BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA

Order Instituting Investigation Into Implementation of Assembly Bill 970 Regarding the Identification of Electric Transmission and Distribution Constraints, Actions to Resolve Those Constraints, and Related Matters Affecting the Reliability of Electric Supply.	)	Investigation 00-11-001

PREPARED DIRECT TESTIMONY OF RICHARD ROHRER
ON BEHALF OF THE CALIFORNIA ENERGY COMMISSION

This testimony is presented by Richard Rohrer. Mr. Rohrer's qualifications are attached as Exhibit A.

Q. On whose behalf are you submitting this testimony?

A. I am submitting this testimony on behalf of the California Energy Commission (CEC).

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to document the base load forecasts (A1) that were used in the Scenario Analysis for the Southern California Long-Term Transmission Study Matrix (Scenario Analysis) for Investigation No. 00-11-001.

Q. How did you derive those forecast numbers?

A. The forecast numbers are the CEC's Energy Demand (CED) 2001, forecast that was developed in October—November 2000. The CED 2001, forecast numbers represent the maximum demand (peak demand in megawatts) for the Southern California Edison, the San Diego Gas and Electric, and City of Pasadena control areas. The forecast is based on a 1-in-5-weather assumption. This 1-in-5-weather assumption means that there is a 20 percent chance of those weather conditions (i.e., high temperatures) occurring. The forecast is shown in Table 1 below.

Q. Does this complete your testimony?

A. Yes, it does.

Exhibit A

Statement of Qualifications

Richard Rohrer

Richard Rohrer is a supervisor with the California Energy Commission (CEC). For the past 11 years, Mr. Rohrer has worked in the Demand Analysis Office of the CEC. Mr. Rohrer supervises a staff of nine analysts responsible for producing the CEC's annual energy forecasts.

Before joining the CEC, Mr. Rohrer developed forecasts and models of peak demand, hourly loads, and energy use for PG&E. Mr. Rohrer has more than 20 years of experience analyzing and forecasting energy use patterns and trends.

Mr. Rohrer's educational background includes a BS degree in Statistics and a BA degree in Economics from the California State University, San Francisco.

TABLE 1
Staff's Outlook for the State
1 IN 5 Electric Peak Demand by ISO Congestion Zone
(MW)

Noncoincident Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
PG&E North	18,594	18,519	19,172	19,462	19,713	20,108	20,544	20,959	21,337	21,762	22,141
PG&E San Francisco	932	962	1,001	1,031	1,062	1,096	1,114	1,131	1,148	1,165	1,182
Sacramento Municipal Utilities District	2,864	2,789	2,826	2,872	2,905	2,954	3,010	3,066	3,113	3,163	3,213
Dept of Water Resources - North	43	43	43	43	43	43	43	43	43	43	43
North of Path 15	22,433	22,313	23,042	23,407	23,722	24,200	24,711	25,198	25,641	26,132	26,579
Path 26 - Pacific Gas & Electric - South	1,617	1,610	1,667	1,692	1,714	1,749	1,786	1,823	1,855	1,892	1,925
Southern California Edison	19,756	20,806	21,066	21,430	21,818	22,252	22,682	23,085	23,482	23,955	24,386
Pasadena Water and Power Dept	298	297	305	301	305	306	310	311	310	311	311
San Diego Gas & Electric	3,592	3,524	3,982	4,067	4,145	4,252	4,352	4,443	4,528	4,639	4,722
Dept of Water Resources - South	208	208	208	208	208	208	208	208	208	208	208
South of Path 15	23,854	24,835	25,560	26,006	26,475	27,018	27,551	28,047	28,528	29,113	29,627
Los Angeles Department of Water and Power	5,665	5,558	5,798	5,831	5,911	5,994	6,062	6,124	6,166	6,217	6,265
Burbank Public Service Dept	320	325	336	334	339	346	354	360	364	368	372
Glendale Public Service Dept	324	327	337	333	337	341	349	352	355	357	359
Imperial Irrigation District	670	745	771	791	813	835	856	877	898	919	939
Far North & East Sierra	298	264	256	253	248	246	247	248	248	249	251
Non ISO	7,276	7,219	7,497	7,542	7,648	7,761	7,867	7,960	8,031	8,109	8,185
Total ISO Noncoincident Demand	47,903	48,759	50,269	51,105	51,911	52,966	54,048	55,068	56,025	57,138	58,131
Total State	55,179	55,977	57,766	58,647	59,560	60,727	61,916	63,028	64,056	65,247	66,316
Coincident Demand											
Total ISO Coincident Demand	46,756	47,591	49,065	49,881	50,668	51,698	52,754	53,749	54,683	55,770	56,739
Total Statewide Coincident Demand	53,858	54,637	56,383	57,243	58,134	59,273	60,433	61,519	62,522	63,685	64,728