119	489.674	2.102	1063.53	4.565	82.987	0.356
1975	DESERT	31	24431.9	5455.96	0.447	444.515	0.036	3194.2	0.261	1024.67	0.084	488.835	0.04
1975	SAN JOAQ	21	29232.3	826.72	0.057	242.95	0.017	1276.63	0.087	218.605	0.015	452.238	0.031
1975	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1975	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1975	OTHER	24	25992.9	9921.8	0.763	2763.74	0.213	7579.43	0.583	2762.05	0.213	1971.24	0.152
1975	S.CENTRL	9	15577.8	265.454	0.034	5.041	0.001	413.374	0.053	42.346	0.005	37.809	0.005
1975	N.CENTRL	14	15293.1	666.709	0.087	127.497	0.017	1288.95	0.169	261.945	0.034	274.339	0.036
1975	N. COAST	19	4300.99	118.461	0.055	369.659	0.172	51.49	0.024	32.984	0.015	84.484	0.039
1975	SACRAMTO	19	5366.66	268.569	0.1	45.166	0.017	163.283	0.061	86.453	0.032	109.388	0.041
1975	SANDIEGO	36	4306.55	1216.18	0.565	43.402	0.02	569.899	0.265	55.036	0.026	81.464	0.038
1976	SO-CST-I	16	-0.107	0	0	0	0	0	0	0	0	0	0
1976	SAN FRAN	30	25208.2	1412.85	0.112	245.208	0.019	2058.2	0.163	322.15	0.026	515.151	0.041
1976	SO-CST-C	45	31597	1116.93	0.071	281.84	0.018	1782.22	0.113	421.816	0.027	431.05	0.027
1976	VENTURA	7	635.802	3024.54	9.514	28.935	0.091	583.435	1.835	1073.14	3.376	91.563	0.288
1976	DESERT	31	24942.4	5703.8	0.457	449.836	0.036	3345.61	0.268	1095.01	0.088	504.527	0.04
1976	SAN JOAQ	21	29651.4	840.347	0.057	247.048	0.017	1295.82	0.087	222.277	0.015	459.856	0.031
1976	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1976	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1976	OTHER	24	25993.1	9924.47	0.764	2763.81	0.213	7580.24	0.583	2762.18	0.213	1971.35	0.152
1976	S.CENTRL	9	15875.4	350.282	0.044	6.732	0.001	551.999	0.07	56.546	0.007	50.488	0.006
1976	N.CENTRL	14	15895.1	705.584	0.089	131.124	0.016	1457.14	0.183	281.164	0.035	292.136	0.037
1976	N. COAST	19	4632.32	115.683	0.05	415.917	0.18	50.787	0.022	34.139	0.015	85.395	0.037
1976	SACRAMTO	19	5478.38	277.165	0.101	45.995	0.017	166.617	0.061	88.439	0.032	112.31	0.041
1976	SANDIEGO	36	4477.62	1220	0.545	44.89	0.02	574.347	0.257	56.293	0.025	84.18	0.038
1977	SO-CST-I	16	-0.207	0	0	0	0	0	0	0	0	0	0
1977	SAN FRAN	30	25576.4	1452.33	0.114	249.404	0.02	2150.18	0.168	332.794	0.026	526.465	0.041
1977	SO-CST-C	45	31803	1129.24	0.071	283.451	0.018	1821.54	0.115	426.801	0.027	437.043	0.027
1977	VENTURA	7	644.463	3024.84	9.387	28.967	0.09	586.073	1.819	1073.41	3.331	91.804	0.285
1977	DESERT	31	25068.9	5764.74	0.46	451.108	0.036	3381.43	0.27	1112.33	0.089	508.323	0.041
1977	SAN JOAQ	21	29874.8	846.766	0.057	249.083	0.017	1304.71	0.087	224.085	0.015	463.63	0.031
1977	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0

**Table G-25 WaterMax Scenario 2005 Regional Emissions**

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1977	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1977	OTHER	24	25993.1	9924.93	0.764	2763.82	0.213	7580.35	0.583	2762.19	0.213	1971.36	0.152
1977	S.CENTRL	9	15914.8	374.728	0.047	7.032	0.001	576.623	0.072	59.069	0.007	52.74	0.007
1977	N.CENTRL	14	16021.7	714.369	0.089	131.925	0.016	1482.69	0.185	284.443	0.036	295.39	0.037
1977	N. COAST	19	4701.83	117.02	0.05	425.495	0.181	51.125	0.022	34.499	0.015	85.632	0.036
1977	SACRAMTO	19	5523.86	280.748	0.102	46.286	0.017	167.855	0.061	89.211	0.032	113.547	0.041
1977	SANDIEGO	36	4509.62	1219.74	0.541	45.061	0.02	572.145	0.254	56.36	0.025	84.439	0.037
1978	SO-CST-I	16	-0.19	0	0	0	0	0	0	0	0	0	0
1978	SAN FRAN	30	24093.1	1322.75	0.11	232.735	0.019	1769.75	0.147	289.286	0.024	480.826	0.04
1978	SO-CST-C	45	31037.3	1091.44	0.07	277.569	0.018	1675.11	0.108	408.382	0.026	415.083	0.027
1978	VENTURA	7	475.917	3000.73	12.61	27.886	0.117	497.416	2.09	1064.33	4.473	83.695	0.352
1978	DESERT	31	24438.2	5461.44	0.447	444.672	0.036	3198.95	0.262	1026.09	0.084	489.256	0.04
1978	SAN JOAQ	21	29023.9	827.785	0.057	241.741	0.017	1282.75	0.088	217.751	0.015	450.131	0.031
1978	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1978	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1978	OTHER	24	25993.1	9922.29	0.763	2763.81	0.213	7579.69	0.583	2762.12	0.213	1971.29	0.152
1978	S.CENTRL	9	15625.8	270.007	0.035	5.293	0.001	433.986	0.056	44.457	0.006	39.694	0.005
1978	N.CENTRL	14	15307.3	671.128	0.088	127.585	0.017	1307.92	0.171	263.676	0.034	275.781	0.036
1978	N. COAST	19	4307.16	117.978	0.055	371.418	0.172	51.368	0.024	32.979	0.015	84.49	0.039
1978	SACRAMTO	19	5360.58	268.203	0.1	45.138	0.017	163.175	0.061	86.368	0.032	109.228	0.041
1978	SANDIEGO	36	4344.39	1216.3	0.56	43.64	0.02	569.333	0.262	55.291	0.025	81.945	0.038
1979	SO-CST-I	16	-0.138	0	0	0	0	0	0	0	0	0	0
1979	SAN FRAN	30	24633.9	1354.44	0.11	237.495	0.019	1844.91	0.15	299.818	0.024	493.226	0.04
1979	SO-CST-C	45	31293.5	1094.58	0.07	279.575	0.018	1699.7	0.109	412.026	0.026	420.339	0.027
1979	VENTURA	7	512.736	3008.26	11.734	28.161	0.11	519.973	2.028	1066.64	4.161	85.758	0.335
1979	DESERT	31	24643.4	5523.32	0.448	446.519	0.036	3235.87	0.263	1044.2	0.085	494.084	0.04
1979	SAN JOAQ	21	29479.1	831.559	0.056	245.012	0.017	1281.53	0.087	220.361	0.015	456.014	0.031
1979	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1979	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1979	OTHER	24	25993.1	9922.78	0.763	2763.81	0.213	7579.81	0.583	2762.13	0.213	1971.3	0.152
1979	S.CENTRL	9	15683	290.08	0.037	5.574	0.001	457.063	0.058	46.821	0.006	41.805	0.005
1979	N.CENTRL	14	15530.9	679.708	0.088	128.923	0.017	1347.05	0.173	268.899	0.035	280.759	0.036
1979	N. COAST	19	4386.19	113.777	0.052	381.811	0.174	50.304	0.023	33.038	0.015	84.623	0.039
1979	SACRAMTO	19	5431.79	273.959	0.101	45.565	0.017	165.057	0.061	87.556	0.032	111.191	0.041
1979	SANDIEGO	36	4436.16	1217.47	0.549	44.412	0.02	569.043	0.257	55.823	0.025	83.268	0.038
1980	SO-CST-I	16	-0.163	0	0	0	0	0	0	0	0	0	0
1980	SAN FRAN	30	24043.6	1306.44	0.109	231.905	0.019	1746.42	0.145	286.89	0.024	478.326	0.04



Table G-25 WaterMax Scenario 2005 Regional Emissions

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	/MWh	TONS	/MWh	TONS	/MWh	TONS	/MWh	TONS	/MWh
1980	SO-CST-C	45	31003.4	1090.73	0.07	277.357	0.018	1685.34	0.109	408.781	0.026	414.9	0.027
1980	VENTURA	7	481.245	3000.97	12.472	27.919	0.116	500.162	2.079	1064.61	4.424	83.946	0.349
1980	DESERT	31	24376.7	5429.16	0.445	443.995	0.036	3178.99	0.261	1016.8	0.083	487.22	0.04
1980	SAN JOAQ	21	29014.2	827.588	0.057	241.605	0.017	1282.74	0.088	217.641	0.015	449.886	0.031
1980	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1980	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1980	OTHER	24	25993.1	9921.81	0.763	2763.81	0.213	7579.57	0.583	2762.1	0.213	1971.27	0.152
1980	S.CENTRL	9	15616.3	252.214	0.032	5.161	0.001	423.226	0.054	43.355	0.006	38.71	0.005
1980	N.CENTRL	14	15267.8	662.53	0.087	127.158	0.017	1289.37	0.169	261.608	0.034	273.803	0.036
1980	N. COAST	19	4263.2	114.13	0.054	365.741	0.172	50.393	0.024	32.567	0.015	84.269	0.04
1980	SACRAMTO	19	5356.71	268.25	0.1	45.055	0.017	162.971	0.061	86.27	0.032	109.197	0.041
1980	SANDIEGO	36	4308	1214.7	0.564	43.289	0.02	565.969	0.263	54.856	0.025	81.203	0.038
1981	SO-CST-I	16	-0.16	0	0	0	0	0	0	0	0	0	0
1981	SAN FRAN	30	24743.7	1366.27	0.11	238.994	0.019	1871.55	0.151	302.599	0.024	496.678	0.04
1981	SO-CST-C	45	31402.8	1100.07	0.07	280.616	0.018	1712.07	0.109	413.834	0.026	423.164	0.027
1981	VENTURA	7	545.353	3009.05	11.035	28.315	0.104	532.598	1.953	1067.93	3.916	86.913	0.319
1981	DESERT	31	24759.9	5551.12	0.448	447.611	0.036	3257.06	0.263	1052.11	0.085	496.687	0.04
1981	SAN JOAQ	21	29504	836.889	0.057	245.687	0.017	1292.18	0.088	221.106	0.015	457.357	0.031
1981	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1981	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1981	OTHER	24	25993.1	9922.87	0.763	2763.81	0.213	7579.83	0.583	2762.13	0.213	1971.3	0.152
1981	S.CENTRL	9	15711.4	308.65	0.039	5.859	0.001	480.425	0.061	49.214	0.006	43.941	0.006
1981	N.CENTRL	14	15588.9	684.017	0.088	129.289	0.017	1356.63	0.174	270.256	0.035	282.148	0.036
1981	N. COAST	19	4416.7	120.432	0.055	386.853	0.175	51.99	0.024	33.568	0.015	84.872	0.038
1981	SACRAMTO	19	5459.4	276.122	0.101	45.773	0.017	165.908	0.061	88.047	0.032	111.888	0.041
1981	SANDIEGO	36	4435.99	1217.08	0.549	44.419	0.02	569.521	0.257	55.828	0.025	83.279	0.038
1982	SO-CST-I	16	-0.18	0	0	0	0	0	0	0	0	0	0
1982	SAN FRAN	30	23632	1298.81	0.11	228.639	0.019	1720.62	0.146	281.694	0.024	471.207	0.04
1982	SO-CST-C	45	30764.1	1087.81	0.071	275.584	0.018	1667.65	0.108	405.418	0.026	410.067	0.027
1982	VENTURA	7	461.781	2997.58	12.983	27.781	0.12	488.855	2.117	1063.45	4.606	82.912	0.359
1982	DESERT	31	24297.4	5421.04	0.446	443.441	0.037	3174.98	0.261	1014.18	0.083	486.047	0.04
1982	SAN JOAQ	21	28617.3	822.909	0.058	238.572	0.017	1281.15	0.09	215.168	0.015	444.4	0.031
1982	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1982	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1982	OTHER	24	25991.5	9920.09	0.763	2763.46	0.213	7578.49	0.583	2761.76	0.213	1971.06	0.152
1982	S.CENTRL	9	15569.7	246.145	0.032	4.911	0.001	402.694	0.052	41.252	0.005	36.832	0.005
1982	N.CENTRL	14	15122.6	650.029	0.086	126.088	0.017	1255.84	0.166	257.298	0.034	269.797	0.036

Table G-25 WaterMax Scenario 2005 Regional Emissions

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1982	N. COAST	19	4225.5	114.3	0.054	359.493	0.17	50.436	0.024	32.427	0.015	84.161	0.04
1982	SACRAMTO	19	5314.59	264.89	0.1	44.776	0.017	161.801	0.061	85.536	0.032	108.019	0.041
1982	SANDIEGO	36	4205.99	1214.32	0.577	42.547	0.02	567.484	0.27	54.306	0.026	79.898	0.038
1983	SO-CST-I	16	-0.151	0	0	0	0	0	0	0	0	0	0
1983	SAN FRAN	30	23179.6	1286.43	0.111	224.887	0.019	1689.85	0.146	275.715	0.024	463.014	0.04
1983	SO-CST-C	45	30442	1081.17	0.071	273.173	0.018	1644.66	0.108	401.487	0.026	404.147	0.027
1983	VENTURA	7	460.264	2996.71	13.022	27.764	0.121	487.396	2.118	1063.3	4.62	82.778	0.36
1983	DESERT	31	24093.5	5404.76	0.449	441.798	0.037	3162.87	0.263	1008.46	0.084	482.749	0.04
1983	SAN JOAQ	21	28237.1	821.964	0.058	235.965	0.017	1286.81	0.091	213.182	0.015	439.77	0.031
1983	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1983	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1983	OTHER	24	25979.2	9907.93	0.763	2759.72	0.212	7568.4	0.583	2758.26	0.212	1968.96	0.152
1983	S.CENTRL	9	15522.1	226.555	0.029	4.61	0.001	378.015	0.049	38.723	0.005	34.575	0.004
1983	N.CENTRL	14	14976.2	643.665	0.086	125.11	0.017	1234.61	0.165	254.137	0.034	266.738	0.036
1983	N. COAST	19	4213.28	112.022	0.053	358.34	0.17	49.859	0.024	32.238	0.015	84.071	0.04
1983	SACRAMTO	19	5266.05	262.008	0.1	44.452	0.017	160.59	0.061	84.797	0.032	106.947	0.041
1983	SANDIEGO	36	4126.28	1215.02	0.589	42.037	0.02	571.49	0.277	54.036	0.026	79.078	0.038
1984	SO-CST-I	16	-0.206	0	0	0	0	0	0	0	0	0	0
1984	SAN FRAN	30	23984	1307.92	0.109	231.351	0.019	1731.99	0.144	285.285	0.024	476.642	0.04
1984	SO-CST-C	45	30977.3	1088.08	0.07	277.112	0.018	1671.96	0.108	407.647	0.026	413.744	0.027
1984	VENTURA	7	469.486	2997.97	12.771	27.825	0.119	492.445	2.098	1063.82	4.532	83.24	0.355
1984	DESERT	31	24343.4	5422	0.445	443.604	0.036	3172.34	0.261	1014.92	0.083	486.367	0.04
1984	SAN JOAQ	21	29027.4	826.292	0.057	241.552	0.017	1279.95	0.088	217.543	0.015	449.757	0.031
1984	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1984	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1984	OTHER	24	25993.1	9921.69	0.763	2763.81	0.213	7579.54	0.583	2762.1	0.213	1971.27	0.152
1984	S.CENTRL	9	15566.5	244.361	0.031	4.922	0.001	403.62	0.052	41.346	0.005	36.917	0.005
1984	N.CENTRL	14	15256.5	660.523	0.087	127.127	0.017	1279.95	0.168	260.764	0.034	273.071	0.036
1984	N. COAST	19	4266.13	115.538	0.054	364.693	0.171	50.75	0.024	32.666	0.015	84.311	0.04
1984	SACRAMTO	19	5342.32	266.511	0.1	44.982	0.017	162.538	0.061	85.985	0.032	108.65	0.041
1984	SANDIEGO	36	4286.79	1214.59	0.567	43.112	0.02	565.464	0.264	54.689	0.026	80.866	0.038
1985	SO-CST-I	16	-0.15	0	0	0	0	0	0	0	0	0	0
1985	SAN FRAN	30	24774.7	1374.35	0.111	239.456	0.019	1891.13	0.153	304.648	0.025	498.312	0.04
1985	SO-CST-C	45	31455.2	1098.71	0.07	280.683	0.018	1724.07	0.11	415.058	0.026	424.263	0.027
1985	VENTURA	7	507.097	3006.34	11.857	28.111	0.111	515.892	2.035	1066.22	4.205	85.385	0.337
1985	DESERT	31	24772.1	5562.22	0.449	447.747	0.036	3261.44	0.263	1055.43	0.085	497.228	0.04
1985	SAN JOAQ	21	29530.4	835.232	0.057	245.715	0.017	1288.04	0.087	221.052	0.015	457.359	0.031

Table G-25 WaterMax Scenario 2005 Regional Emissions

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1985	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1985	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1985	OTHER	24	25993.1	9923.43	0.764	2763.81	0.213	7579.97	0.583	2762.15	0.213	1971.32	0.152
1985	S.CENTRL	9	15726.7	315.58	0.04	5.996	0.001	491.644	0.063	50.364	0.006	44.967	0.006
1985	N.CENTRL	14	15592.8	690.123	0.089	129.504	0.017	1358.87	0.174	270.645	0.035	282.573	0.036
1985	N. COAST	19	4464.74	117.253	0.053	392.42	0.176	51.184	0.023	33.565	0.015	84.938	0.038
1985	SACRAMTO	19	5465.74	276.021	0.101	45.839	0.017	166.039	0.061	88.132	0.032	111.955	0.041
1985	SANDIEGO	36	4431.47	1216.49	0.549	44.397	0.02	568.06	0.256	55.658	0.025	83.124	0.038
1986	SO-CST-I	16	-0.19	0	0	0	0	0	0	0	0	0	0
1986	SAN FRAN	30	24004.8	1315.99	0.11	231.885	0.019	1768.17	0.147	288.611	0.024	479.513	0.04
1986	SO-CST-C	45	31052	1092.24	0.07	277.716	0.018	1687.99	0.109	409.252	0.026	415.701	0.027
1986	VENTURA	7	481.554	3001.81	12.467	27.932	0.116	501.192	2.082	1064.71	4.422	84.04	0.349
1986	DESERT	31	24454.2	5459.21	0.446	444.68	0.036	3195.88	0.261	1025.67	0.084	489.184	0.04
1986	SAN JOAQ	21	28969.4	829.549	0.057	241.434	0.017	1287.9	0.089	217.603	0.015	449.64	0.031
1986	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1986	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1986	OTHER	24	25991.4	9920.34	0.763	2763.32	0.213	7578.28	0.583	2761.65	0.213	1971	0.152
1986	S.CENTRL	9	15613.1	258.263	0.033	5.129	0.001	420.604	0.054	43.086	0.006	38.47	0.005
1986	N.CENTRL	14	15237.5	661.66	0.087	126.947	0.017	1290.22	0.169	261.261	0.034	273.494	0.036
1986	N. COAST	19	4307.62	113.244	0.053	370.515	0.172	50.169	0.023	32.691	0.015	84.378	0.039
1986	SACRAMTO	19	5354.25	267.876	0.1	45.042	0.017	162.872	0.061	86.22	0.032	109.116	0.041
1986	SANDIEGO	36	4304.9	1214.41	0.564	43.271	0.02	566.537	0.263	54.883	0.025	81.202	0.038
1987	SO-CST-I	16	-0.138	0	0	0	0	0	0	0	0	0	0
1987	SAN FRAN	30	25069	1411.15	0.113	243.316	0.019	1995.72	0.159	316.008	0.025	509.571	0.041
1987	SO-CST-C	45	31575.5	1104.46	0.07	281.618	0.018	1731.6	0.11	416.86	0.026	427.037	0.027
1987	VENTURA	7	577.847	3013.1	10.429	28.515	0.099	549.046	1.9	1069.61	3.702	88.417	0.306
1987	DESERT	31	24909.5	5644.29	0.453	449.255	0.036	3311.5	0.266	1078.53	0.087	501.959	0.04
1987	SAN JOAQ	21	29655.6	838.819	0.057	246.919	0.017	1292.77	0.087	222.112	0.015	459.586	0.031
1987	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1987	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1987	OTHER	24	25993.1	9923.83	0.764	2763.81	0.213	7580.08	0.583	2762.16	0.213	1971.33	0.152
1987	S.CENTRL	9	15808.4	331.744	0.042	6.396	0.001	524.435	0.066	53.723	0.007	47.967	0.006
1987	N.CENTRL	14	15774.5	697.329	0.088	130.417	0.017	1414.17	0.179	276.611	0.035	288.018	0.037
1987	N. COAST	19	4574.88	118.243	0.052	408.073	0.178	51.435	0.022	34.066	0.015	85.286	0.037
1987	SACRAMTO	19	5498.53	279.047	0.101	46.058	0.017	167.029	0.061	88.739	0.032	112.941	0.041
1987	SANDIEGO	36	4476.96	1219.6	0.545	44.807	0.02	573.189	0.256	56.29	0.025	84.084	0.038
1988	SO-CST-I	16	-0.156	0	0	0	0	0	0	0	0	0	0

Table G-25 WaterMax Scenario 2005 Regional Emissions

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1988	SAN FRAN	30	25314.3	1414.28	0.112	245.67	0.019	2046.04	0.162	322.09	0.025	515.764	0.041
1988	SO-CST-C	45	31559.1	1111.23	0.07	281.549	0.018	1766.23	0.112	420.035	0.027	429.422	0.027
1988	VENTURA	7	594.501	3018.19	10.154	28.652	0.096	560.273	1.885	1070.76	3.602	89.444	0.301
1988	DESERT	31	24925.2	5676.47	0.455	449.596	0.036	3329.76	0.267	1087.49	0.087	503.419	0.04
1988	SAN JOAQ	21	29739.9	840.651	0.057	247.599	0.017	1294.85	0.087	222.701	0.015	460.837	0.031
1988	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1988	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1988	OTHER	24	25993.1	9923.91	0.764	2763.81	0.213	7580.1	0.583	2762.16	0.213	1971.33	0.152
1988	S.CENTRL	9	15852.5	340.006	0.043	6.62	0.001	542.859	0.068	55.61	0.007	49.652	0.006
1988	N.CENTRL	14	15834.5	695.913	0.088	130.762	0.017	1430.81	0.181	278.354	0.035	289.612	0.037
1988	N. COAST	19	4605.35	117.981	0.051	411.61	0.179	51.369	0.022	34.172	0.015	85.37	0.037
1988	SACRAMTO	19	5490.98	278.213	0.101	46.047	0.017	166.887	0.061	88.629	0.032	112.68	0.041
1988	SANDIEGO	36	4484.15	1220.02	0.544	44.896	0.02	573.826	0.256	56.349	0.025	84.233	0.038
1989	SO-CST-I	16	-0.141	0	0	0	0	0	0	0	0	0	0
1989	SAN FRAN	30	24894.7	1396.47	0.112	241.788	0.019	1977.21	0.159	313.17	0.025	505.916	0.041
1989	SO-CST-C	45	31433.1	1101.02	0.07	280.543	0.018	1720.97	0.11	414.826	0.026	423.892	0.027
1989	VENTURA	7	561.871	3013.14	10.725	28.442	0.101	543.007	1.933	1069	3.805	87.865	0.313
1989	DESERT	31	24796.9	5616.69	0.453	448.243	0.036	3293.48	0.266	1070.24	0.086	499.479	0.04
1989	SAN JOAQ	21	29508.2	835.983	0.057	245.765	0.017	1289.71	0.087	221.123	0.015	457.469	0.031
1989	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1989	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1989	OTHER	24	25993.1	9923.29	0.764	2763.81	0.213	7579.94	0.583	2762.15	0.213	1971.32	0.152
1989	S.CENTRL	9	15754.4	306.121	0.039	5.977	0.001	490.08	0.062	50.203	0.006	44.824	0.006
1989	N.CENTRL	14	15655	685.839	0.088	129.589	0.017	1378.23	0.176	272.41	0.035	284.109	0.036
1989	N. COAST	19	4517.28	114.08	0.051	400.098	0.177	50.381	0.022	33.581	0.015	85.017	0.038
1989	SACRAMTO	19	5456.33	275.565	0.101	45.782	0.017	165.84	0.061	88.002	0.032	111.759	0.041
1989	SANDIEGO	36	4462.12	1217.53	0.546	44.665	0.02	569.585	0.255	55.963	0.025	83.672	0.038
1990	SO-CST-I	16	-0.173	0	0	0	0	0	0	0	0	0	0
1990	SAN FRAN	30	25356.7	1423.4	0.112	246.361	0.019	2064.56	0.163	323.963	0.026	517.788	0.041
1990	SO-CST-C	45	31621	1115.59	0.071	282.111	0.018	1775.04	0.112	421.085	0.027	430.68	0.027
1990	VENTURA	7	624.941	3024.45	9.679	28.879	0.092	578.832	1.852	1072.67	3.433	91.141	0.292
1990	DESERT	31	24982.8	5674.38	0.454	449.903	0.036	3328.78	0.266	1087.12	0.087	503.863	0.04
1990	SAN JOAQ	21	29778.1	840.898	0.056	247.911	0.017	1294.47	0.087	222.945	0.015	461.395	0.031
1990	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1990	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1990	OTHER	24	25993.1	9924.07	0.764	2763.81	0.213	7580.13	0.583	2762.17	0.213	1971.34	0.152
1990	S.CENTRL	9	15835.9	339.691	0.043	6.507	0.001	533.602	0.067	54.662	0.007	48.805	0.006

Table G-25 WaterMax Scenario 2005 Regional Emissions

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1990	N.CENTRL	14	15874.2	694.657	0.088	130.872	0.016	1432.49	0.18	278.753	0.035	290.018	0.037
1990	N. COAST	19	4606.81	116.703	0.051	411.945	0.179	51.045	0.022	34.1	0.015	85.344	0.037
1990	SACRAMTO	19	5486.16	277.825	0.101	46.01	0.017	166.741	0.061	88.539	0.032	112.541	0.041
1990	SANDIEGO	36	4483.5	1218.26	0.543	44.812	0.02	571.619	0.255	56.223	0.025	84.042	0.037
1991	SO-CST-I	16	-0.176	0	0	0	0	0	0	0	0	0	0
1991	SAN FRAN	30	25321.9	1427.2	0.113	245.89	0.019	2039.64	0.161	321.722	0.025	515.842	0.041
1991	SO-CST-C	45	31625.3	1107.91	0.07	282.088	0.018	1754.69	0.111	419.153	0.027	429.307	0.027
1991	VENTURA	7	572.999	3014.51	10.522	28.513	0.1	548.882	1.916	1069.6	3.733	88.402	0.309
1991	DESERT	31	24966.4	5673.75	0.455	449.791	0.036	3327.67	0.267	1086.9	0.087	503.674	0.04
1991	SAN JOAQ	21	29804.2	840.704	0.056	248.027	0.017	1293.73	0.087	223.023	0.015	461.595	0.031
1991	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1991	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1991	OTHER	24	25993.1	9924.03	0.764	2763.81	0.213	7580.13	0.583	2762.17	0.213	1971.34	0.152
1991	S.CENTRL	9	15803.7	337.077	0.043	6.363	0.001	521.803	0.066	53.453	0.007	47.726	0.006
1991	N.CENTRL	14	15831.6	691.516	0.087	130.672	0.017	1415.58	0.179	277.051	0.035	288.511	0.036
1991	N. COAST	19	4579.55	116.914	0.051	407.607	0.178	51.099	0.022	34.004	0.015	85.268	0.037
1991	SACRAMTO	19	5500.11	279.112	0.101	46.077	0.017	167.089	0.061	88.768	0.032	112.962	0.041
1991	SANDIEGO	36	4512.45	1219.63	0.541	45.069	0.02	572.824	0.254	56.492	0.025	84.55	0.037
1992	SO-CST-I	16	-0.187	0	0	0	0	0	0	0	0	0	0
1992	SAN FRAN	30	25360.8	1407.43	0.111	245.991	0.019	2045.74	0.161	322.269	0.025	516.208	0.041
1992	SO-CST-C	45	31698	1116.01	0.07	282.618	0.018	1782.1	0.112	422.233	0.027	432.349	0.027
1992	VENTURA	7	623.305	3023.57	9.702	28.849	0.093	576.432	1.85	1072.42	3.441	90.922	0.292
1992	DESERT	31	24936.3	5663.55	0.454	449.439	0.036	3320.28	0.266	1083.97	0.087	502.785	0.04
1992	SAN JOAQ	21	29835.8	843.031	0.057	248.461	0.017	1297.99	0.087	223.453	0.015	462.428	0.031
1992	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1992	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1992	OTHER	24	25992.8	9923.82	0.764	2763.7	0.213	7579.86	0.583	2762.06	0.213	1971.28	0.152
1992	S.CENTRL	9	15861.7	332.71	0.042	6.593	0.001	540.658	0.068	55.384	0.007	49.45	0.006
1992	N.CENTRL	14	15853.1	701.315	0.088	130.888	0.017	1435.96	0.181	279.028	0.035	290.226	0.037
1992	N. COAST	19	4588.65	119.542	0.052	409.12	0.178	51.764	0.023	34.201	0.015	85.358	0.037
1992	SACRAMTO	19	5513.81	280.263	0.102	46.17	0.017	167.49	0.061	89.012	0.032	113.344	0.041
1992	SANDIEGO	36	4528.59	1220.44	0.539	45.243	0.02	573.217	0.253	56.563	0.025	84.808	0.037
1993	SO-CST-I	16	-0.15	0	0	0	0	0	0	0	0	0	0
1993	SAN FRAN	30	24086.2	1322.39	0.11	232.413	0.019	1773.68	0.147	289.586	0.024	480.946	0.04
1993	SO-CST-C	45	31000.7	1089.85	0.07	277.237	0.018	1675.98	0.108	408.071	0.026	414.365	0.027
1993	VENTURA	7	491.449	3001.53	12.215	27.968	0.114	504.137	2.052	1065.01	4.334	84.31	0.343
1993	DESERT	31	24442.1	5468.44	0.447	444.699	0.036	3201.35	0.262	1028.15	0.084	489.486	0.04

**Table G-25 WaterMax Scenario 2005 Regional Emissions**

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1993	SAN JOAQ	21	29104.4	826.806	0.057	242.108	0.017	1279.4	0.088	217.98	0.015	450.752	0.031
1993	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1993	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1993	OTHER	24	25992.6	9921.43	0.763	2763.66	0.213	7579.19	0.583	2761.97	0.213	1971.19	0.152
1993	S.CENTRL	9	15616.1	268.965	0.034	5.17	0.001	423.968	0.054	43.431	0.006	38.778	0.005
1993	N.CENTRL	14	15292.8	660.807	0.086	127.283	0.017	1295.35	0.169	262.199	0.034	274.437	0.036
1993	N. COAST	19	4308.72	113.648	0.053	371.127	0.172	50.271	0.023	32.72	0.015	84.391	0.039
1993	SACRAMTO	19	5368.35	269.165	0.1	45.147	0.017	163.322	0.061	86.494	0.032	109.546	0.041
1993	SANDIEGO	36	4285.24	1214.75	0.567	43.071	0.02	566.226	0.264	54.726	0.026	80.844	0.038
1994	SO-CST-I	16	-0.142	0	0	0	0	0	0	0	0	0	0
1994	SAN FRAN	30	25256.9	1409.19	0.112	244.625	0.019	2000.23	0.158	317.54	0.025	512.264	0.041
1994	SO-CST-C	45	31616	1108.32	0.07	281.948	0.018	1751.67	0.111	419.111	0.027	429.231	0.027
1994	VENTURA	7	585.088	3014.3	10.304	28.564	0.098	553.053	1.89	1070.02	3.658	88.784	0.303
1994	DESERT	31	24962.7	5677.74	0.455	449.88	0.036	3331.56	0.267	1087.94	0.087	503.944	0.04
1994	SAN JOAQ	21	29774.6	841.578	0.057	247.949	0.017	1296.03	0.087	223.005	0.015	461.482	0.031
1994	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1994	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1994	OTHER	24	25993.1	9924.2	0.764	2763.81	0.213	7580.17	0.583	2762.17	0.213	1971.34	0.152
1994	S.CENTRL	9	15830.7	341.023	0.043	6.51	0.001	533.848	0.067	54.687	0.007	48.828	0.006
1994	N.CENTRL	14	15840	701.057	0.089	130.871	0.017	1428.96	0.18	278.463	0.035	289.79	0.037
1994	N. COAST	19	4584.5	117.838	0.051	408.718	0.178	51.333	0.022	34.08	0.015	85.305	0.037
1994	SACRAMTO	19	5493.55	278.412	0.101	46.067	0.017	166.962	0.061	88.679	0.032	112.758	0.041
1994	SANDIEGO	36	4514.46	1218.28	0.54	45.059	0.02	570.184	0.253	56.293	0.025	84.391	0.037
1995	SO-CST-I	16	-0.25	0	0	0	0	0	0	0	0	0	0
1995	SAN FRAN	30	23600	1300.75	0.11	228.262	0.019	1728.67	0.146	282.154	0.024	470.972	0.04
1995	SO-CST-C	45	30730.4	1086.34	0.071	275.325	0.018	1661.33	0.108	405.124	0.026	409.675	0.027
1995	VENTURA	7	450.771	2995.43	13.29	27.702	0.123	482.315	2.14	1062.78	4.715	82.314	0.365
1995	DESERT	31	24238.5	5428.12	0.448	443.006	0.037	3176.4	0.262	1015.85	0.084	485.493	0.04
1995	SAN JOAQ	21	28689.8	827.65	0.058	239.398	0.017	1289.68	0.09	215.999	0.015	445.991	0.031
1995	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1995	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1995	OTHER	24	25986.1	9915.29	0.763	2761.83	0.213	7574.21	0.583	2760.25	0.212	1970.16	0.152
1995	S.CENTRL	9	15565.9	253.136	0.033	4.887	0.001	400.752	0.051	41.053	0.005	36.654	0.005
1995	N.CENTRL	14	15125.2	655.35	0.087	126.171	0.017	1267.11	0.168	258.328	0.034	270.7	0.036
1995	N. COAST	19	4264.88	112.838	0.053	365.483	0.171	50.066	0.023	32.495	0.015	84.243	0.04
1995	SACRAMTO	19	5309.38	264.986	0.1	44.754	0.017	161.75	0.061	85.525	0.032	108.061	0.041
1995	SANDIEGO	36	4249.11	1215.09	0.572	42.895	0.02	568.98	0.268	54.649	0.026	80.572	0.038

Table G-25 WaterMax Scenario 2005 Regional Emissions

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1996	SO-CST-I	16	-0.171	0	0	0	0	0	0	0	0	0	0
1996	SAN FRAN	30	23922.6	1306.45	0.109	230.817	0.019	1736.93	0.145	285.401	0.024	476.28	0.04
1996	SO-CST-C	45	31002.8	1089.65	0.07	277.407	0.018	1676.37	0.108	407.91	0.026	414.278	0.027
1996	VENTURA	7	487.472	3002.12	12.317	27.958	0.115	503.33	2.065	1064.93	4.369	84.236	0.346
1996	DESERT	31	24418.1	5453.38	0.447	444.42	0.036	3193.87	0.262	1023.71	0.084	488.577	0.04
1996	SAN JOAQ	21	28901.2	826.431	0.057	240.741	0.017	1282.77	0.089	216.945	0.015	448.329	0.031
1996	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1996	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1996	OTHER	24	25992.7	9921.37	0.763	2763.69	0.213	7579.23	0.583	2761.99	0.213	1971.2	0.152
1996	S.CENTRL	9	15588.2	257.351	0.033	4.978	0.001	408.201	0.052	41.816	0.005	37.335	0.005
1996	N.CENTRL	14	15231.5	658.195	0.086	126.8	0.017	1280.44	0.168	260.351	0.034	272.686	0.036
1996	N. COAST	19	4275.52	113.323	0.053	365.892	0.171	50.189	0.023	32.567	0.015	84.286	0.039
1996	SACRAMTO	19	5359.72	268.471	0.1	45.057	0.017	163.004	0.061	86.3	0.032	109.274	0.041
1996	SANDIEGO	36	4247.41	1213.16	0.571	42.776	0.02	565.265	0.266	54.441	0.026	80.278	0.038
1997	SO-CST-I	16	-0.168	0	0	0	0	0	0	0	0	0	0
1997	SAN FRAN	30	24006.7	1307.57	0.109	231.84	0.019	1748.34	0.146	286.685	0.024	478.022	0.04
1997	SO-CST-C	45	31096.3	1091.83	0.07	277.93	0.018	1693.87	0.109	410.214	0.026	416.695	0.027
1997	VENTURA	7	489.824	3002.18	12.258	27.977	0.114	504.894	2.062	1065.09	4.349	84.379	0.345
1997	DESERT	31	24460	5426.8	0.444	444.664	0.036	3180.84	0.26	1016.59	0.083	488.335	0.04
1997	SAN JOAQ	21	28935.8	829.812	0.057	241.299	0.017	1289.04	0.089	217.514	0.015	449.409	0.031
1997	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1997	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1997	OTHER	24	25992.7	9921.28	0.763	2763.7	0.213	7579.23	0.583	2762	0.213	1971.21	0.152
1997	S.CENTRL	9	15608.6	258.953	0.033	5.128	0.001	420.53	0.054	43.079	0.006	38.463	0.005
1997	N.CENTRL	14	15274.9	653.993	0.086	127.139	0.017	1279.75	0.168	260.751	0.034	273.073	0.036
1997	N. COAST	19	4266.95	114.784	0.054	363.828	0.171	50.559	0.024	32.623	0.015	84.295	0.04
1997	SACRAMTO	19	5367.07	268.608	0.1	45.136	0.017	163.222	0.061	86.413	0.032	109.355	0.041
1997	SANDIEGO	36	4330.88	1214.15	0.561	43.447	0.02	564.56	0.261	54.933	0.025	81.453	0.038
1998	SO-CST-I	16	-0.206	0	0	0	0	0	0	0	0	0	0
1998	SAN FRAN	30	23684.6	1308.96	0.111	229.362	0.019	1743.88	0.147	284.145	0.024	473.518	0.04
1998	SO-CST-C	45	30714.8	1083.9	0.071	275.169	0.018	1652.16	0.108	403.854	0.026	408.452	0.027
1998	VENTURA	7	453.388	2996.36	13.218	27.729	0.122	484.53	2.137	1063.01	4.689	82.516	0.364
1998	DESERT	31	24301.5	5448.16	0.448	443.574	0.037	3189.51	0.262	1021.63	0.084	486.983	0.04
1998	SAN JOAQ	21	28660	822.31	0.057	238.775	0.017	1278.92	0.089	215.292	0.015	444.741	0.031
1998	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1998	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1998	OTHER	24	25991.2	9919.61	0.763	2763.31	0.213	7578.08	0.583	2761.62	0.213	1970.98	0.152

**Table G-25 WaterMax Scenario 2005 Regional Emissions**

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1998	S.CENTRL	9	15551.3	252.233	0.032	4.833	0.001	396.339	0.051	40.601	0.005	36.251	0.005
1998	N.CENTRL	14	15145.1	649.566	0.086	126.231	0.017	1258.46	0.166	257.661	0.034	270.199	0.036
1998	N. COAST	19	4254.71	114.87	0.054	364.009	0.171	50.581	0.024	32.579	0.015	84.261	0.04
1998	SACRAMTO	19	5309.54	264.71	0.1	44.763	0.017	161.746	0.061	85.497	0.032	107.948	0.041
1998	SANDIEGO	36	4232.94	1214.38	0.574	42.72	0.02	567.04	0.268	54.467	0.026	80.228	0.038



Table G-26 No Project Case 2005 Regional Emissions

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1975	SO-CST-I	16	-0.113	0	0	0	0	0	0	0	0	0	0
1975	SAN FRAN	30	24008.4	1314.75	0.11	231.811	0.019	1758.05	0.146	287.698	0.024	478.824	0.04
1975	SO-CST-C	45	30846.1	1090.42	0.071	276.068	0.018	1677.72	0.109	407.284	0.026	412.442	0.027
1975	VENTURA	7	468.296	2999.53	12.81	27.834	0.119	493.177	2.106	1063.89	4.544	83.307	0.356
1975	DESERT	31	24364.9	5474.61	0.449	444.2	0.036	3205.62	0.263	1029.25	0.084	488.769	0.04
1975	SAN JOAQ	21	29052	827.26	0.057	241.921	0.017	1281.13	0.088	217.862	0.015	450.435	0.031
1975	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1975	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1975	OTHER	24	25993.1	9921.9	0.763	2763.81	0.213	7579.59	0.583	2762.11	0.213	1971.27	0.152
1975	S.CENTRL	9	15605.9	264.035	0.034	5.18	0.001	424.783	0.054	43.514	0.006	38.852	0.005
1975	N.CENTRL	14	15285.2	673.839	0.088	127.502	0.017	1302.62	0.17	263.095	0.034	275.3	0.036
1975	N. COAST	19	4315.38	117.216	0.054	372.208	0.173	51.175	0.024	32.965	0.015	84.496	0.039
1975	SACRAMTO	19	5348.77	267.39	0.1	45.084	0.017	162.943	0.061	86.195	0.032	108.898	0.041
1975	SANDIEGO	36	4315.24	1216.07	0.564	43.476	0.02	569.596	0.264	55.059	0.026	81.569	0.038
1976	SO-CST-I	16	-0.28	0	0	0	0	0	0	0	0	0	0
1976	SAN FRAN	30	25196.4	1428.75	0.113	245.412	0.019	2066.39	0.164	322.802	0.026	516.09	0.041
1976	SO-CST-C	45	31620.4	1112.31	0.07	281.915	0.018	1769.16	0.112	421.046	0.027	430.533	0.027
1976	VENTURA	7	624.498	3020.95	9.675	28.825	0.092	574.414	1.84	1072.21	3.434	90.737	0.291
1976	DESERT	31	24998	5725.27	0.458	450.451	0.036	3359.03	0.269	1101.17	0.088	506.165	0.04
1976	SAN JOAQ	21	29685.2	843.393	0.057	247.588	0.017	1301.43	0.088	222.818	0.015	460.895	0.031
1976	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1976	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1976	OTHER	24	25992.4	9923.62	0.764	2763.58	0.213	7579.59	0.583	2761.96	0.213	1971.22	0.152
1976	S.CENTRL	9	15867.5	358.37	0.045	6.785	0.001	556.411	0.07	56.998	0.007	50.891	0.006
1976	N.CENTRL	14	15901.9	714.139	0.09	131.33	0.017	1464.4	0.184	282.068	0.035	293.024	0.037
1976	N. COAST	19	4631.35	118.204	0.051	415	0.179	51.425	0.022	34.29	0.015	85.452	0.037
1976	SACRAMTO	19	5494.11	278.516	0.101	46.098	0.017	167.079	0.061	88.715	0.032	112.742	0.041
1976	SANDIEGO	36	4500.09	1219.01	0.542	45	0.02	572.295	0.254	56.328	0.025	84.342	0.037
1977	SO-CST-I	16	-0.129	0	0	0	0	0	0	0	0	0	0
1977	SAN FRAN	30	25544.8	1457.25	0.114	249.424	0.02	2167.84	0.17	333.798	0.026	527.195	0.041
1977	SO-CST-C	45	31841.6	1134.52	0.071	283.676	0.018	1846.73	0.116	429.662	0.027	439.089	0.028
1977	VENTURA	7	643.766	3027.77	9.406	29	0.09	588.752	1.829	1073.68	3.336	92.049	0.286
1977	DESERT	31	25107	5788.96	0.461	451.58	0.036	3397.32	0.271	1118.99	0.089	509.769	0.041
1977	SAN JOAQ	21	29755.5	845.046	0.057	248.202	0.017	1303.32	0.088	223.351	0.015	462.026	0.031
1977	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0

**Table G-26 No Project Case 2005 Regional Emissions**

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1977	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1977	OTHER	24	25993.1	9925.04	0.764	2763.82	0.213	7580.38	0.583	2762.19	0.213	1971.37	0.152
1977	S.CENTRL	9	15958.3	380.738	0.048	7.269	0.001	596.025	0.075	61.056	0.008	54.515	0.007
1977	N.CENTRL	14	16062.4	733.045	0.091	132.269	0.016	1517.02	0.189	287.823	0.036	298.405	0.037
1977	N. COAST	19	4753.75	117.048	0.049	432.497	0.182	51.132	0.022	34.709	0.015	85.786	0.036
1977	SACRAMTO	19	5525.17	281.006	0.102	46.292	0.017	167.918	0.061	89.24	0.032	113.594	0.041
1977	SANDIEGO	36	4524.02	1218.21	0.539	45.208	0.02	571.335	0.253	56.365	0.025	84.618	0.037
1978	SO-CST-I	16	-0.22	0	0	0	0	0	0	0	0	0	0
1978	SAN FRAN	30	24002.9	1320.31	0.11	232.023	0.019	1775.23	0.148	289.118	0.024	479.842	0.04
1978	SO-CST-C	45	30931	1092.21	0.071	276.785	0.018	1689.78	0.109	408.726	0.026	414.322	0.027
1978	VENTURA	7	475.457	2999.06	12.615	27.861	0.117	495.374	2.084	1064.12	4.476	83.508	0.351
1978	DESERT	31	24370.3	5455.45	0.448	444.244	0.036	3195.75	0.262	1023.98	0.084	488.374	0.04
1978	SAN JOAQ	21	28939.4	828.475	0.057	241.239	0.017	1285.99	0.089	217.409	0.015	449.266	0.031
1978	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1978	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1978	OTHER	24	25992.3	9921.29	0.763	2763.6	0.213	7579.04	0.583	2761.91	0.213	1971.16	0.152
1978	S.CENTRL	9	15618.4	268.533	0.034	5.249	0.001	430.438	0.055	44.094	0.006	39.369	0.005
1978	N.CENTRL	14	15286	668.619	0.087	127.355	0.017	1303.64	0.171	263.044	0.034	275.156	0.036
1978	N. COAST	19	4336.97	116.465	0.054	375.319	0.173	50.985	0.024	33.006	0.015	84.542	0.039
1978	SACRAMTO	19	5341.25	266.807	0.1	45.026	0.017	162.708	0.061	86.06	0.032	108.709	0.041
1978	SANDIEGO	36	4307.52	1216.65	0.565	43.377	0.02	568.427	0.264	54.966	0.026	81.385	0.038
1979	SO-CST-I	16	-0.154	0	0	0	0	0	0	0	0	0	0
1979	SAN FRAN	30	24546.3	1381.58	0.113	238.352	0.019	1926.04	0.157	306.365	0.025	497.827	0.041
1979	SO-CST-C	45	31308.1	1102.61	0.07	279.606	0.018	1723.81	0.11	414.46	0.026	422.292	0.027
1979	VENTURA	7	538.324	3011.16	11.187	28.311	0.105	532.317	1.978	1067.9	3.968	86.887	0.323
1979	DESERT	31	24635	5581.85	0.453	446.836	0.036	3270.4	0.266	1059.96	0.086	496.135	0.04
1979	SAN JOAQ	21	29289.8	831.904	0.057	243.947	0.017	1285.62	0.088	219.583	0.015	454.144	0.031
1979	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1979	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1979	OTHER	24	25993.1	9923.12	0.764	2763.81	0.213	7579.9	0.583	2762.14	0.213	1971.31	0.152
1979	S.CENTRL	9	15736.6	308.865	0.039	5.916	0.001	485.088	0.062	49.692	0.006	44.368	0.006
1979	N.CENTRL	14	15572.7	687.494	0.088	129.188	0.017	1373.28	0.176	271.426	0.035	283.062	0.036
1979	N. COAST	19	4448.63	117.341	0.053	391.349	0.176	51.207	0.023	33.506	0.015	84.892	0.038
1979	SACRAMTO	19	5413.69	272.639	0.101	45.514	0.017	164.775	0.061	87.322	0.032	110.678	0.041
1979	SANDIEGO	36	4409.46	1216.61	0.552	44.271	0.02	570.966	0.259	55.741	0.025	83.033	0.038
1980	SO-CST-I	16	-0.146	0	0	0	0	0	0	0	0	0	0

Table G-26 No Project Case 2005 Regional Emissions

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1980	SAN FRAN	30	24032.1	1324.59	0.11	232.693	0.019	1784.31	0.148	290.107	0.024	481.114	0.04
1980	SO-CST-C	45	31005	1095.17	0.071	277.554	0.018	1697.08	0.109	409.928	0.026	416.16	0.027
1980	VENTURA	7	483.323	3001.08	12.419	27.926	0.116	500.713	2.072	1064.66	4.406	83.996	0.348
1980	DESERT	31	24316.4	5454.1	0.449	443.745	0.036	3193.65	0.263	1023.17	0.084	487.44	0.04
1980	SAN JOAQ	21	28931	828.218	0.057	241.231	0.017	1285.39	0.089	217.391	0.015	449.243	0.031
1980	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1980	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1980	OTHER	24	25992.3	9921.16	0.763	2763.55	0.213	7578.91	0.583	2761.87	0.213	1971.13	0.152
1980	S.CENTRL	9	15633	266.37	0.034	5.317	0.001	435.987	0.056	44.662	0.006	39.877	0.005
1980	N.CENTRL	14	15289.1	675.392	0.088	127.48	0.017	1312.46	0.172	263.976	0.035	275.965	0.036
1980	N. COAST	19	4330.52	117.336	0.054	374.565	0.173	51.205	0.024	33.033	0.015	84.544	0.039
1980	SACRAMTO	19	5337.22	266.624	0.1	44.995	0.017	162.611	0.061	85.998	0.032	108.622	0.041
1980	SANDIEGO	36	4322	1216.29	0.563	43.552	0.02	568.941	0.263	55.049	0.025	81.653	0.038
1981	SO-CST-I	16	-0.133	0	0	0	0	0	0	0	0	0	0
1981	SAN FRAN	30	24734	1388.16	0.112	239.891	0.019	1929.22	0.156	307.582	0.025	500.486	0.04
1981	SO-CST-C	45	31373.4	1100.9	0.07	280.187	0.018	1727.32	0.11	415.114	0.026	423.776	0.027
1981	VENTURA	7	538.578	3008.13	11.171	28.272	0.105	529.114	1.965	1067.57	3.964	86.594	0.322
1981	DESERT	31	24742.8	5589.24	0.452	447.77	0.036	3278.6	0.265	1062.48	0.086	497.953	0.04
1981	SAN JOAQ	21	29402.4	835.764	0.057	244.995	0.017	1291.53	0.088	220.539	0.015	456.102	0.031
1981	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1981	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1981	OTHER	24	25993.1	9923.11	0.764	2763.81	0.213	7579.89	0.583	2762.14	0.213	1971.31	0.152
1981	S.CENTRL	9	15754	320.986	0.041	6.145	0.001	503.904	0.064	51.619	0.007	46.089	0.006
1981	N.CENTRL	14	15663.6	701.777	0.09	129.861	0.017	1396.36	0.178	274.401	0.035	285.934	0.037
1981	N. COAST	19	4462.99	121.674	0.055	392.62	0.176	52.304	0.023	33.829	0.015	85.039	0.038
1981	SACRAMTO	19	5454.41	275.582	0.101	45.795	0.017	165.91	0.061	87.997	0.032	111.671	0.041
1981	SANDIEGO	36	4444.56	1218.1	0.548	44.589	0.02	571.324	0.257	55.927	0.025	83.55	0.038
1982	SO-CST-I	16	-0.125	0	0	0	0	0	0	0	0	0	0
1982	SAN FRAN	30	23697.7	1310.03	0.111	229.554	0.019	1756.92	0.148	285.297	0.024	474.447	0.04
1982	SO-CST-C	45	30765.1	1089.56	0.071	275.684	0.018	1678.82	0.109	406.469	0.026	411.067	0.027
1982	VENTURA	7	479.587	3000.07	12.511	27.897	0.116	498.309	2.078	1064.42	4.439	83.777	0.349
1982	DESERT	31	24334.5	5464.98	0.449	444.064	0.036	3202.59	0.263	1026.22	0.084	488.259	0.04
1982	SAN JOAQ	21	28650.7	824.537	0.058	238.968	0.017	1283.65	0.09	215.537	0.015	445.144	0.031
1982	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1982	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1982	OTHER	24	25991.6	9920.23	0.763	2763.43	0.213	7578.45	0.583	2761.74	0.213	1971.05	0.152

Table G-26 No Project Case 2005 Regional Emissions

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1982	S.CENTRL	9	15600.3	259.745	0.033	5.067	0.001	415.534	0.053	42.567	0.005	38.006	0.005
1982	N.CENTRL	14	15225.5	659.689	0.087	126.752	0.017	1288.97	0.169	260.942	0.034	273.177	0.036
1982	N. COAST	19	4257.75	114.382	0.054	365.073	0.171	50.457	0.024	32.561	0.015	84.259	0.04
1982	SACRAMTO	19	5305.91	264.19	0.1	44.774	0.017	161.715	0.061	85.442	0.032	107.758	0.041
1982	SANDIEGO	36	4211.87	1214.05	0.576	42.605	0.02	566.778	0.269	54.262	0.026	79.933	0.038
1983	SO-CST-I	16	-0.146	0	0	0	0	0	0	0	0	0	0
1983	SAN FRAN	30	23116.3	1292.6	0.112	224.515	0.019	1702.29	0.147	276.463	0.024	462.995	0.04
1983	SO-CST-C	45	30482.2	1079.41	0.071	273.296	0.018	1645.02	0.108	401.81	0.026	404.601	0.027
1983	VENTURA	7	463.108	2996.05	12.939	27.765	0.12	487.554	2.106	1063.32	4.592	82.793	0.358
1983	DESERT	31	24063.2	5416.85	0.45	441.721	0.037	3170.55	0.264	1011.52	0.084	482.936	0.04
1983	SAN JOAQ	21	28231.5	822.516	0.058	235.99	0.017	1287.99	0.091	213.225	0.015	439.829	0.031
1983	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1983	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1983	OTHER	24	25990.9	9919.63	0.763	2763.43	0.213	7578.32	0.583	2761.73	0.213	1971.03	0.152
1983	S.CENTRL	9	15542.1	239.392	0.031	4.719	0.001	386.97	0.05	39.641	0.005	35.394	0.005
1983	N.CENTRL	14	15049.8	651.801	0.087	125.632	0.017	1257.67	0.167	256.745	0.034	269.161	0.036
1983	N. COAST	19	4224.12	113.109	0.054	359.897	0.17	50.135	0.024	32.348	0.015	84.129	0.04
1983	SACRAMTO	19	5263.46	261.47	0.099	44.476	0.017	160.586	0.061	84.757	0.032	106.765	0.041
1983	SANDIEGO	36	4111.71	1215.87	0.591	41.963	0.02	572.722	0.279	53.997	0.026	78.955	0.038
1984	SO-CST-I	16	-0.18	0	0	0	0	0	0	0	0	0	0
1984	SAN FRAN	30	24109	1326.71	0.11	233.049	0.019	1783.59	0.148	290.553	0.024	481.948	0.04
1984	SO-CST-C	45	30953.1	1093.05	0.071	277.088	0.018	1690.07	0.109	408.825	0.026	414.821	0.027
1984	VENTURA	7	481.487	3001.8	12.469	27.929	0.116	500.942	2.081	1064.69	4.422	84.017	0.349
1984	DESERT	31	24394.1	5454.39	0.447	444.417	0.036	3196.24	0.262	1023.71	0.084	488.625	0.04
1984	SAN JOAQ	21	29032.6	828.575	0.057	241.863	0.017	1284.29	0.088	217.878	0.015	450.37	0.031
1984	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1984	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1984	OTHER	24	25993.1	9921.96	0.763	2763.81	0.213	7579.6	0.583	2762.11	0.213	1971.28	0.152
1984	S.CENTRL	9	15606.7	263.939	0.034	5.205	0.001	426.772	0.055	43.718	0.006	39.034	0.005
1984	N.CENTRL	14	15335.8	678.39	0.088	127.849	0.017	1315.75	0.172	264.741	0.035	276.797	0.036
1984	N. COAST	19	4305.01	118.37	0.055	371.133	0.172	51.467	0.024	32.995	0.015	84.493	0.039
1984	SACRAMTO	19	5362.4	268.351	0.1	45.175	0.017	163.318	0.061	86.41	0.032	109.203	0.041
1984	SANDIEGO	36	4309.82	1215.21	0.564	43.409	0.02	567.734	0.263	54.933	0.025	81.398	0.038
1985	SO-CST-I	16	-0.219	0	0	0	0	0	0	0	0	0	0
1985	SAN FRAN	30	24757.2	1391.27	0.112	240.086	0.019	1927.82	0.156	307.777	0.025	500.909	0.04
1985	SO-CST-C	45	31373.8	1098.71	0.07	280.122	0.018	1717.1	0.109	414.302	0.026	423.094	0.027

Table G-26 No Project Case 2005 Regional Emissions

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1985	VENTURA	7	513.62	3005.85	11.705	28.127	0.11	517.222	2.014	1066.35	4.152	85.506	0.333
1985	DESERT	31	24794	5590.15	0.451	448.191	0.036	3279.71	0.265	1063.17	0.086	498.748	0.04
1985	SAN JOAQ	21	29490.5	835.365	0.057	245.545	0.017	1288.97	0.087	220.931	0.015	457.063	0.031
1985	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1985	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1985	OTHER	24	25993.1	9923.22	0.764	2763.81	0.213	7579.92	0.583	2762.14	0.213	1971.31	0.152
1985	S.CENTRL	9	15730.6	312.924	0.04	5.97	0.001	489.527	0.062	50.147	0.006	44.774	0.006
1985	N.CENTRL	14	15605.3	699.601	0.09	129.656	0.017	1381.19	0.177	272.734	0.035	284.401	0.036
1985	N. COAST	19	4504	120.765	0.054	398.496	0.177	52.074	0.023	33.938	0.015	85.138	0.038
1985	SACRAMTO	19	5441.23	274.268	0.101	45.718	0.017	165.509	0.061	87.766	0.032	111.301	0.041
1985	SANDIEGO	36	4428.58	1218.55	0.55	44.452	0.02	572.853	0.259	55.96	0.025	83.41	0.038
1986	SO-CST-I	16	-0.182	0	0	0	0	0	0	0	0	0	0
1986	SAN FRAN	30	24009.7	1328.31	0.111	232.726	0.019	1801.7	0.15	291.503	0.024	481.945	0.04
1986	SO-CST-C	45	31018.9	1093.4	0.07	277.576	0.018	1692.79	0.109	409.49	0.026	415.796	0.027
1986	VENTURA	7	487.531	3002.93	12.319	27.972	0.115	504.513	2.07	1065.05	4.369	84.344	0.346
1986	DESERT	31	24339.9	5458.33	0.449	443.784	0.036	3192.76	0.262	1024.62	0.084	487.61	0.04
1986	SAN JOAQ	21	28937.6	830.439	0.057	241.386	0.017	1290.15	0.089	217.608	0.015	449.581	0.031
1986	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1986	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1986	OTHER	24	25991.9	9921.03	0.763	2763.49	0.213	7578.77	0.583	2761.81	0.213	1971.1	0.152
1986	S.CENTRL	9	15618.5	263.176	0.034	5.227	0.001	428.58	0.055	43.903	0.006	39.199	0.005
1986	N.CENTRL	14	15276.6	663.173	0.087	127.17	0.017	1301	0.17	262.537	0.034	274.675	0.036
1986	N. COAST	19	4353.09	114.572	0.053	376.675	0.173	50.505	0.023	32.954	0.015	84.544	0.039
1986	SACRAMTO	19	5356.39	268.372	0.1	45.08	0.017	163.065	0.061	86.304	0.032	109.202	0.041
1986	SANDIEGO	36	4316.24	1216.4	0.564	43.526	0.02	570.175	0.264	55.117	0.026	81.672	0.038
1987	SO-CST-I	16	-0.163	0	0	0	0	0	0	0	0	0	0
1987	SAN FRAN	30	25028.2	1426.17	0.114	243.835	0.019	2033.09	0.162	318.836	0.025	511.801	0.041
1987	SO-CST-C	45	31518.5	1108.24	0.07	281.2	0.018	1742.61	0.111	417.708	0.027	427.077	0.027
1987	VENTURA	7	570.782	3013.82	10.56	28.495	0.1	547.392	1.918	1069.44	3.747	88.266	0.309
1987	DESERT	31	24893.5	5670.23	0.456	449.395	0.036	3327.38	0.267	1085.45	0.087	502.901	0.04
1987	SAN JOAQ	21	29575.6	840.207	0.057	246.573	0.017	1297.07	0.088	221.916	0.015	459.013	0.031
1987	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1987	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1987	OTHER	24	25992.8	9923.6	0.764	2763.7	0.213	7579.8	0.583	2762.06	0.213	1971.27	0.152
1987	S.CENTRL	9	15822.9	343.144	0.043	6.524	0.001	534.964	0.068	54.801	0.007	48.93	0.006
1987	N.CENTRL	14	15776.1	710.326	0.09	130.619	0.017	1428.43	0.181	278.035	0.035	289.367	0.037

Table G-26 No Project Case 2005 Regional Emissions

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1987	N. COAST	19	4601.28	118.812	0.052	409.917	0.178	51.579	0.022	34.207	0.015	85.378	0.037
1987	SACRAMTO	19	5476.65	276.906	0.101	45.983	0.017	166.558	0.061	88.392	0.032	112.211	0.041
1987	SANDIEGO	36	4476.34	1217.36	0.544	44.809	0.02	570.196	0.255	56.021	0.025	83.884	0.037
1988	SO-CST-I	16	-0.146	0	0	0	0	0	0	0	0	0	0
1988	SAN FRAN	30	25197.2	1434.13	0.114	245.48	0.019	2076.88	0.165	323.814	0.026	516.769	0.041
1988	SO-CST-C	45	31575	1113.89	0.071	281.706	0.018	1759.82	0.111	419.756	0.027	429.331	0.027
1988	VENTURA	7	582.618	3013.84	10.346	28.534	0.098	550.613	1.89	1069.77	3.672	88.561	0.304
1988	DESERT	31	24945.3	5717.53	0.458	449.947	0.036	3352.09	0.269	1098.87	0.088	505.079	0.04
1988	SAN JOAQ	21	29674.8	842.957	0.057	247.489	0.017	1300.75	0.088	222.725	0.015	460.709	0.031
1988	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1988	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1988	OTHER	24	25992.8	9924.06	0.764	2763.71	0.213	7579.93	0.583	2762.08	0.213	1971.29	0.152
1988	S.CENTRL	9	15871.1	361.795	0.046	6.823	0.001	559.456	0.07	57.31	0.007	51.17	0.006
1988	N.CENTRL	14	15852.1	713.652	0.09	131.082	0.017	1455.05	0.184	280.907	0.035	291.946	0.037
1988	N. COAST	19	4637.38	118.442	0.051	416.962	0.18	51.486	0.022	34.329	0.015	85.476	0.037
1988	SACRAMTO	19	5483.7	277.551	0.101	46.036	0.017	166.777	0.061	88.533	0.032	112.444	0.041
1988	SANDIEGO	36	4471.27	1219.55	0.546	44.78	0.02	574.235	0.257	56.297	0.025	84.055	0.038
1989	SO-CST-I	16	-0.223	0	0	0	0	0	0	0	0	0	0
1989	SAN FRAN	30	24904.5	1410.19	0.113	242.595	0.019	2017.32	0.162	316.79	0.025	508.736	0.041
1989	SO-CST-C	45	31385.5	1104.93	0.07	280.277	0.018	1734.07	0.111	415.983	0.027	424.429	0.027
1989	VENTURA	7	563.201	3012.43	10.698	28.434	0.101	542.359	1.926	1068.93	3.796	87.806	0.312
1989	DESERT	31	24701.7	5599.12	0.453	447.493	0.036	3282.35	0.266	1065.05	0.086	497.738	0.04
1989	SAN JOAQ	21	29438.9	836.391	0.057	245.293	0.017	1292.07	0.088	220.789	0.015	456.646	0.031
1989	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1989	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1989	OTHER	24	25993.1	9923.47	0.764	2763.81	0.213	7579.98	0.583	2762.15	0.213	1971.32	0.152
1989	S.CENTRL	9	15768.1	323.707	0.041	6.12	0.001	501.855	0.064	51.41	0.007	45.901	0.006
1989	N.CENTRL	14	15680.8	684.237	0.087	129.653	0.017	1388.54	0.177	273.391	0.035	284.986	0.036
1989	N. COAST	19	4497.77	116.3	0.052	397.427	0.177	50.943	0.023	33.639	0.015	85.013	0.038
1989	SACRAMTO	19	5436.27	274.225	0.101	45.678	0.017	165.414	0.061	87.703	0.032	111.23	0.041
1989	SANDIEGO	36	4428.09	1217.67	0.55	44.389	0.02	570.738	0.258	55.832	0.025	83.243	0.038
1990	SO-CST-I	16	-0.212	0	0	0	0	0	0	0	0	0	0
1990	SAN FRAN	30	25199.3	1432.01	0.114	245.372	0.019	2057.43	0.163	322.111	0.026	515.467	0.041
1990	SO-CST-C	45	31621.5	1113.01	0.07	281.911	0.018	1773.19	0.112	421.329	0.027	430.551	0.027
1990	VENTURA	7	638.215	3019.79	9.463	28.874	0.09	578.425	1.813	1072.62	3.361	91.104	0.285
1990	DESERT	31	24968	5717.35	0.458	450.062	0.036	3352.24	0.269	1098.91	0.088	505.274	0.04

Table G-26 No Project Case 2005 Regional Emissions

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1990	SAN JOAQ	21	29721.5	840.822	0.057	247.571	0.017	1295.39	0.087	222.688	0.015	460.793	0.031
1990	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1990	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1990	OTHER	24	25992.8	9923.87	0.764	2763.68	0.213	7579.84	0.583	2762.05	0.213	1971.27	0.152
1990	S.CENTRL	9	15835.6	346.316	0.044	6.572	0.001	538.939	0.068	55.208	0.007	49.293	0.006
1990	N.CENTRL	14	15850.6	703.186	0.089	130.925	0.017	1438.92	0.182	279.393	0.035	290.592	0.037
1990	N. COAST	19	4614.64	118.288	0.051	414.186	0.18	51.447	0.022	34.228	0.015	85.405	0.037
1990	SACRAMTO	19	5489.5	278.06	0.101	46.056	0.017	166.898	0.061	88.616	0.032	112.608	0.041
1990	SANDIEGO	36	4469.33	1219.15	0.546	44.733	0.02	571.564	0.256	56.098	0.025	83.852	0.038
1991	SO-CST-I	16	-0.154	0	0	0	0	0	0	0	0	0	0
1991	SAN FRAN	30	25147.8	1427.74	0.114	244.955	0.019	2061.63	0.164	321.795	0.026	514.861	0.041
1991	SO-CST-C	45	31647.4	1115.34	0.07	282.093	0.018	1781.31	0.113	422.109	0.027	431.605	0.027
1991	VENTURA	7	596.494	3017.56	10.118	28.663	0.096	561.163	1.882	1070.86	3.59	89.525	0.3
1991	DESERT	31	24939.5	5713.14	0.458	449.796	0.036	3350.09	0.269	1097.45	0.088	504.676	0.04
1991	SAN JOAQ	21	29688.6	840.53	0.057	247.34	0.017	1295.36	0.087	222.503	0.015	460.378	0.031
1991	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1991	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1991	OTHER	24	25992.8	9924	0.764	2763.7	0.213	7579.9	0.583	2762.07	0.213	1971.28	0.152
1991	S.CENTRL	9	15834.3	339.25	0.043	6.528	0.001	535.282	0.068	54.834	0.007	48.959	0.006
1991	N.CENTRL	14	15870.6	704.96	0.089	130.98	0.017	1447.49	0.182	280.133	0.035	291.285	0.037
1991	N. COAST	19	4610.51	117.077	0.051	413.146	0.179	51.14	0.022	34.137	0.015	85.364	0.037
1991	SACRAMTO	19	5482.4	277.747	0.101	46.014	0.017	166.758	0.061	88.521	0.032	112.462	0.041
1991	SANDIEGO	36	4518	1219.29	0.54	45.152	0.02	572.74	0.254	56.475	0.025	84.634	0.037
1992	SO-CST-I	16	-0.111	0	0	0	0	0	0	0	0	0	0
1992	SAN FRAN	30	25340	1430.47	0.113	246.842	0.019	2089.84	0.165	325.971	0.026	519.303	0.041
1992	SO-CST-C	45	31666.2	1118.8	0.071	282.454	0.018	1780.47	0.112	422.004	0.027	431.975	0.027
1992	VENTURA	7	601.53	3017.56	10.033	28.667	0.095	561.444	1.867	1070.88	3.561	89.551	0.298
1992	DESERT	31	25000.3	5706.79	0.457	450.215	0.036	3346.86	0.268	1096.19	0.088	505.263	0.04
1992	SAN JOAQ	21	29760.2	842.28	0.057	247.989	0.017	1297.56	0.087	223.067	0.015	461.573	0.031
1992	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1992	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1992	OTHER	24	25992.8	9923.58	0.764	2763.69	0.213	7579.78	0.583	2762.05	0.213	1971.27	0.152
1992	S.CENTRL	9	15885.5	348.389	0.044	6.786	0.001	556.48	0.07	57.005	0.007	50.898	0.006
1992	N.CENTRL	14	15884.1	706.912	0.089	131.106	0.017	1454.19	0.183	280.866	0.035	291.892	0.037
1992	N. COAST	19	4579.15	118.872	0.052	407.89	0.178	51.595	0.023	34.122	0.015	85.314	0.037
1992	SACRAMTO	19	5484.36	277.717	0.101	46.036	0.017	166.808	0.061	88.546	0.032	112.469	0.041

Table G-26 No Project Case 2005 Regional Emissions

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1992	SANDIEGO	36	4526.45	1219.78	0.539	45.188	0.02	573.876	0.254	56.624	0.025	84.791	0.037
1993	SO-CST-I	16	-0.181	0	0	0	0	0	0	0	0	0	0
1993	SAN FRAN	30	24119.6	1334.07	0.111	233.479	0.019	1813.45	0.15	293.418	0.024	484.064	0.04
1993	SO-CST-C	45	30938.3	1091.38	0.071	276.74	0.018	1689.27	0.109	408.697	0.026	414.297	0.027
1993	VENTURA	7	474.272	3001.46	12.657	27.889	0.118	497.7	2.099	1064.35	4.488	83.721	0.353
1993	DESERT	31	24391.6	5479.94	0.449	444.433	0.036	3209.2	0.263	1030.74	0.085	489.308	0.04
1993	SAN JOAQ	21	29056.3	830.933	0.057	242.177	0.017	1288.84	0.089	218.219	0.015	450.99	0.031
1993	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1993	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1993	OTHER	24	25993.1	9922.06	0.763	2763.81	0.213	7579.63	0.583	2762.11	0.213	1971.28	0.152
1993	S.CENTRL	9	15637	272.402	0.035	5.271	0.001	432.252	0.055	44.28	0.006	39.535	0.005
1993	N.CENTRL	14	15317	666.535	0.087	127.524	0.017	1309.31	0.171	263.63	0.034	275.751	0.036
1993	N. COAST	19	4332.85	113.746	0.053	374.789	0.173	50.296	0.023	32.822	0.015	84.465	0.039
1993	SACRAMTO	19	5344.74	267.238	0.1	45.044	0.017	162.813	0.061	86.133	0.032	108.854	0.041
1993	SANDIEGO	36	4286.09	1216.05	0.567	43.228	0.02	569.023	0.266	54.835	0.026	81.106	0.038
1994	SO-CST-I	16	-0.159	0	0	0	0	0	0	0	0	0	0
1994	SAN FRAN	30	25233.8	1432.44	0.114	245.502	0.019	2057.46	0.163	322.521	0.026	516.041	0.041
1994	SO-CST-C	45	31625.4	1112.31	0.07	281.989	0.018	1760.88	0.111	420.015	0.027	429.918	0.027
1994	VENTURA	7	589.81	3015.4	10.225	28.593	0.097	555.448	1.883	1070.27	3.629	89.003	0.302
1994	DESERT	31	24978	5716.35	0.458	450.2	0.036	3353.62	0.269	1098.57	0.088	505.482	0.04
1994	SAN JOAQ	21	29723.4	842.005	0.057	247.689	0.017	1297.84	0.087	222.83	0.015	461.034	0.031
1994	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1994	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1994	OTHER	24	25992.8	9923.71	0.764	2763.68	0.213	7579.8	0.583	2762.04	0.213	1971.27	0.152
1994	S.CENTRL	9	15846.9	345.636	0.044	6.635	0.001	544.107	0.069	55.738	0.007	49.766	0.006
1994	N.CENTRL	14	15856.3	707.743	0.089	130.998	0.017	1442.86	0.182	279.827	0.035	291.025	0.037
1994	N. COAST	19	4606.92	117.59	0.051	412.741	0.179	51.27	0.022	34.155	0.015	85.365	0.037
1994	SACRAMTO	19	5487.75	277.961	0.101	46.043	0.017	166.85	0.061	88.589	0.032	112.574	0.041
1994	SANDIEGO	36	4476.67	1219	0.545	44.817	0.02	572.89	0.256	56.224	0.025	84.044	0.038
1995	SO-CST-I	16	-0.168	0	0	0	0	0	0	0	0	0	0
1995	SAN FRAN	30	23552.5	1310.65	0.111	228.41	0.019	1760.18	0.149	284.63	0.024	472.614	0.04
1995	SO-CST-C	45	30715	1088.3	0.071	275.414	0.018	1661.57	0.108	404.72	0.026	409.448	0.027
1995	VENTURA	7	461.778	2995.98	12.976	27.76	0.12	487.13	2.11	1063.27	4.605	82.754	0.358
1995	DESERT	31	24222	5437.85	0.449	443.101	0.037	3186.04	0.263	1018.11	0.084	485.907	0.04
1995	SAN JOAQ	21	28568.5	824.169	0.058	238.402	0.017	1284.42	0.09	215.099	0.015	444.135	0.031
1995	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0



Table G-26 No Project Case 2005 Regional Emissions

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1995	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1995	OTHER	24	25984.8	9914.08	0.763	2761.44	0.213	7573.16	0.583	2759.88	0.212	1969.94	0.152
1995	S.CENTRL	9	15600.8	264.651	0.034	5.107	0.001	418.744	0.054	42.896	0.005	38.3	0.005
1995	N.CENTRL	14	15145.2	661.211	0.087	126.287	0.017	1282.77	0.169	259.763	0.034	272.007	0.036
1995	N. COAST	19	4305.71	114.307	0.053	371.318	0.172	50.438	0.023	32.748	0.015	84.398	0.039
1995	SACRAMTO	19	5291.53	263.761	0.1	44.664	0.017	161.373	0.061	85.258	0.032	107.58	0.041
1995	SANDIEGO	36	4234.77	1217.19	0.575	42.938	0.02	572.165	0.27	54.706	0.026	80.656	0.038
1996	SO-CST-I	16	-0.159	0	0	0	0	0	0	0	0	0	0
1996	SAN FRAN	30	23940.8	1320.9	0.11	231.769	0.019	1782.99	0.149	289.234	0.024	479.596	0.04
1996	SO-CST-C	45	31038.6	1095.54	0.071	277.734	0.018	1710.66	0.11	411.11	0.026	417.145	0.027
1996	VENTURA	7	487.36	3001.26	12.316	27.947	0.115	502.475	2.062	1064.84	4.37	84.158	0.345
1996	DESERT	31	24423.1	5479.88	0.449	444.743	0.036	3211.18	0.263	1030.79	0.084	489.834	0.04
1996	SAN JOAQ	21	28889.2	826.629	0.057	240.742	0.017	1283.17	0.089	216.954	0.015	448.336	0.031
1996	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1996	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1996	OTHER	24	25990.8	9919.53	0.763	2763.15	0.213	7577.75	0.583	2761.48	0.212	1970.9	0.152
1996	S.CENTRL	9	15626.6	272.519	0.035	5.265	0.001	431.716	0.055	44.225	0.006	39.486	0.005
1996	N.CENTRL	14	15265.4	658.592	0.086	127.041	0.017	1286.66	0.169	261.172	0.034	273.496	0.036
1996	N. COAST	19	4314.66	114.452	0.053	371.857	0.172	50.475	0.023	32.793	0.015	84.428	0.039
1996	SACRAMTO	19	5337.28	266.788	0.1	44.958	0.017	162.537	0.061	85.973	0.032	108.66	0.041
1996	SANDIEGO	36	4280.8	1214.79	0.568	43.073	0.02	567.607	0.265	54.793	0.026	80.896	0.038
1997	SO-CST-I	16	-0.121	0	0	0	0	0	0	0	0	0	0
1997	SAN FRAN	30	24056.6	1314.74	0.109	232.54	0.019	1766.61	0.147	288.431	0.024	479.994	0.04
1997	SO-CST-C	45	31046.8	1094.5	0.071	277.793	0.018	1698.01	0.109	410.289	0.026	416.651	0.027
1997	VENTURA	7	494.863	3002.45	12.134	28.003	0.113	507.039	2.049	1065.31	4.305	84.575	0.342
1997	DESERT	31	24398	5458.42	0.447	444.376	0.036	3197.11	0.262	1024.89	0.084	488.652	0.04
1997	SAN JOAQ	21	28930.7	829.398	0.057	241.272	0.017	1288.07	0.089	217.475	0.015	449.35	0.031
1997	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1997	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1997	OTHER	24	25993.1	9921.89	0.763	2763.81	0.213	7579.59	0.583	2762.11	0.213	1971.27	0.152
1997	S.CENTRL	9	15623.4	265.177	0.034	5.284	0.001	433.267	0.055	44.383	0.006	39.628	0.005
1997	N.CENTRL	14	15293.8	660.559	0.086	127.323	0.017	1294.99	0.169	262.295	0.034	274.454	0.036
1997	N. COAST	19	4300.94	117.46	0.055	370.289	0.172	51.237	0.024	32.923	0.015	84.46	0.039
1997	SACRAMTO	19	5350.48	267.497	0.1	45.058	0.017	162.889	0.061	86.176	0.032	108.921	0.041
1997	SANDIEGO	36	4383.7	1215.27	0.554	43.922	0.02	566.18	0.258	55.335	0.025	82.32	0.038
1998	SO-CST-I	16	-0.15	0	0	0	0	0	0	0	0	0	0

**Table G-26 No Project Case 2005 Regional Emissions**

HydroYear	BasinName	Units	GWH	NOX		SOX		CO		ROG		PM10	
				TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh	TONS	#/MWh
1998	SAN FRAN	30	23726.9	1319.81	0.111	230.132	0.019	1768.68	0.149	286.682	0.024	475.872	0.04
1998	SO-CST-C	45	30681.1	1087.32	0.071	275.027	0.018	1659.38	0.108	404.612	0.026	408.998	0.027
1998	VENTURA	7	470.938	2998.06	12.732	27.83	0.118	492.822	2.093	1063.85	4.518	83.275	0.354
1998	DESERT	31	24279.4	5453.91	0.449	443.669	0.037	3197.4	0.263	1022.69	0.084	487.3	0.04
1998	SAN JOAQ	21	28722.6	826.084	0.058	239.589	0.017	1285.36	0.09	216.07	0.015	446.285	0.031
1998	RSALSCST	3	0	0	0	0	0	0	0	0	0	0	0
1998	SO-CST-Q	16	14259.2	66510.9	9.329	1628.64	0.228	11910.4	1.671	16524.4	2.318	1708.25	0.24
1998	OTHER	24	25992.2	9920.64	0.763	2763.56	0.213	7578.81	0.583	2761.87	0.213	1971.12	0.152
1998	S.CENTRL	9	15573.4	245.688	0.032	4.905	0.001	402.188	0.052	41.2	0.005	36.786	0.005
1998	N.CENTRL	14	15185.3	651.389	0.086	126.558	0.017	1271.25	0.167	259.085	0.034	271.53	0.036
1998	N. COAST	19	4265.99	115.438	0.054	365.808	0.171	50.725	0.024	32.659	0.015	84.308	0.04
1998	SACRAMTO	19	5308.52	264.611	0.1	44.803	0.017	161.855	0.061	85.522	0.032	107.881	0.041
1998	SANDIEGO	36	4244.51	1217.17	0.574	42.895	0.02	570.171	0.269	54.7	0.026	80.606	0.038