

TABLE 7: AVERAGE DAILY TOTAL INSOLATION

DATA COLLECTED DURING 1977

WEST SOLAR MONITORING NETWORK (KWH/SQ. M - DAY)*

STATION NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1977 AVG.	1976 AVG.	AVG. ANNUAL

ARIZONA PUBLIC SERVICE															
GILA BEND	----	5.91	5.97	7.01	7.67	8.20	7.20	6.63	5.56	4.39	3.91	2.88	----	----	----
PHOENIX	----	----	5.64	6.70	7.47	----	6.52	6.35	3.98	3.55	2.51	1.90	----	----	----
IMPERIAL IRRIGATION DISTRICT															
IMPERIAL	----	----	----	7.06	7.55	8.06	7.50	6.68	5.65	4.35	3.90	2.52	----	----	----
NEVADA POWER COMPANY															
LAS VEGAS	----	----	----	----	----	----	----	6.82	5.87	4.57	3.26	2.38	----	----	----

PUBLIC SERVICE OF COLORADO

ALAMOSA	----	----	----	----	7.20	6.95	6.64	5.88	5.38	4.62	3.26	2.60	----	----	----
CHEYENNE	----	----	4.81	5.11	6.44	6.46	6.19	5.33	5.21	4.15	2.58	2.17	----	----	----
DENVER 1 (SOUTHEAST)	----	----	4.79	4.95	6.37	6.68	6.27	5.48	5.16	3.85	2.66	2.06	----	----	----
DENVER 2 (HOLLY)	----	----	4.93	5.08	6.54	6.61	6.34	5.53	5.21	3.85	2.68	2.01	----	----	----
PUEBLO	----	----	5.57	5.61	7.19	----	6.86	6.08	5.31	4.23	2.92	2.55	----	----	----

PUBLIC SERVICE NEW MEXICO

ALBUQUERQUE	----	----	----	----	----	6.58	7.24	6.17	5.30	4.85	3.49	----	----	----	----
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SAN DIEGO GAS & ELECTRIC

ALPINE	3.24	4.57	4.94	6.45	5.63	7.62	7.69	6.50	6.30	4.71	3.84	2.43	5.33	----	5.33
CHULA VISTA	3.19	4.37	5.46	6.15	6.34	6.11	6.97	5.72	5.85	4.27	3.62	2.34	5.03	----	5.03
DEL MAR / CARLSBAD	----	4.02	5.40	5.75	6.26	5.73	6.58	5.26	5.22	3.83	3.53	2.32	----	----	----
EL CAJON	2.84	4.31	5.35	6.25	6.03	6.79	7.59	6.05	5.91	4.40	3.67	2.40	5.13	----	5.13
ESCONDIDO	----	4.43	5.30	6.16	6.14	7.00	7.15	----	5.96	4.36	3.68	2.37	----	----	----
SPRING VALLEY	3.69	4.66	5.26	6.35	6.17	7.17	7.59	6.16	5.85	4.27	3.65	2.47	5.27	----	5.27

SOUTHERN CALIFORNIA EDISON

ARROWHEAD	----	----	----	----	----	----	----	7.48	6.81	5.11	3.71	2.47	----	----	----
BARSTOW	3.10	4.36	5.69	7.02	7.16	8.00	8.06	6.80	6.25	4.79	3.59	2.59	5.62	5.74	5.68
BLYTHE	3.26	4.70	6.01	7.15	7.66	7.98	7.46	6.75	6.26	4.93	3.86	2.69	5.73	5.78	5.76
ELDORADO	3.00	4.41	5.71	6.99	6.99	7.58	7.54	6.54	5.91	4.72	3.42	2.59	5.45	5.56	5.51
EL SEGUNDO	2.93	3.88	5.52	6.25	6.27	5.88	7.24	6.28	5.47	3.91	3.41	1.95	4.83	5.09	4.96
EL TORO	2.98	4.13	5.33	6.22	6.40	6.73	7.49	6.29	5.59	4.24	3.53	2.22	5.10	----	5.10
HUNTINGTON BEACH	3.08	3.96	5.56	6.27	6.76	6.27	7.20	6.14	5.58	4.05	3.58	2.15	5.05	5.12	5.09
LAGUNA BELL	2.76	4.02	5.18	6.15	5.77	6.64	7.5B	6.47	5.48	4.17	3.55	1.98	4.98	4.86	4.92
LANCASTER	3.04	4.55	5.90	7.32	7.20	8.38	8.62	7.22	6.59	4.96	3.69	2.64	5.84	5.97	5.91
MANDALAY	3.01	4.23	5.64	6.18	7.62	5.96	6.78	5.78	5.51	4.12	3.54	2.26	5.05	4.81	4.93
MOORPARK	----	----	----	----	----	----	5.94	6.42	5.57	4.38	3.55	2.11	----	----	----
PALM SPRINGS	3.07	4.53	5.86	7.03	7.18	8.07	7.57	6.52	6.21	4.69	3.79	2.57	5.59	----	5.59
PARDEE	3.00	4.37	5.56	6.88	5.81	7.46	8.15	6.67	6.07	4.60	3.53	2.27	5.36	5.45	5.41
RIALTO	----	----	----	----	----	----	6.23	6.34	5.65	4.35	3.56	2.21	----	----	----
RIDGECREST	3.13	4.56	5.91	7.29	7.42	8.11	8.51	7.14	6.47	5.29	3.50	2.58	5.83	5.91	5.87
VICTORVILLE	3.11	4.51	5.95	7.25	7.14	8.26	8.35	6.99	6.50	4.94	3.67	2.65	5.78	5.88	5.83
VILLA PARK	----	----	----	----	----	----	7.28	6.26	5.45	4.05	3.43	2.07	----	----	----

VISALIA	----	----	----	----	----	----	----	----	5.32	4.46	2.95	1.67	----	----	----
WALNUT	2.88	4.04	5.19	6.52	5.62	6.64	7.55	6.36	5.34	4.05	3.41	1.95	4.99	4.88	4.94
YUCCA VALLEY	3.12	4.67	6.05	7.35	7.46	8.31	8.05	6.83	6.44	5.05	3.89	2.86	5.84	5.91	5.88
TUCSON GAS & ELECTRIC															
TUCSON	2.70	4.21	5.14	6.17	6.66	6.70	6.43	5.70	5.03	4.24	3.51	2.54	4.92	----	4.92

*ABSOLUTE SCALE :

BTU/SQ.FT.- DAY = 317 X KWH/SQ.M-DAY