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July 20, 1993

Mr. Jay A. Flanagan, P.E.
Director
S.C. State Budget and Control Board
Division of General Services
State Energy Office
915 Main Street, Room 201
Columbia, South Carolina 29201


Dear Mr. Flanagan:

Enclosed is a copy of a long range demand and energy forecast for Santee Cooper prepared by Resource Management International (RMI). The forecast was adopted by Santee Cooper's Board on May 24, 1993 as Santee Cooper's official load forecast.

Volume I of the load forecast contains explanations of the assumptions and methodologies used in developing the forecast and tables with monthly twenty year demand and energy projections for the base case, low case, and high case scenarios. RMI forecasts, for the twenty year period, an average annual compound growth rate of 2.6% for energy and 3.0% for demand. The forecast assumes the Charleston Naval Base will be closed by the end of 1997. Other assumptions are provided on pages 2 through 6.

If you have any questions about the forecast, or need additional copies, please let me know.

Sincerely,


Lonnie N. Carter
Manager
Corporate Forecasting
Rates & Marketing

LNC:sbg

Enclosure

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DIV. OF GENERAL SERVICES
ENERGY OFFICE

State of South Carolina



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M E M O

TO: Katie Morgan, State Energy Office
FROM: R. Glenn Rhyne *WR*
DATE: August 4, 1994

Here is the summary:

7-22-93

Katie,
In light of your extensive knowledge of forecasting methodology and systemized transitional programming sagacity, please give me your reaction to this effort. Jay

COMMENTS ON THE 1993 SC PUBLIC SERVICE AUTHORITY IRP UPDATE

General Comments

1. Continuing with supply-side programs as planned in 1993 IRP.
(Assumes no changes in forecast demand.)
 - a) Construction of Cross 1 continuing on schedule and under budget.
 - b) Developing site plans for combustion turbines. At least 8 needed between 1998-2005.
2. Contacted 17 utility companies concerning the selling of reserve capacity when Cross 1 is completed (commercial operating date - May 1995.)
3. Continuing evaluating CAA compliance strategies.
 - a) Buying and selling of SO₂ allowances.
 - b) Developing preliminary plans and schedules for retrofitting the Winyah 1 unit with a FGD system.
 - c) Using fuel with a lower sulfur content.
 - d) Switching to natural gas at Winyah and other coal-fired facilities.
 - e) Using environmentally sensitive economic dispatching.
 - f) Deferring the FGD system retrofit at Winyah 1.
4. Hired Metzler and Associates to prepare a comprehensive IRP.
(Update assumes no changes to the 1993 IRP)
5. Continuing monitoring and evaluating the existing DSM programs.
 - a) Good Cents New and Improved Home Program
 - 1) changed the incentive from a reduced per kwh energy charge to a flat monthly credit plus a lower kwh energy charge.
 - 2) program participation slightly exceeded expectations.
 - 3) 1993 savings of 6,261 kw and 3,221,531 kwh.
 - b) H₂O Advantage Off-peak Water Heating

- 1) 1993 demand savings of 3,539 kw.
 - 2) wholesale participation far exceeded expectations.
- c) Commercial Good Cents
- 1) 1993 savings 91.5 kw and 95,744 kwh.
 - 2) wholesale participation lower than expected.
6. Implementation of new DSM programs.
- a) Water Conservation Program (low-flow shower heads)
- 1) 1993 estimated energy savings of 4,927 kwh.
 - 2) program participation less than expected.
- b) Thermal Energy Storage Cooling
- 1) shifts energy used by commercial customers for air conditioning to off-peak hours.
 - 2) approved in June 1994
 - 3) program implementation in 1994
7. Evaluation of residential DSM programs.
- a) Swimming Pool Load Management
- 1) prevents pool pumps from operating at peak hours.
 - 2) approval and implementation expected 1994-1995.
- b) Geothermal Heat Pumps
- 1) initial research completed
 - 2) program development will begin after implementation of Swimming Pool Load Management program.
- c) Duct Leakage
- 1) completion of evaluation expected in 1994 after implementation of Swimming Pool Load Manangement program.
 - 2) implementation expected in 1995.

7. Evaluation of commercial DSM programs.

a) High Efficiency Space Conditioning

- 1) rebates for installation of high efficiency space conditioning equipment.
- 2) limited kw savings due to new federal minimum efficiency standards.
- 3) program development begins after implementation of Thermal Energy Storage program completed.

b) High Efficiency Lighting

- 1) rebates for installation of lighting with higher than standard efficiencies.
- 2) program development begins after implementation of High Efficiency Space Conditioning program.

c) Commercial Standby Generator

- 1) participating customers receive a monthly payment based on capacity and energy savings.
- 2) program not recommended for implementation in the 1993 IRP.

Recommendations

1. Although no updating of forecasts occurred or would generally be expected in the annual update of the IRP, a discussion of economic, political, and social conditions and their potential impacts on the IRP would be beneficial. Factors such as rising interest rates, falling exchange rates, abnormal weather, and new laws and regulations could have major impacts on electric forecasts and DSM results. Such a discussion would alert the IRP reviewers and evaluators of possible future changes on both the supply and demand-side options and programs.
2. A comparison of projected costs and benefits to actual expenditures and achievements, particularly for DSM options, would be beneficial. This would provide a snapshot of how the IRP programs are progressing compared to plan.
3. More detail should be provided concerning the DSM program evaluations. Explanation and quantitative support should be provided when programs are modified, such as the Good Cents incentive, and when program results deviate significantly

from expectations, such as H₂O Advantage Off-peak Water Heating program. Reasons for program modifications and the expected benefits of the modifications should be discussed. Likewise, reasons for deviation from plan for program benefits and costs should also be discussed.

4. The methodology for measuring the actual results of the DSM programs should be provided.

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SANTEE COOPER LOAD FORECAST
VOLUME 1 OF 2

DIV. OF GENERAL SERVICES
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EXECUTIVE SUMMARY

INTRODUCTION

Resource Management International, Inc. (RMI) was retained by Santee Cooper to prepare a long-range energy and demand forecast. The purpose of implementing a load forecasting study at this time was to facilitate Santee Cooper's integrated resource planning process; to provide support for its current rate study; and, to provide a basis for system and financial planning. This report summarizes our analyses, findings, and results.

Projections of Santee Cooper's coincident peak demand and energy requirements were developed for the period 1993 through 2012. Based on the results of our analyses, system net energy requirements are projected to increase at a compound annual growth rate of 1.5%, (1.5%) and 2.6% for the periods 1993 through 1997, 1997 through 2002, and 2002 through 2012, respectively. Santee Cooper's system net coincident peak demand is expected to increase at a compound rate of 3.2%, (0.1%) and 3.0% over the same periods, respectively. The Base Case forecast is summarized below and depicted graphically in Figures 1 and 2.

Santee Cooper
Projected Coincident Peak Demand and Energy Requirements

	1992 ^(a)	1997	2002	2012
Net Energy Requirements (GWH)	14,848	16,021	14,867	19,201
<i>Average Annual Compound Growth Rate</i>		1.5%	(1.5%)	2.6%
System Coincident Peak Demand (MW)	2,621	3,066	3,055	4,098
<i>Average Annual Compound Growth Rate</i>		3.2%	(0.1%)	3.0%
^(a) Actual				

RMI's forecasting models utilized both end-use and econometric techniques. In addition, customer interviews and time-series analyses were used in developing forecasts for Santee Cooper's industrial and military customers. Wherever possible, the forecasting models utilized data specific to Santee Cooper's service area. The purpose of this report is to describe the methodologies developed and assumptions which were used to produce the base forecast and sensitivity analyses.

ACKNOWLEDGEMENTS

RMI would like to acknowledge the assistance, cooperation, and professional input contributed by staff at Central during the development of Santee Cooper's 1993 load forecast. In accordance with the terms of Central's long-term contractual arrangement with Santee Cooper, Central has the right to concur in the projections of its load. The staff at Central have been involved in the load forecasting process since its inception. They have been responsive and cooperative in all phases of the load forecasting assignment. Their contributions to this endeavor are greatly appreciated.

ASSUMPTIONS

General

1. The forecast assumes average, or normal, weather conditions.
2. The forecast does not seek to project business cycle behavior and, as such, assumes that there will be no national economic recessions throughout the forecast period.
3. Santee Cooper is assumed to commence serving the Woodland Hills substation load directly from its transmission system in January 1996.
4. The forecast also assumes that Santee Cooper will serve the loads at (i) Limehouse substation prior to the projected 1993 system peak, and (ii) the Jedburg substation in January 1997. These loads are currently served by South Carolina Electric & Gas (SCE&G).
5. Off-system sales are forecasted in accordance with terms of the long-term contract between Santee Cooper and the North Carolina Eastern Municipal Power Agency (NCEMPA) for the sale and purchase of firm capacity.

6. The forecast utilized projections of natural gas prices prepared by the Gas Research Institute.¹ Annual compound growth rates for inflation adjusted prices were:

CLASS	1990-95	1995-2010
Residential	1.0%	1.8%
Commercial	1.5%	2.2%

7. The City of Bennettsville is assumed to become a wholesale customer of Marlboro Cooperative in January 1995.

Residential

1. Employment and number of households are assumed to grow at rates projected by Woods and Poole (W&P), an independent consulting firm.
2. The Good Cents and H₂O Advantage programs are assumed to continue without any major changes. The forecast further assumes that new DSM programs are a supply-side option and, therefore, not addressed in this study.
3. In order to account for rate increases proposed for 1994, 1995, and 1996, and for additional future rate increases, in general; the forecast assumes that the inflation-adjusted price of electricity will increase by one-half percent per year.

Commercial

1. Future sales to commercial sector customers are assumed to be proportional to employment growth and influenced by energy prices and temperatures.
2. Air conditioning saturations have been, and are assumed to be, constant throughout the forecast period.

¹ Gas Research Institute, *1992 Edition of the GRI Baseline Projection of U.S. Energy Supply and Demand to 2010*, April 1992, page 140.

Industrial

1. The Alumax load is expected to continue at full capacity through March of 2000, at which time it is assumed to cease operations.
2. MacAlloy is assumed to operate one furnace through December 1993; phase out operations in 1994; and, cease operations entirely by January 1995.
3. The forecast assumes that Santee Cooper's interruptible customers will be interrupted during the months of December, January, February, June, July, and August throughout the forecast period.
4. All additional new customer growth in the industrial sector is assumed to develop in Central's service area.

Military

1. The Charleston Air Force Base load will remain constant at 1992 levels.
2. The Charleston Naval Base will completely shut down by 1997.
3. The Myrtle Beach Air Force Base load is assumed to remain constant at current levels. Since all aircraft were removed in late 1992, the existing load consists basically of housing and maintenance facilities.

Wholesale - Municipals

The forecast assumes that household characteristics for the homes served by the City of Georgetown and the Town of Bamberg will be like those served directly by Santee Cooper.

Central Electric Power Cooperative

The forecast assumes that Central will continue to serve its existing 15 distribution cooperatives and that it will not exercise options available to serve loads from additional cooperatives.

- ▶ The City of Bennettsville is assumed to become a wholesale customer of Marlboro Cooperative in January 1995.

Residential

1. Employment and the number of households are assumed to grow at rates projected by Woods and Poole (W&P), an independent consulting firm. The share of employment and households in each county served by a distribution cooperative was developed from data provided by Central. The share of electric accounts that each utility served in each county was extrapolated and used to compute future shares of households and employment.
2. The Good Cents, H₂O Advantage and load control programs are assumed to continue without any major changes. The Direct Control Load Management Program, which curtails air conditioner compressors and water heaters by radio remote control, is assumed to maintain its current number of participants. The forecast further assumes that new DSM programs are a supply-side option and, therefore, not addressed in this study.
3. In order to account for rate increases proposed for 1994, 1995, and 1996, and for additional future rate increases in general, the forecast assumes that the inflation-adjusted price of electricity will increase by one-half percent per year.
4. Weather conditions, in the first four years of the forecast, are assumed to progress to normal conditions from actual 1992 data in equal steps.
5. Since the forecast assumes Charleston Naval Base will close during the forecast period, the projected number of households and personal income

in Berkeley Cooperative were reduced by 5% in 1994, 10% in 1995, 15% in 1996, and 20% for each year thereafter.

Commercial

1. Future sales to commercial sector customers are assumed to be proportional to employment growth and influenced by energy prices and temperature.
2. Weather conditions, in the first four years of the forecast, are assumed to progress to normal conditions from actual 1992 data in equal steps.
3. Since the forecast assumes that the Charleston Naval Base will close during the forecast period, employment projections for Berkeley Cooperative were reduced by 5% in 1994, 10% in 1995, 15% in 1996, and 20% for each year thereafter.

Industrial

1. Two new industrial loads are assumed to commence full-scale operations during 1993 within Central's service territory.
2. Ridgeway Mining is assumed to cease operations in the year 2000.
3. Willamette Industries is assumed to add additional capacity at its existing site in the year 2004 and is not expected to cogenerate throughout the forecast period. The issue as to whether Willamette's cogeneration capabilities will be called for is appropriately the subject of further study and beyond the scope of the load forecast.
4. New industrial customer growth is assumed to occur among Central's smaller industrial customers.
5. Since the forecast assumes that the Charleston Naval Base will close during the forecast period, manufacturing employment projections for Berkeley Cooperative were reduced by 5% in 1994, 10% in 1995, 15% in 1996, and 20% for each year thereafter.

METHODOLOGY

RMI utilized a basic econometric approach to forecast sales to households and commercial customers. Several important aspects of the forecasting methodology include how the econometric models were specified, estimated, and used. To model residential sales, RMI utilized appliance saturations for electric space and water heating, room and central air conditioners, clothes dryers, and electric cooking. Sales per customer were modeled as the sum of uses for these appliances and a term for miscellaneous uses to account for lighting, refrigeration, and all other appliances. Variables for space heating and air conditioning included heating and cooling degree days. Degree day variables were computed using a typical utility meter reading schedule such that weather data matched the monthly billing revenue and sales statistics. Our analysis addressed variables such as the price of electricity and the price of substitute fuels. Price and income elasticities were measured.

Monthly commercial sales per employee were explained by electric and natural gas prices, heating and cooling degree days, and personal income.

Utilizing Load Research Data to Determine Base Temperatures

Like most other large electric utilities, Santee Cooper meters the hourly electric loads of some customers to better understand how different classes of customers contribute to peak loads. Appliance loads are also metered in some households to understand how conservation and load management programs might affect these loads.

RMI acquired some of this data and used it for several purposes, one of which was to determine how to best use temperature data to model daily sales to households and commercial customers. One approach is to compare the average of daily high and low temperatures to reference temperatures, usually 65 degrees, and assume heating and cooling loads are proportional to the differences between the average and reference temperatures. RMI used metered loads to determine the optimal reference temperatures for heating and cooling loads for both households and commercial customers.

For households, it was found that heating loads occurred when the average temperature fell below 58 degrees and cooling loads occurred when the average temperature exceeded 71 degrees². For commercial customers, the reference temperatures were 50

² The average of the daily high and low temperatures defines the average temperature.

and 71 degrees for heating and cooling loads, respectively. To reduce the number of computations, we used 55 and 72 degrees as the reference temperatures for all classes of sales.

Appliance Saturations

In Santee Cooper's load forecast, RMI incorporated saturations for several key household appliances including those for central and room air conditioners, for primary electric space and water heating, clothes dryers, and for electric cooking. Information available at the county level from 1970, 1980, and 1990 census data was aggregated for individual service areas by using a fraction of households served in each county. Survey data collected by both Santee Cooper and Central provided saturations for appliances in recent years.

Cooling loads for these customers were assumed proportional to cooling degree days, which assumes constant saturations of air conditioning equipment. Electric heating loads were assumed to be proportional to heating degree days multiplied by a proxy term for electric heating saturations. This term equals the ratio of natural gas to electric prices. An exponent on this term was measured with statistical regression to determine how sensitive electric heating saturations were to energy prices.

Incorporation of Demand Side Management (DSM) Savings

Households served by Santee Cooper and its wholesale customers are offered an opportunity to participate in two major DSM programs. The Good Cents Program offers a discounted electric rate to homes that can be certified at a high level of energy efficiency. The H₂O Advantage Program offers an incentive to homes that agree to temporary power curtailments controlled by electronic timers on water heaters.

Many utilities, like Santee Cooper and Central, are undertaking studies to measure savings from their DSM programs. For most utilities, the savings have been difficult to measure due to confounding behavioral changes in usage patterns following increased efficiency levels. Models and calculations based on engineering principles are often used as a first attempt to estimate savings. These do not, however, reflect changes in usage patterns. It is only by examining customer bills and metered data that a utility can compare the energy consumption of customers who participate with consumption patterns of those who do not.

Two samples of Santee Cooper's consumption data have so far provided inconsistent results. In a small sample of households surveyed by Santee Cooper, heating and air conditioning loads were metered separately from other loads. Such loads were found to be one-third less for customers certified in the Good Cents Program when compared with customers not certified for Good Cents. In another comparison of over 1,000 homes, total annual consumption for Good Cents homes was about 732 kWh per year less than for other homes. The forecast assumes savings of 1,500 kWh per year.

Energy Sales Forecast

To forecast energy sales, RMI constructed a set of spreadsheets in several Lotus 1-2-3 (Version 3.1) files. The forecasting model contains equations to forecast appliance saturations and monthly sales. Average or normal weather was utilized to forecast all quantities in the base case scenario.

RMI also developed High Case and Low Case forecasts based on optimistic and pessimistic economic scenarios. These cases were constructed in order to define some of the uncertainty that exists in the long run.

Linking the Energy Sales and Hourly Load Models

Each of the equations used to forecast energy sales was broken down into terms that represent base heating and cooling loads. The terms for heating and cooling loads represent the product of several terms, one of which is a degree day variable. The degree day variable was deleted from the term and such term was then used to forecast hourly loads. These terms form the link between the energy sales and hourly load models. These links carry with them the effects of price changes and economic growth, which are difficult to measure directly in models of peak or hourly loads.

RMI distributed the terms linking the energy sales and hourly models into 24 hourly terms using class load profiles for heating, air conditioning, and base loads. This allowed the terms to be utilized more effectively. Hourly loads were estimated utilizing a set of coefficients for each weekday and weekend hour. To account for heat buildup, a weighted average of the daily minimum and maximum temperature was utilized with weights determined by statistical regression techniques.

The hourly models were installed in the statistical software package known as "SAS", Statistical Analysis Software. These models are programmed to forecast:

- ▶ Monthly peak loads;
- ▶ Each forecast year's load duration curve (LDC); and,
- ▶ 8,760 hourly loads for each forecast year with a normal weather load duration curve.

Since there exists no "normal pattern" of loads, RMI's approach was to estimate a normal LDC; match it up with the LDC of a "test year" (i.e., 1991); and, re-sort both curves chronologically based on dates in the test year.

ECONOMIC GROWTH PROJECTIONS

The primary determinant of electric sales by Santee Cooper is assumed to be economic growth in the State of South Carolina. This growth depends on prospects for the national economy, which in turn depend significantly on prospects for the world economy and the U. S. competitive position among other countries. This dependency can produce a great deal of uncertainty, especially over a 20-year forecast horizon.

To deal with the complexity of economic growth, it was decided to rely on an established model of local economic growth. Two were available, one from the University of South Carolina (USC), the other from a consulting firm, Woods and Poole (W&P). Both start with a state level forecast and then employ mathematical algorithms to disaggregate the results by county. However, each forecast had certain advantages. The USC forecast is produced locally within the State, and therefore embodies an understanding of the intricacies of the regional economy. It has earned acceptance within the State through frequent review and criticism. USC also produces high and low scenarios. The W&P forecast, on the other hand, seemed to produce more reasonable results at the county level.

Since county level results were essential to forecasting activity for the individual distribution cooperatives served by Central and for the three counties served directly by Santee Cooper, it was decided that the W&P forecast offered a more appropriate data source. In most counties served by Santee Cooper, the W&P forecast grows more rapidly than that developed by USC. Projections of employment and household growth in each county within individual distribution cooperative service areas were developed by extrapolating previous trends in these shares. RMI extrapolated the trends for counties served directly by Santee Cooper. Figures 1 and 2 show the historical and forecasted trends for the number of customers and employment served by both Santee Cooper and Central.

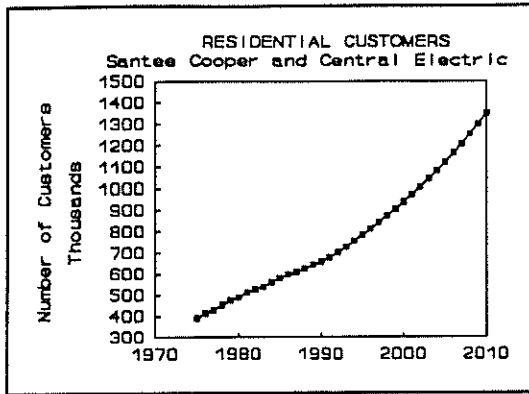


Figure 1

To deal with the uncertainty in the economy, RMI developed high and low scenarios for employment and population growth, which were used to produce High Case and Low Case forecasts of electric loads. In the Low Case scenario, employment and population growth rates were reduced by one percent per year. These growth rates were increased by 0.5 percent per year in the High Case scenario.

Both USC and W&P forecast employment, population, household and income growth. Manufacturing employment was used to forecast sales to small industrial customers. Non-manufacturing employment was the main determinant of commercial sector sales, and number of households was the main determinant of residential sector sales. Income per capita was also used to explain electric sales to households.

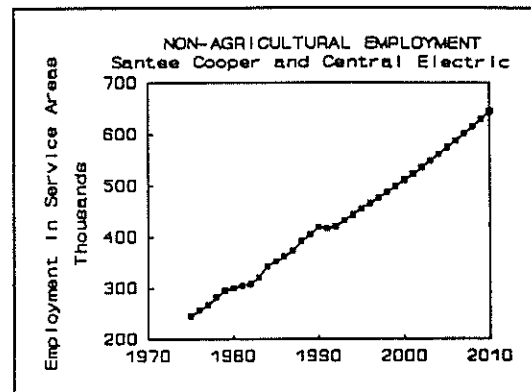


Figure 2

ENERGY SALES FORECAST

Residential

The forecast anticipates that sales to households will grow rapidly during the next 20 years. This is expected in both the areas served directly by Santee Cooper and the areas served by Central's distribution cooperatives. Factors contributing to electric sales growth include increasing population (as projected by W&P) accompanied by growth in electric use per household (caused by rising saturations of central air conditioning and electric space heating).

Compared to older homes, new homes have higher saturations of electric space heating and cooling appliances, both of which use large amounts of energy. These saturations are expected to remain high in new homes. W&P also expects inflation adjusted income per capita to rise. This will further encourage additional electric use as consumers use

additional income to purchase more appliances; increase their frequency of appliance use; and increase the average size of appliances and square footage acquired (i.e., larger refrigerators and homes).

Growth caused by these factors is expected despite efforts to increase energy efficiencies in a high percentage of new homes and a smaller percentage of older homes.

Commercial

The forecast projects substantial growth in commercial sector sales resulting from robust growth in non-manufacturing employment.

Industrial and Military

Santee Cooper's Direct Service Customers

Energy sales in the industrial and military sectors are expected to decline over the forecast period. The following table summarizes projected growth in energy sales for Santee Cooper's direct service industrial and military customers.

Customer Class	1992 ⁽¹⁾ (GWH)	1997 (GWH)	2002 (GWH)	2012 (GWH)
Industrial	5,069	4,930	2,367	2,505
Military	433	119	119	119
TOTAL	5,502	5,049	2,486	2,624
<i>Average Annual Compound Rate of Growth</i>		(1.7%)	(13.2%)	0.5%
⁽¹⁾ Actual				

The declining growth rates between 1992 and 1997, and between 1997 and 2002, are attributable to the expected cessation of operations at MacAlloy, the Charleston Naval Base and Alumax in the years 1995, 1997 and 2000, respectively. These projected shutdowns are accompanied by low growth rates at other major industrial facilities and at the military installations served by Santee Cooper. Energy requirements of Santee Cooper's existing industrial and military customers were projected based on results available from customer

surveys and site visits, information provided by Santee Cooper, and projections developed by RMI.

Central's Customers

Energy requirements for Central's industrial customers were forecast in the same manner as the direct service customers served by Santee Cooper. In addition, estimates provided by Central for industrial loads were utilized where historical and survey data were not available. Forecasts of energy sales for Central's industrial customers are summarized below:

Central's Industrial Customers	1992 ⁽¹⁾ (GWH)	1997 (GWH)	2002 (GWH)	2012 (GWH)
"Large" Industrials	745	1,199	1,106	1,310
"Small" Industrials	69	119	139	168
TOTAL	824	1,318	1,245	1,478
<i>Average Annual Compound Rate of Growth</i>		9.8%	(1.1%)	1.7%
⁽¹⁾ Actual				

The relatively high average annual compound rate of growth between 1992 and 1997 is attributable to dramatic increases in electrical consumption projected for some of Central's newer industrial customers. The declining growth rate projected for the period 1997 through 2002 is mainly attributable to the shutdown of operations at Ridgeway Mining.

In an effort to account for additional growth in Central's industrial sector, Central's industrial customers were categorized as either "large" or "small." Details on this portion of the load forecast are presented in Section III of this report.

PEAK DEMAND FORECASTS

Residential, Commercial and Wholesale

Econometric models were used to forecast hourly loads to several groups of customers including distribution, municipal utilities, and Central. Distribution customers are those customers served by Santee Cooper directly on low voltage distribution circuits. The econometric models are driven by the models of monthly sales, which are used to forecast connected loads as well as sales. The connected loads are projected separately for heating, cooling and other base loads. Since the forecasts of connected loads are proportional to sales, the forecasts of monthly peak loads will closely follow the forecasts of sales. Minor differences in rates of growth will result from differentials in rates of growth for heating, cooling and base loads, which all have different load profiles.

Industrial and Military

Santee Cooper's Direct Service Customers

Coincident peak demand in the industrial and military sectors is expected to decline over the forecast period. The following table summarizes projected growth in coincident peak demand for Santee Cooper's direct service industrial and military customers.

Santee Cooper Customer Class	1992 ⁽¹⁾ (MW)	1997 (MW)	2002 (MW)	2012 (MW)
Industrial	508	496	202	215
Military	71	26	26	26
TOTAL	579	522	228	241
<i>Average Annual Compound Rate of Growth</i>		(2.1%)	(15.3%)	0.6%
⁽¹⁾ Actual				

The declining growth rates between 1992 and 1997, and between 1997 and 2002, are attributable to the expected cessation of operations at MacAlloy, the Charleston Naval Base and Alumax in the years 1995, 1997 and 2000, respectively. These projected shutdowns are accompanied by low growth rates at other major industrial facilities, and the military installations served by Santee Cooper. Coincident peak demands of Santee Cooper's existing industrial and

military customers were projected based on results available from customer surveys and site visits, information provided by Santee Cooper, and projections developed by RMI.

Central's Industrial Customers

Coincident peak demand for industrial customers served by Central were forecast in the same manner as the direct service customers served by Santee Cooper. In addition, estimates provided by Central for industrial load were utilized where historical and survey data were not available. Forecasts of coincident peak demand for Central's industrial customers are summarized below:

Central's Industrial Customers	1992 ⁽¹⁾ (MW)	1997 (MW)	2002 (MW)	2012 (MW)
"Large" Industrials	104	163	152	178
"Small" Industrials	16	25	29	35
TOTAL	120	188	181	213
<i>Average Annual Compound Rate of Growth</i>		9.4%	(0.8%)	1.6%
⁽¹⁾ Actual				

The relatively high average annual compound rate of growth between 1992 and 1997 is attributable to dramatic increases in electrical consumption projected for some of Central's newer industrial customers. The declining growth rate projected for the period 1997 through 2002 is mainly attributable to the shutdown of operations at Ridgeway Mining.

SENSITIVITY ANALYSIS

Each of the underlining assumptions of the Base Case forecast is subject to some degree of uncertainty, RMI prepared two additional load forecasts using the methodology described above. These forecasts, the High Case (optimistic) and Low Case (pessimistic) scenarios, were developed to provide an upper and lower boundary for the Base Case forecast. The High Case and Low Case projections reflect changes in conditions and assumptions which result in increased and decreased power sales, respectively. These

sensitivity cases were based on changes in factors such as population growth, economic conditions, manufacturing employment and industrial business outlooks. The resulting net energy requirements and coincident peak demand projections are summarized below.

Santee Cooper
High Case and Low Case
Forecasts of System Energy Requirements and Coincident Peak Demand

Year	HIGH CASE		BASE CASE		LOW CASE	
	Net Energy (GWH)	Peak Demand (MW)	Net Energy (GWH)	Peak Demand (MW)	Net Energy (GWH)	Peak Demand (MW)
1992 (actual)	14,848	2,620	14,848	2,620	14,848	2,620
1997	17,590	3,598	16,022	3,066	14,336	2,520
2002	17,133	3,795	14,867	3,055	12,351	2,283
2012	23,401	5,485	19,201	4,098	14,513	2,741
Average Annual Compound Growth Rate						
1992-2002	1.4%	3.8%	0.0%	1.5%	(1.8%)	(1.4%)
1992-2012	2.3%	3.8%	1.3%	2.3%	(0.1%)	0.2%

Both the High and Low Case forecasts utilize the same assumptions used in the Base Case forecast except as outlined below.

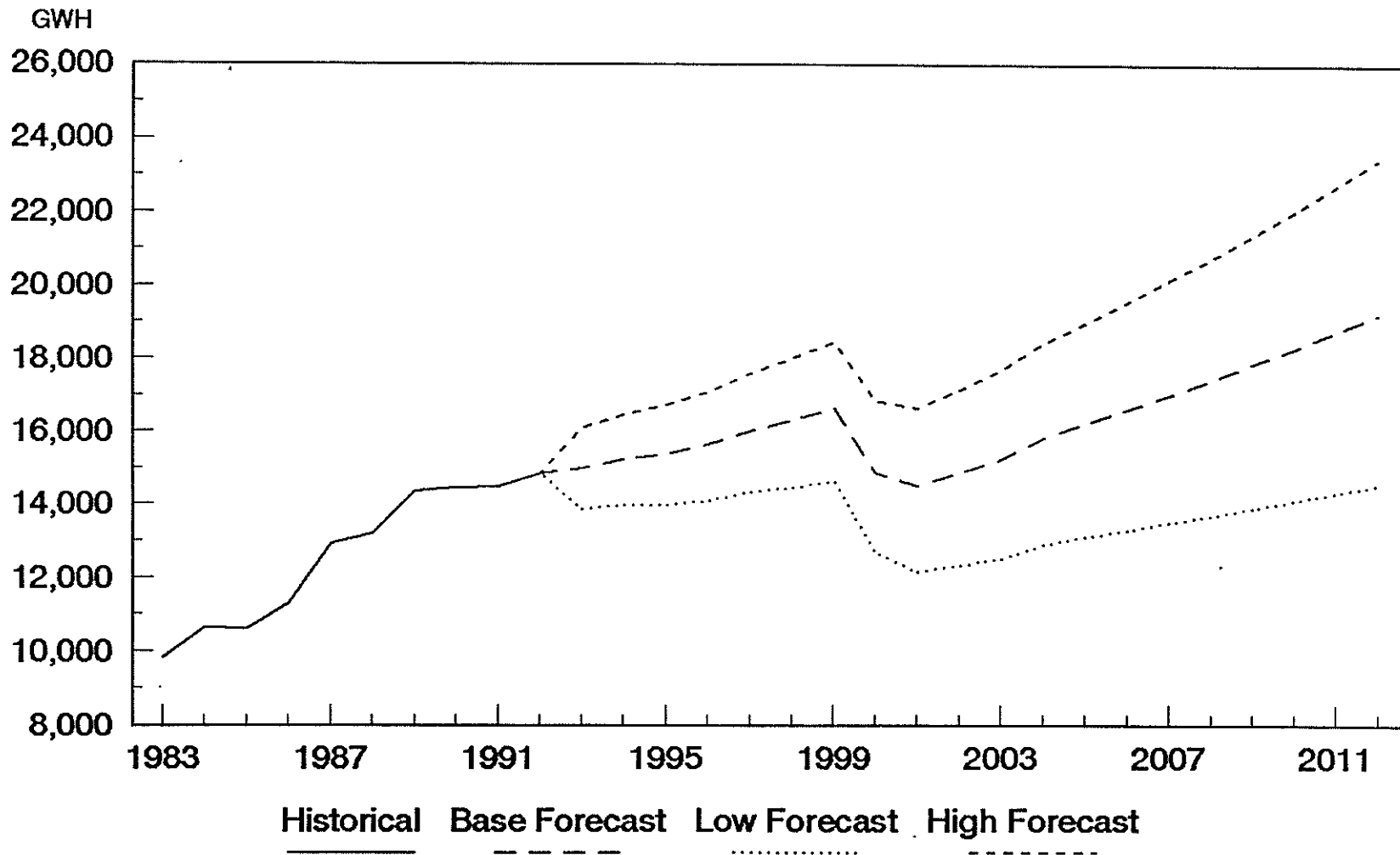
In the High Case, growth rates for households and employment were increased by 0.5% per year over those utilized in the Base Case. In addition, heating and cooling degree days were increased to levels such that the probability of witnessing heating and cooling degree days in excess of those levels was only 5.0%. In the Low Case, growth rates for households and employment were lowered by 1.0% per year from those used in the Base Case; and, heating and cooling degree days were decreased to levels such that the probability of witnessing heating and cooling degree days below those levels was only 5.0%.

In an effort to account for additional growth in Central's industrial sector, growth rates for certain of Central's industrial loads were increased by 3.0%, 1.5%, and 0.0% annually in the High Case, Base Case, and Low Case forecasts, respectively. The estimated annual increases are somewhat subjective and intended to account for currently unforeseen additional growth in the industrial sector. A detailed discussion of this methodology is presented in Section III of this report.

Detailed results of the High Case and Low Case forecasts are presented in Appendices B and C of Volume 1 of this report, respectively. The remainder of Volume 1 outlines, in further detail, the models and methodology used to develop forecasts for each of Santee Cooper's customer categories, off-systems sales, losses, coincident peak demand, and net energy for load. Volume 2 of this report presents detailed forecast model documentation for use by Santee Cooper in updating the forecasts.

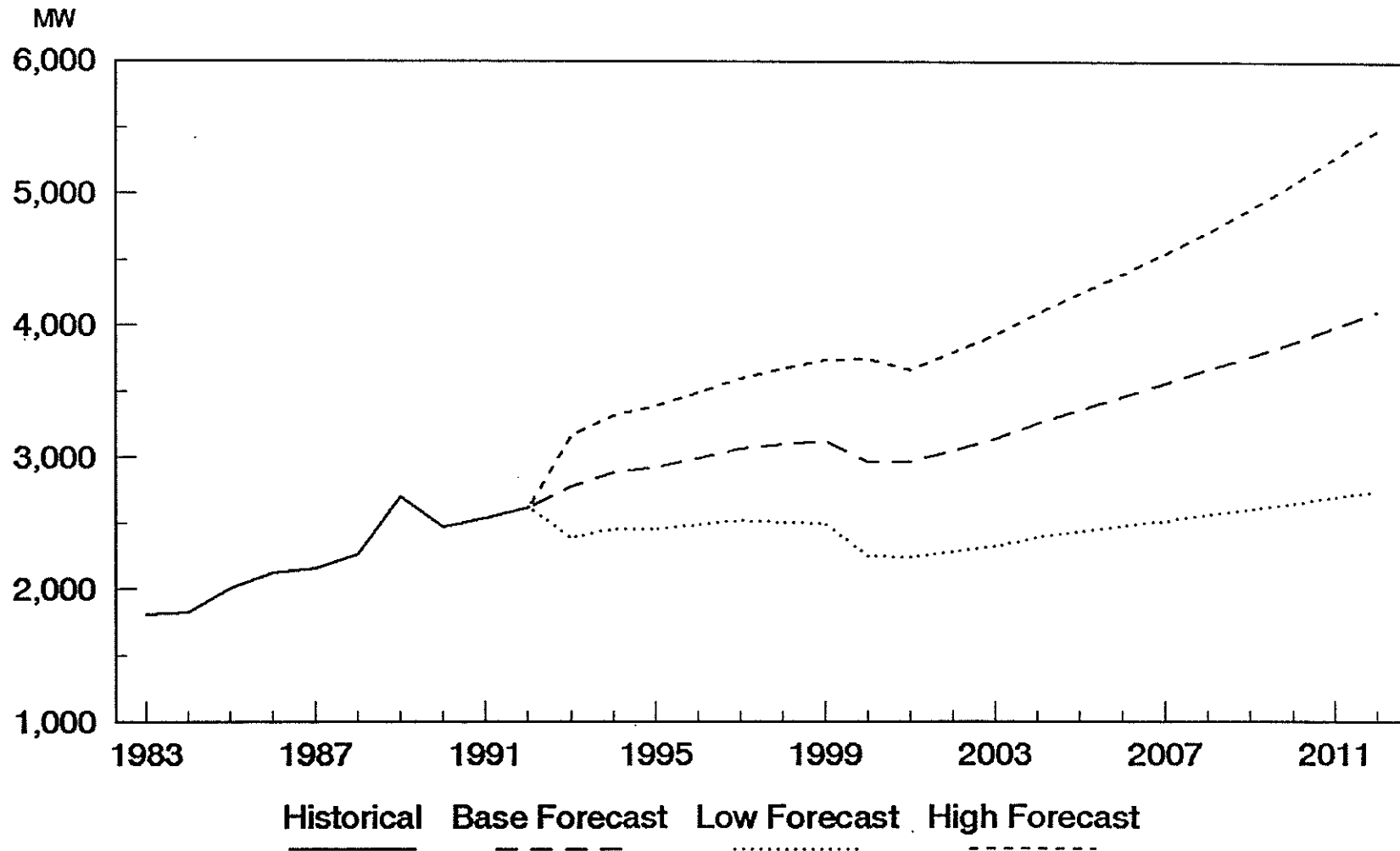
SANTEE COOPER ENERGY FORECAST

FIGURE 1



SANTEE COOPER DEMAND FORECAST

FIGURE 2



Note: The peak demand shown for 1989 occurred at noon on a Saturday in December of that year. It demonstrates the dramatic impact and unusual peaking patterns that can result from extreme weather conditions.

SECTION I

RESIDENTIAL SECTOR SALES

An econometric model was developed to forecast electric sales to households. The model forecasts sales by multiplying the expected number of customers by the average expected sales per household. Sales per household is determined primarily by forecasted appliance saturation rates, and to a lesser extent, monthly variations in temperatures, electric prices and household income. The appliance saturation rates are the fraction of homes using major appliances such as electric space heating, central air conditioning, room air conditioning, electric water heating, electric clothes dryers, and electric cooking.

Electric sales were forecasted in several steps. First, appliance penetrations were projected for new homes. Appliance penetrations were used to forecast appliance saturations for all existing homes. These saturations were then combined with degree day information and projections of electric prices and household income to forecast average electric sales per household. Average use was then multiplied by the number of residential customers to project total residential sales.

PROJECTIONS OF CUSTOMER GROWTH

Projected number of households was obtained from W&P for individual counties in South Carolina. The ratio of homes served by the distribution cooperative divided by the total number of homes was developed for each cooperative. These ratios were then multiplied by the customer forecasts to obtain a projection of the number of residential customers for each distribution cooperative. RMI performed a similar set of computations to forecast customer growth for Santee Cooper.

APPLIANCE SATURATIONS

Much of the past change in average electric use per household can be explained by trends in appliance saturations. Central air conditioning, for example, is one of the largest electricity using appliances in the home, and has become more common in recent years. Figure I.1 shows the trend in central air conditioning saturations for the 15 distribution cooperatives served by Central. Since most new homes in South Carolina are outfitted with central air conditioning, this trend can be expected to

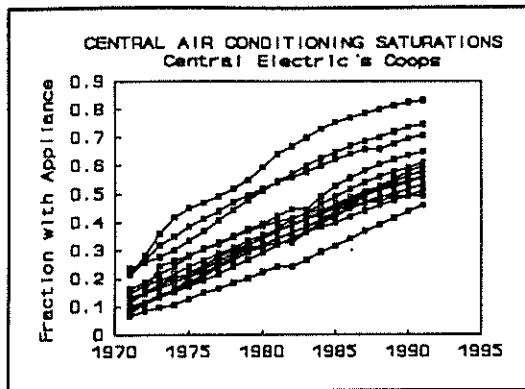


FIGURE I.1

continue. Electric space heating has also gained market share as Figure I.2 demonstrates.

Separate econometric models were developed to forecast the penetrations of major electricity consuming appliances, except room air conditioners, in new homes. Penetrations represent the fraction of new homes which have these appliances.

Saturations represent the fraction of all homes owning these appliances. Saturations are updated each year to reflect the forecasted penetration rates in new homes.

Most of the major appliances that produce heat can be fueled by either fossil fuels or electricity. Thus, the price of these types of energy are important explanatory variables in several of the models. The price of natural gas was used as a proxy for all fossil fuel prices, including propane.

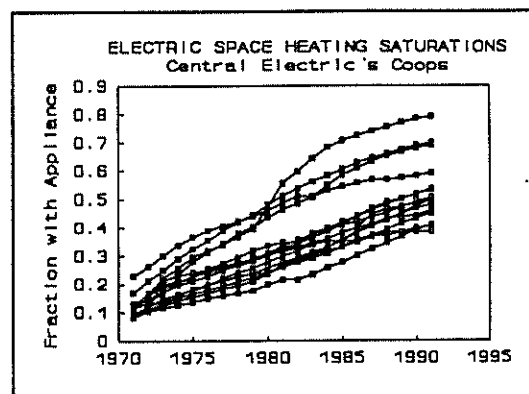


FIGURE I.2

Monthly data from Santee Cooper and the 15 cooperatives served by Central were combined to estimate the models. This data provided variation in energy prices, which allowed price effects to be estimated. Data were collected from the 1970 and 1980 Census of Households and from residential appliance saturation surveys conducted by Central and Santee Cooper in 1991 and 1992. The saturation models employed a logistic function.

The explanatory variables in the model for electric space heating included inflation adjusted prices of electricity and natural gas; the fraction of dwellings consisting of mobile homes; the fraction of homes that represented seasonal residences; and the fraction of homes with central air conditioning. Model parameters are reported in Volume 2 of this report.

Space heating saturations increased with lower electric prices, higher gas prices, a lower fraction of single family homes (or a higher fraction of mobile homes), higher saturations of central air conditioning or lower proportions of seasonal occupants. Seasonal occupancy was defined by customer response on the appliance saturation source. Builders who had first decided to install central air conditioning faced only a small additional cost to include a heat pump for heating. Strong preferences for central air have, in the past, and are expected, in the future, to boost the penetration of heat pumps.

Electric water heaters were found to be more likely in homes with electric space heating; less likely in mobile homes; and, less common in seasonal homes.

Central air conditioning was found to be less likely in service areas with higher electric prices; more likely in areas with warmer summers; more likely in larger dwellings; more likely in condominiums; less likely in seasonal homes; and, more likely in affluent neighborhoods.

Electric clothes dryers were found to be less likely in areas with higher electric rates; more likely on farms; less likely in mobile homes; less likely in rural areas; more likely in homes that also had electric heating; and more likely in affluent areas. The lower availability of gas in rural areas was measured by the number of miles of distribution lines per customer.

Electric cooking was found to be less likely in areas with higher electric rates; more likely in areas with higher natural gas rates; more likely in owner occupied dwellings; more likely in single family homes; and, more likely in affluent areas.

MODEL OF SALES PER CUSTOMER

A model of sales per customer was estimated by pooling monthly data from Santee Cooper and the 15 distribution cooperatives served by Central. Other miscellaneous uses, such as lighting, were estimated using an intercept term. Monthly sales per customer were explained by summing the consumption of individual major appliances and other miscellaneous uses. This sum was adjusted for electric rate and income differentials. The terms for space heating and air conditioning included degree day variables and an adjustment for the fraction of dwellings that were mobile homes. RMI was able to obtain reasonable (statistically significant) consumption estimates for all appliances except electric water heaters, room air conditioners, electric dryers, and

electric cooking. Average annual use for these smaller appliances were instead fixed at levels measured in a study for Florida Power and Light's Northern Division using conditional demand analyses.

The model was estimated with least squares statistical regression techniques. Parameter estimates and model equations are presented in Volume 2 of this report.

SAVINGS FROM DSM PROGRAMS

Most utilities find it difficult to measure savings from conservation and load management programs. This challenge has spawned a new specialty of utility marketing and supply planning known as DSM Evaluation.

Santee Cooper's Good Cents Program strives to improve the thermal efficiency of certified homes relative to homes constructed using more common construction techniques. Price impacts, however, partially offset these savings. Increased thermal efficiency will lower the cost of heating and cooling the home. Economic theory dictates that consumers will increase consumption of most goods if the prices of such goods are lowered. Hence, homeowners may respond to increased thermal efficiency by adjusting thermostats; heating or cooling more rooms; or, using space conditioning appliances more often. In addition, Good Cents certified homes receive a substantial discount from the standard residential rate, which will also lead to increased overall consumption.

Two studies were conducted to measure savings from the Good Cents program. The results were not consistent. One study modeled annual heating and cooling loads metered for a small sample of homes. In this study, the logarithm of annual loads was regressed on the logarithm of square footage and a binary variable indicating Good Cents certification. The results showed savings of nearly 30 percent for these loads.

The other study modeled total annual consumption for nearly 1,400 homes and accounted for a number of appliances and family size. This study found that total consumption was reduced by 732 kWh per year. Although further work will be necessary to reconcile these results, there are a number of plausible explanations for the differences. The forecast assumes the annual savings are 1,500 kWh.

The expected number of Good Cents homes was provided by Santee Cooper. The load reductions were measured by Santee Cooper to be 1.78 kW per participating household in the winter and 1.05 kW in the summer.

Savings from the H₂O Advantage program were estimated by Santee Cooper. Timers are programmed to turn off water heaters in the summer and winter. Savings estimated by Santee Cooper were 0.276 kW during summer months and 0.704 kW in winter months.

SANTEE COOPER'S DIRECT SERVICE CUSTOMERS

Methodology

The appliance saturation models and the model of sales per customer were both calibrated to Santee Cooper's loads in 1990 and 1991. In the saturation models, the intercept term was adjusted so that forecasted penetration levels matched recent data. In the model of use per customer, the terms for base heating and central air conditioning loads were re-estimated using 1990 and 1991 data from Santee Cooper.

Load Research Data

Load research data was used to model hourly loads and peak demands. It was also used in determining the optimal functional form to capture the impacts of temperature data on daily and monthly loads, particularly for heating and cooling loads.

Santee Cooper has two types of metered data available on households. First, appliance consumption data is available from meters on 70 homes which measure the usage of space heating, cooling, and water heating. Second, total consumption data is available from meters at approximately 400 homes where household consumption is measured every half-hour over the course of a year or more.

Results available from the larger sample were utilized to measure base temperatures. Figure I.3 shows average daily household consumption plotted against average temperature. Loads are shown to increase when the average temperature exceeds 70 degrees (or falls below 60 degrees) Fahrenheit. An econometric model was used to estimate reference base temperatures for heating and cooling degree days (weighted for three different stations) and coefficients to measure the slope or sensitivity of loads to degree days. The reference temperatures for heating and cooling degree days were 58

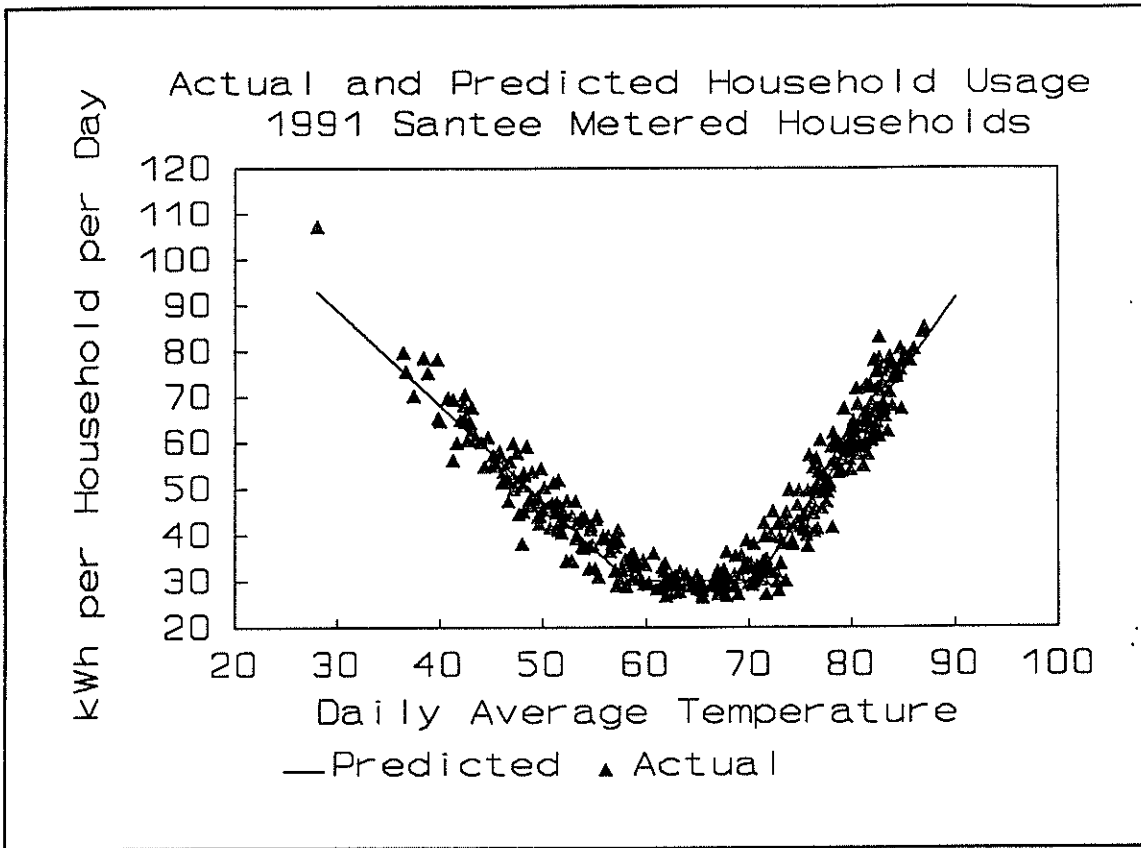


FIGURE I.3

and 71 degrees, respectively. Figure I.3 also shows the fitted line that was estimated by the model. By measuring the reference temperatures, RMI was able to explain loads as a linear function of degree days.

A similar model was estimated for metered loads from commercial buildings. The reference temperatures were 50 and 71 for heating and cooling degree days, respectively. Because these did not differ substantially from the residential results, one set of base temperatures was selected for use in all classes. These were 55 and 72 for heating and cooling degree days, respectively.

CENTRAL CUSTOMERS

Figure I.4 plots annual sales per household for the distribution cooperatives served by

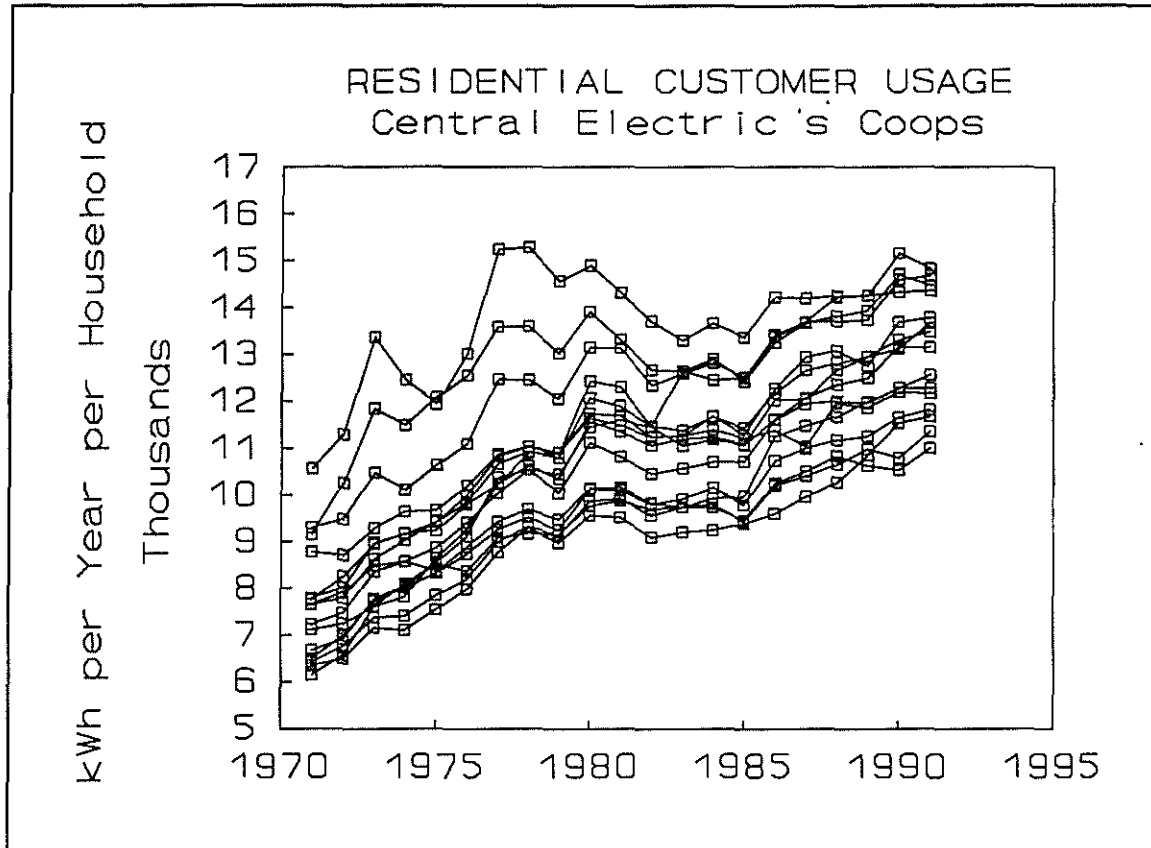


FIGURE I.4

Central. This figure demonstrates that the electric use per household has risen steadily since the early 1970s.

The econometric model described at the beginning of this section was calibrated to sales in 1991 by re-estimating the intercept and coefficients for space heating and water heating. For the City of Bennettsville, sales per household were extrapolated by using the growth rate for sales per household in Marlboro Cooperative.

SECTION II

COMMERCIAL SECTOR SALES

Sales to high voltage customers are generally assumed to fall in the industrial, or manufacturing, sector. Sales to low voltage, non-residential organizations, are generally assumed to represent sales to the commercial sector. This distinction is convenient because employment can generally be separated into "manufacturing" and "non-manufacturing" categories, and because the characteristics of each class of customers is known to differ.

A simplified model structure was used to model and forecast sales in this sector. Monthly sales for each distribution cooperative and for Santee Cooper were divided by commercial sector employment in each service area. Energy use per employee was then modeled as a function of heating and cooling degree days, and electric and natural gas prices. Cooling degree days alone were used to explain cooling loads. This specification assumes that air conditioning saturations have been, and will remain, constant in commercial buildings. Heating degree days (multiplied by the ratio of natural gas and electric prices) were used to explain variations in heating loads. This ratio was used as a proxy for electric space heating saturation. An exponent on the price ratio measured the sensitivity of electric heating saturations to price changes. Economists call this term an elasticity. An intercept term measured base loads, and the price of electricity impacted the sum of all three loads.

In the commercial sector (as compared to the residential sector), heating loads represent a much smaller proportion of total sales. It was also found that commercial customers were relatively price sensitive. The price elasticity was -0.94.

For the City of Bennettsville, sales per customer were extrapolated by using the growth rate for sales per customer in Marlboro Cooperative.

EMPLOYMENT GROWTH PROJECTIONS

Historical and forecasted employment levels at the county level were disaggregated to service areas for individual cooperatives and Santee Cooper using the ratio of households served in each county. Manufacturing employment was subtracted from non-agricultural employment to determine commercial sector employment levels.

SECTION III

INDUSTRIAL AND MILITARY SECTOR SALES

SANTEE COOPER DIRECT SERVICE CUSTOMERS

Santee Cooper serves 28 industrial customers and three military bases directly. RMI surveyed each of Santee Cooper's direct service industrial customers. The eight largest industrial customers served directly by Santee Cooper were surveyed utilizing site visits by RMI and Santee Cooper personnel. The other industrial and military customers were sent written questionnaires. The energy forecast is summarized below.

Santee Cooper
Direct Service Industrial Load
Forecast of Industrial and Military Energy Sales

Year	SANTEE COOPER	CENTRAL	TOTAL
	Sales (GWH)	Sales (GWH)	Sales (GWH)
1992 ⁽¹⁾	5,502	813	6,315
1997	5,049	1,318	6,367
2002	2,486	1,245	3,731
2012	2,624	1,478	4,102
Average Annual Compound Growth Rate			
1992-2002	(7.6%)	4.4%	(5.1%)
1992-2012	(3.6%)	3.0%	(2.1%)
⁽¹⁾ Actual			

Each customer was projected individually based on historical data, site interviews, questionnaire responses, and/or statistical analyses. Based on the results of various analyses, energy sales to Santee Cooper's direct service industrial and military sectors are projected to increase (or decrease) at a compound annual growth rate of (1.7%), (13.2%), and 0.5% for the periods 1992 through 1997, 1997 through 2002, and 2002 through 2012, respectively.

The declining growth rates between 1992 and 1997, and between 1997 and 2002, are attributable to the projected cessation of operations at MacAlloy, the Charleston Naval Base, and Alumax in the years 1995, 1997 and 2000, respectively. Energy requirements of Santee Cooper's existing industrial and military customers were projected based on results available from customer surveys and site visits, information provided by Santee Cooper, and projections developed by RMI.

Assumptions

1. The forecast assumes that Santee Cooper will continue to serve Alumax until the expiration of its contract in March 2000, after which it will cease operations.
2. MacAlloy is assumed to operate one furnace through December 1993; phase out operations in 1994; and, cease operations entirely by January 1995.
3. All additional new customer growth in the industrial sector is assumed to develop in Central's service area.
4. The forecast assumes that Santee Cooper's interruptible customers will be interrupted during the months of December, January, February, June, July, and August.
5. It is assumed that, throughout the forecast period, Santee Cooper will be required to serve its interruptible customers up to the amount of their firm contract demands.
6. The forecast assumes the current load at Myrtle Beach Air Force Base will remain constant over the forecast horizon.
7. The Charleston Naval Base is assumed to be completely shut down by 1997.

Detailed assumptions pertaining to each of the individual industrial and military customers projected in the forecast are listed in Volume 2 of this report.

Methodology

RMI surveyed each industrial customer served by Santee Cooper either directly or through a written questionnaire. Responses were received from 23 of the 31 customers

surveyed. In addition, RMI conducted on-site interviews for each of Santee Cooper's eight largest, direct service, industrial customers. RMI utilized the results of these site visits and survey questionnaires to project the loads for Santee Cooper's industrial customers. Where survey responses were not available from industrial customers directly, additional information was provided by Santee Cooper staff. Finally, RMI developed projections of industrial and military energy sales using statistical analysis for those industrial customers where survey data were not available and historical data made such projections appropriate.

The military installations currently served by Santee Cooper have experienced rather sporadic growth patterns in the past few years. These customers include the Charleston Naval Base, Charleston Air Force Base, and Myrtle Beach Air Force Base. During Spring of 1991, the Defense Base Closure and Realignment Commission identified Myrtle Beach Air Force Base for eventual closure. The deployment of substantially all equipment and personnel is scheduled to be complete by March 31, 1993. Upon completion of the closure, the military plans to turn over the base for civilian use. It is our understanding that all aircraft were removed from the facility in the Fall of 1992. The existing load, therefore, consists basically of housing and maintenance facilities. As a result, the forecast assumes the current load at Myrtle Beach Air Force Base will remain constant over the forecast horizon.

In March of 1993, the Charleston Naval Base was recommended for eventual closure by the Department of Defense. This recommendation is subject to review by the Defense Base Closure and Realignment Commission. Once finalized by the Commission, the list of military bases recommended for closure must be approved or disapproved in its entirety by the President. If approved by the President, the list is final unless rejected by both houses of Congress. The forecast assumes that the Charleston Naval Base will be completely shut down by 1997. The electric load at this facility has been reduced over the years 1994-1996 to account for the projected closure.

Electric loads at the other military installation currently served by Santee Cooper have been held constant at 1992 levels due to major changes expected in the U.S. Defense Department's budget.

Due to legislation currently in effect, the forecast assumes that Santee Cooper will not serve any new industrial customers except for those few which may locate within Santee Cooper's assigned retail service area. Therefore, the forecast reflects the effects of this legislation and assigns all new industrial growth to Central's service territory.

CENTRAL'S INDUSTRIAL CUSTOMERS

In recent years, Central's industrial class has been a major component of Santee Cooper's growth. In the Spring of 1987, the South Carolina General Assembly approved Senate Bill S.664, which prohibits Santee Cooper from competing for and directly serving any new industrial customers located within a service area assigned to an electric cooperative. However, if a new industrial customer is served by one of Central's member cooperatives, Santee Cooper provides such power to the customer through Central and its members. Subsequent to this legislation, Santee Cooper and Central formed an economic development corporation to facilitate economic growth. As a result, the load forecast closely examined historical and projected needs of Central's industrial customers.

Assumptions

1. Two new industrial loads are assumed to commence full-scale operations during 1993 within Central's service territory.
2. Ridgeway Mining is assumed to cease operations in the year 2000.
3. Willamette Industries is assumed to add capacity at its existing site in the year 2004. The forecast further assumes that Willamette will not cogenerate throughout the forecast period. The issue as to whether Willamette's cogeneration capabilities will be called for is appropriately the subject of further study and beyond the scope of the load forecast.
4. New industrial customer growth is assumed to occur among Central's smaller industrial customers.

Detailed assumptions pertaining to individual forecasts of Central's industrial customers are provided in Volume 2 of this report.

Methodology

RMI surveyed Central's industrial customers either directly or through a written questionnaire. Responses were received from 7 of the 18 customers surveyed. In addition, RMI conducted on-site interviews for Central's two largest industrial customers, Ridgeway Mining and Willamette. RMI utilized the results of these site

visits and survey questionnaires to project the loads for Central's industrial customers. Where survey responses were not available from industrial customers directly, additional information was provided by Central staff. Finally, RMI developed projections of energy and demand requirements using statistical analysis for those industrial customers where survey data were not available and historical data made such projections appropriate.

In an effort to account for additional growth in Central's industrial sector, Central's industrial customers were categorized as either "large" or "small". Those customers served by Central that were characterized as "large" include:

- Allied Signal
- Brewer Gold
- Federal Paper Board
- Fibers Industries
- Nanya Plastics
- Owen Industrial Products
- Ridgeway Mining
- Shaw Air Force Base
- Teledyne
- VVV Corporation
- Wellman Industries
- Willamette

All other industrial customers currently served by Central were categorized as "small" industrial customers. Growth rates for Central's "small" industrial loads were increased by 1.5% annually in the Base Case forecast. The estimated annual increase of 1.5% is somewhat subjective and intended to account for currently unforeseen additional growth in the industrial sector.

SECTION IV

SALES TO MUNICIPALITIES

Two of Santee Cooper's wholesale customers are the City of Georgetown and the Town of Bamberg. These municipalities serve approximately 5,500 residential customers combined, as compared with the 80,000 residential customers served directly by Santee Cooper and the 310,000 residential customers served by Central's distribution cooperatives.

METHODOLOGY

Since appliance surveys were not available for these customers, the forecast assumes that household characteristics for the homes served by these cities will be like those served directly by Santee Cooper. Sales for these customers were forecasted by multiplying the average sales per residential and commercial customer (for Santee Cooper's direct service customers) by the number of corresponding customers projected for Georgetown and Bamberg. Growth rates for households and employees in Santee Cooper's service area were used to forecast the number of residential and commercial customers for both cities.

SECTION V

PURCHASES FROM OTHER UTILITIES AND OFF-SYSTEM SALES

SUBSTATIONS SERVED BY OTHER UTILITIES

Woodland Hills

The Woodland Hills substation is currently served by South Carolina Electric & Gas (SCE&G). Santee Cooper's purchases from SCE&G at this site are expected to cease as of 1996, at which time this substation will be supplied directly from Santee Cooper's transmission system.

Table 1 shows the Woodland Hills purchase as a deduction from Total Output to Lines. This deduction ceases as of January 1996 when Santee Cooper begins direct service to this load.

In addition, SCE&G currently serves the Limehouse and Jedburg substations. Central purchases a combined total of approximately 9 MW and 35,900 MWH annually from SCE&G at these sites. This load is expected to be served totally by Santee Cooper directly from its transmission system by 1997. Table 1 reflects this purchase as an offset to "Total Output to Lines", which ceases in January 1997 when Santee Cooper is expected to serve the load. It is currently anticipated that the Limehouse substation load will be served by Santee Cooper directly from its transmission system prior to the projected system peak for 1993. The forecast includes an adjustment for this load.

Energy and demand requirements at the substations served by SCE&G were produced utilizing information from Central, historical energy and demand data, and statistical analyses.

Off-System Sales to the North Carolina Eastern Municipal Power Agency (NCEMPA)

The forecast assumes that off-system sales will be in accordance with terms of the long-term contract between Santee Cooper and the North Carolina Eastern Municipal Power Agency (NCEMPA) for the sale and purchase of firm capacity.

Off-system sales to NCEMPA in 1993 are projected to be approximately 77 MW and 53,944 MWH. The schedule of Contract Demands for the years 1994 through 1998 is as follows:

Contract Year	Contract Demand (KW)
1993	77,000
1994	100,000
1995	100,000
1996	100,000
1997	100,000
1998	50,000

SECTION VI

LOSSES AND NET ENERGY FOR LOAD

TRANSMISSION LOSSES

The load forecast utilizes transmission and distribution loss factors for Santee Cooper as outlined below.

TYPE OF LOSSES	COINCIDENT PEAK DEMAND	ENERGY
Transmission Losses	3.08%	2.33%
Transformation Losses	0.55%	0.56%
Total Transmission Losses	3.65%	2.90%
Distribution Losses	2.40%	2.40%

Transmission loss factors are based on historical data provided by Santee Cooper for the period December 1987 through November 1991. Transformation loss factors were provided by Santee Cooper staff. Distribution losses are as provided by Santee Cooper based on four years' historical data.

These loss factors were used to account for transmission and distribution losses within Santee Cooper's system. Losses are handled as a line item in Table 1.

SECTION VII

DEMAND PROJECTIONS

DEMAND PROJECTIONS

A forecast of monthly and hourly coincident peak demands is useful in comparing the costs of acquiring different electric supply side options, including base load generating units, peaking units, conservation measures and load management. Electric sales and monthly peaks for the residential and commercial classes are determined from hourly loads. There are a number of different ways to achieve this consistency.

RMI elected to first model monthly electric sales, and then output potential connected load drivers for a set of hourly models. These drivers account for appliance saturations, energy price impacts and demographic changes exactly in proportion to the way these factors impact sales. Three connected load series are computed for heating, cooling and other base loads. The hourly models distribute the connected potential loads to each hour of the day using a set of hourly end-use load profiles to reflect behavioral patterns, and then incorporate temperature effects for cooling and heating loads.

LOAD RESEARCH DATA

Load research data available from Santee Cooper was used to model hourly loads. This data, described above in the Executive Summary and in Section I of this report, allowed the separation of various appliance loads and permitted behavioral patterns to be separated from the effects of daily and monthly temperature variations. This is important since appliance saturations change at different rates and heating, cooling and base loads have different load profiles. Also, household and employment growth have differed historically; and these electric consumers have different daily behavioral patterns that partly determine their daily load profiles.

Separately metered appliance loads were not used since load profiles could be easily separated within whole house metered loads. Whole house metered loads were found to be more representative of the total household population. However, separately metered loads are useful for displaying end-use load profiles. Figure VII.1 shows daily load profiles for heating and cooling loads for each of the twelve months. Heating

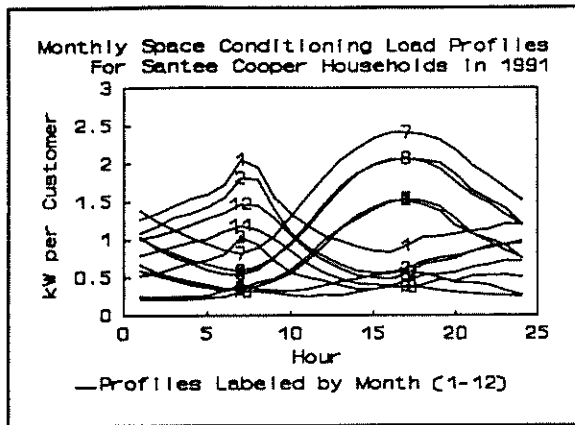


FIGURE VII.1

smaller but broader peak around 8:00 pm.

Other base loads, shown in Figure VII.3, build

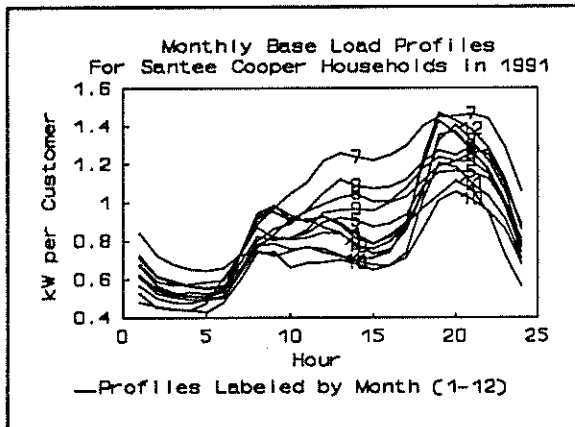


FIGURE VII.3

loads in households peak fairly abruptly around 7:00 am whereas cooling loads have a broader peak around 5:00 pm.

Water heating loads, shown in Figure VII.2 demonstrate two daily peaks; one, a spike about 8:00 am, the other, a

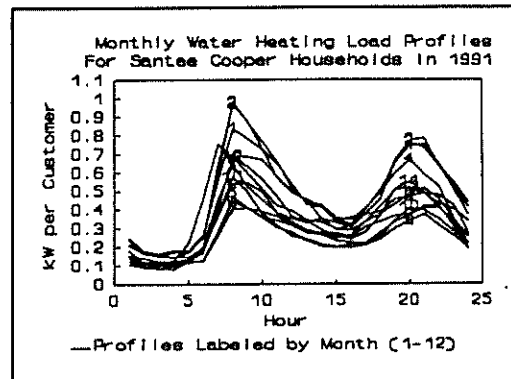


FIGURE VII.2

up throughout the day, peaking around 7:00 or 8:00 pm. While lighting would be a major component of this load, July (with the longest days) shows the greatest load. Room air conditioners and ceiling fans are included in "other base loads" since they were not metered with central heating and cooling loads.

Econometric models were developed to explain hourly loads for residential, commercial, municipal and Central Electric customer classes. The residential and commercial loads were each modeled on data for small samples of customers. The results from these models were then used to model distribution loads defined as system hourly loads minus industrial hourly loads.

Each of these models was used to first explain daily loads and determine optimal weights for the three weather stations, and reference temperatures for heating and cooling degree hours. Then coefficients were estimated for each of the potential connected loads, namely heating, cooling and "other base loads," and a coefficient was

estimated as a weight for the daily high and low temperatures. These coefficients were separately estimated for each hour of the day, for both weekdays and weekends. High and low temperatures were used in lieu of hourly temperature data, which was not available. Instead, a weighted average of high and low temperatures was used to represent the temperature for each hour.

In the model for distribution loads, which arises mainly from residential and commercial sector customers served directly by Santee Cooper, the potential connected loads for residential and commercial customers were distributed to hours using the coefficients estimated in the hourly models for residential and commercial sector loads. Distribution loads were modeled as an intermediate step to ensure the model was fully calibrated rather than based on loads from a small sample of customers.

USING THE MODELS TO SIMULATE HOURLY LOADS FOR SANTEE COOPER

The hourly models for distribution, municipal, and Central's loads were used to simulate hourly loads in each forecast year. Daily temperature data from 1967 through 1991 were used to forecast 25 sets of hourly loads for each year. Each simulation produced one monthly peak, and these were averaged to produce a forecast of Santee Cooper's monthly coincident peak demand for distribution, municipal and Central's loads. Monthly peak loads for industrial sector customers were then added to these results to produce peak demand for the system.

The 25 simulations were also combined to produce a typical set of hourly loads for a 20 year forecast horizon. This is difficult conceptually, because it is difficult to define a normal pattern of hourly loads. During a typical year, some months will show above average loads while other months will be less than average.

A typical load duration curve can, however, be easily defined from these simulations. For each forecast year, one can average the 25 loads for each of the 8,760 hours per year in the load duration curves. From these simulations, the mean and standard deviation can be computed for each hour. This typical load duration curve can then be converted into a typical hourly load pattern by matching the typical load duration curve to that for a given "test" year and then resorting the first set of loads based on the dates in the test year. Production costing can then be performed with these loads. 1991 was selected as the test year in the forecast.

SANTEE COOPER'S DIRECT SERVICE INDUSTRIAL AND MILITARY LOADS

Monthly and Annual Coincident Peak Demands

RMI utilized responses to the industrial customer survey to forecast coincident peak demands for each of Santee Cooper's direct service industrial and military customers. Where survey responses were not available from industrial customers directly, additional information was provided by Santee Cooper's staff. RMI developed projections of industrial and military coincident peak demands using statistical analysis and patterns in load factors where survey data were not available and historical information made such projections appropriate.

Each customer was projected individually based on historical data, site interviews, questionnaire responses, and/or statistical analyses. Based on the results of the various analyses, the coincident peak demands of Santee Cooper's direct service industrial and military sectors are projected to increase or (decrease) at a compound annual growth rate of (2.1%), (15.3%), and 0.6% for the periods 1992 through 1997, 1997 through 2002, and 2002 through 2012, respectively. The forecast is summarized below.

Santee Cooper
Direct Service Industrial Load
Forecast of Coincident Peak Demand

SANTEE COOPER	
Year	Peak Demand (MW)
1992 ⁽¹⁾	579
1997	522
2002	228
2012	241
Average Annual Compound Growth Rate	
1992-2002	(8.9%)
1992-2012	(4.3%)
⁽¹⁾ <i>Actual</i>	

The declining growth rates between 1992 and 1997, and between 1997 and 2002, are attributable to the projected cessation of operations at MacAlloy, the Charleston Naval Base, and Alumax in the years 1995, 1997 and 2000, respectively. The projected shutdowns are accompanied by low growth rates at other major industrial facilities and at the military installations served by Santee Cooper. Coincident peak demands of Santee Cooper's existing industrial and military customers were projected based on results available from customer surveys and site visits, information provided by Santee Cooper, and projections developed by RMI.

Hourly Loads

Hourly loads for Santee Cooper's direct service industrial and military customers were developed utilizing hourly load patterns from 1991 historical load data. The 1991 data were initially adjusted to eliminate the effects of actual interruptible load curtailments. The revised data were further adjusted based on the ratio of forecasted monthly class energy consumption to the 1991 energy consumption for the same months. These loads

were then reduced by estimated load curtailments of Santee Cooper's industrial interruptible customers as described below.

First, 1991 daily system peak demands were determined from hourly system load data, adjusted to include actual interruptible customers' curtailed demands. The amount of demand curtailed was determined each hour to limit the monthly peak demand to a target value. The target value was based on 1991's monthly peak demand before interruptions; the contract interruptible demand available to Santee Cooper; and, a criterion of limiting the total annual curtailments to 150 hours. This analysis was then to establish a monthly pattern of interruptions for all projected years.

The curtailment months included January, February, June, July, August, and December. Santee Cooper may also curtail its interruptible customers in other months if a generation deficiency exists on the system or if it is not economically attractive to start a particular generating unit. These two curtailment criteria are a function of system dispatching and are beyond the scope of the 1993 Load Forecast. RMI has, therefore, not included any additional curtailments for system dispatching considerations.

Average annual system losses for transmission and transformation were added to projected coincident peak demands prior to the development of industrial class hourly loads.

CENTRAL'S INDUSTRIAL LOADS

Monthly and annual coincident peak demands for Central's industrial customers were forecast in the same manner as the direct service industrial and military customers served by Santee Cooper. In addition, estimates of coincident peak demand provided by Central were utilized where historical and survey data were not available. Forecasts of coincident peak demand for Central's industrial customers are summarized below.

**Central Electric Power Cooperative
Forecast of Industrial Coincident Peak Demand**

CENTRAL	
Year	Peak Demand (MW)
1992 ⁽¹⁾	120
1997	188
2002	181
2012	213
Average Annual Compound Growth Rate	
1992-2002	4.2%
1992-2012	2.9%
<i>⁽¹⁾Actual</i>	

Average annual compound rate of growth between 1992 and 2002 reflects dramatic increases in electrical consumption projected for some of Central's newer industrial customers. Such increases are partially offset by the shutdown of operations at Ridgeway Mining in 2000.

SYSTEM COINCIDENT PEAK DEMAND

The Santee Cooper system coincident peak demand is assumed to occur in July of every year during the forecast. Coincident peak demands were developed for each customer classification. Distribution and transmission losses were added to these figures. The sum of all coincident peak demands for individual customer classifications and estimated losses associated with such demand requirements were summed to produce "Total Output to Lines." Purchases from outside utilities were then deducted and off-system sales were added to produce Santee Cooper's "Total Territorial Coincident Peak Demand." Table 1 gives these calculations in detail.

APPENDIX A
BASE CASE TABLES

SANTEE COOPER ENERGY FORECAST
Summary Table – (GWH)

Final

	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>
Residential:																				
Total Residential	1,085	1,142	1,195	1,246	1,296	1,346	1,395	1,445	1,495	1,545	1,596	1,647	1,699	1,751	1,803	1,856	1,910	1,964	2,019	2,075
Distribution Losses	<u>26</u>	<u>27</u>	<u>29</u>	<u>30</u>	<u>31</u>	<u>32</u>	<u>33</u>	<u>35</u>	<u>36</u>	<u>37</u>	<u>38</u>	<u>40</u>	<u>41</u>	<u>42</u>	<u>43</u>	<u>45</u>	<u>46</u>	<u>47</u>	<u>48</u>	<u>50</u>
Residential Sales	1,111	1,169	1,224	1,276	1,327	1,378	1,428	1,480	1,531	1,582	1,634	1,687	1,740	1,793	1,846	1,901	1,956	2,011	2,067	2,125
Transmission Losses	32	34	35	37	38	40	41	43	44	46	47	49	50	52	54	55	57	58	60	62
Commercial:																				
Commercial	1,138	1,198	1,239	1,272	1,302	1,330	1,358	1,385	1,412	1,438	1,463	1,489	1,514	1,538	1,563	1,587	1,610	1,634	1,657	1,681
Distribution Losses	<u>27</u>	<u>29</u>	<u>30</u>	<u>31</u>	<u>31</u>	<u>32</u>	<u>33</u>	<u>33</u>	<u>34</u>	<u>35</u>	<u>35</u>	<u>36</u>	<u>36</u>	<u>37</u>	<u>38</u>	<u>38</u>	<u>39</u>	<u>39</u>	<u>40</u>	<u>40</u>
Commercial Sales	1,165	1,227	1,269	1,303	1,333	1,362	1,391	1,418	1,446	1,473	1,498	1,525	1,550	1,575	1,601	1,625	1,649	1,673	1,697	1,721
Transmission Losses	34	36	37	38	39	39	40	41	42	43	43	44	45	46	46	47	48	49	49	50
Industrial:																				
Total Industrial	2,937	2,784	2,547	2,457	2,419	2,432	2,446	2,459	2,473	2,486	2,500	2,514	2,527	2,541	2,555	2,569	2,582	2,596	2,610	2,624
Transmission Losses	85	81	74	71	70	71	71	71	72	72	73	73	73	74	74	74	75	75	76	76
Alumax:																				
Alumax	2,630	2,630	2,630	2,630	2,630	2,630	2,630	652	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	76	76	76	76	76	76	76	19	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:																				
Municipals	189	199	207	213	219	225	230	236	242	247	253	258	264	269	275	281	286	292	297	303
Transmission Losses	5	6	6	6	6	7	7	7	7	7	7	7	8	8	8	8	8	8	9	9
Central Electric:																				
Total Central Electric	6,641	6,903	7,169	7,359	7,574	7,793	8,028	8,215	8,408	8,660	8,919	9,385	9,662	9,949	10,245	10,552	10,868	11,196	11,536	11,886
Transmission Losses	193	200	208	213	220	226	233	238	244	251	259	272	280	289	297	306	315	325	335	345
Total Energy Sales	14,620	14,856	14,987	15,177	15,440	15,756	16,087	14,392	14,030	14,376	14,731	15,293	15,666	16,048	16,441	16,845	17,256	17,682	18,119	18,569
Total Distribution Losses	53	56	59	61	62	64	66	68	70	72	73	76	77	79	81	83	85	86	88	90
Total Transmission Losses	<u>425</u>	<u>433</u>	<u>436</u>	<u>441</u>	<u>449</u>	<u>459</u>	<u>468</u>	<u>419</u>	<u>409</u>	<u>419</u>	<u>429</u>	<u>445</u>	<u>456</u>	<u>469</u>	<u>479</u>	<u>490</u>	<u>503</u>	<u>515</u>	<u>529</u>	<u>542</u>
Total Output to Lines	15,098	15,345	15,482	15,679	15,951	16,279	16,621	14,879	14,509	14,867	15,233	15,814	16,199	16,596	17,001	17,418	17,844	18,283	18,736	19,201
Woodland Hills	71	75	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Central Substations	<u>91</u>	<u>95</u>	<u>101</u>	<u>106</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Territorial Energy	14,936	15,175	15,306	15,573	15,951	16,279	16,621	14,879	14,509	14,867	15,233	15,814	16,199	16,596	17,001	17,418	17,844	18,283	18,736	19,201
Off-System Sales:																				
NCEMPA	<u>54</u>	<u>70</u>	<u>70</u>	<u>70</u>	<u>70</u>	<u>35</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Off-System Sales	54	70	70	70	70	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	14,990	15,245	15,376	15,643	16,021	16,314	16,621	14,879	14,509	14,867	15,233	15,814	16,199	16,596	17,001	17,418	17,844	18,283	18,736	19,201

SANTEE COOPER ENERGY FORECAST
Calendar Year 1993 – (MWH)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	117,319	118,350	81,591	58,476	55,351	82,819	118,090	131,007	105,921	67,594	60,307	87,747	1,084,572
Distribution Losses	<u>2,816</u>	<u>2,840</u>	<u>1,958</u>	<u>1,403</u>	<u>1,328</u>	<u>1,988</u>	<u>2,834</u>	<u>3,144</u>	<u>2,542</u>	<u>1,622</u>	<u>1,447</u>	<u>2,106</u>	<u>26,028</u>
Residential Sales	120,135	121,190	83,549	59,879	56,679	84,807	120,924	134,151	108,463	69,216	61,754	89,853	1,110,600
Transmission Losses	3,484	3,515	2,423	1,736	1,644	2,459	3,507	3,890	3,145	2,007	1,791	2,606	32,207
Commercial:													
Total Commercial	83,042	83,155	78,642	76,280	80,139	102,048	127,339	136,649	118,608	89,582	79,427	82,638	1,137,549
Distribution Losses	<u>1,993</u>	<u>1,996</u>	<u>1,887</u>	<u>1,831</u>	<u>1,923</u>	<u>2,449</u>	<u>3,056</u>	<u>3,280</u>	<u>2,847</u>	<u>2,150</u>	<u>1,906</u>	<u>1,983</u>	<u>27,301</u>
Commercial Sales	85,035	85,151	80,529	78,111	82,062	104,497	130,395	139,929	121,455	91,732	81,333	84,621	1,164,850
Transmission Losses	2,466	2,469	2,335	2,265	2,380	3,030	3,781	4,058	3,522	2,660	2,359	2,454	33,779
Industrial:													
Total Industrial	229,258	225,447	250,318	247,156	258,584	251,318	252,270	260,336	253,153	256,607	236,150	216,383	2,936,980
Transmission Losses	6,648	6,538	7,259	7,168	7,499	7,288	7,316	7,550	7,341	7,442	6,848	6,275	85,172
Alumax:													
Alumax	224,035	204,249	223,558	215,895	223,136	215,266	222,888	222,766	215,317	222,930	216,168	224,096	2,630,304
Transmission Losses	6,497	5,923	6,483	6,261	6,471	6,243	6,464	6,460	6,244	6,465	6,269	6,499	76,279
Municipals:													
Municipals	15,184	14,409	13,041	12,310	13,125	17,128	21,306	22,014	18,563	14,070	13,158	14,727	189,035
Transmission Losses	440	418	378	357	381	497	618	638	538	408	382	427	5,482
Central Electric:													
Total Central Electric	657,151	562,440	473,098	425,671	472,723	598,550	701,773	671,833	550,666	440,979	474,591	611,061	6,640,536
Transmission Losses	19,057	16,311	13,720	12,344	13,709	17,358	20,351	19,483	15,969	12,788	13,763	17,721	192,574
Total Energy Sales	1,325,989	1,208,050	1,120,248	1,035,788	1,103,058	1,267,129	1,443,666	1,444,605	1,262,228	1,091,762	1,079,801	1,236,652	14,618,976
Total Distribution Losses	4,809	4,836	3,845	3,234	3,251	4,437	5,890	6,424	5,389	3,772	3,353	4,089	53,329
Total Transmission Losses	<u>38,592</u>	<u>35,174</u>	<u>32,598</u>	<u>30,131</u>	<u>32,084</u>	<u>36,875</u>	<u>42,037</u>	<u>42,079</u>	<u>36,759</u>	<u>31,770</u>	<u>31,412</u>	<u>35,982</u>	<u>425,493</u>
Total Output to Lines	1,369,390	1,248,060	1,156,691	1,069,153	1,138,393	1,308,441	1,491,593	1,493,108	1,304,376	1,127,304	1,114,566	1,276,723	15,097,798
Woodland Hills	6,256	5,248	5,281	4,759	5,419	6,500	7,574	7,176	5,985	5,007	5,090	6,419	70,714
Other Central Substations	<u>8,526</u>	<u>7,188</u>	<u>6,916</u>	<u>5,710</u>	<u>6,504</u>	<u>7,863</u>	<u>9,741</u>	<u>9,174</u>	<u>7,369</u>	<u>6,316</u>	<u>6,637</u>	<u>8,600</u>	<u>90,544</u>
Territorial Energy	1,354,608	1,235,624	1,144,494	1,058,684	1,126,470	1,294,078	1,474,278	1,476,758	1,291,022	1,115,981	1,102,839	1,261,704	14,936,540
Off-System Sales:													
NCEMPA	<u>6,302</u>	<u>5,692</u>	<u>3,437</u>	<u>3,326</u>	<u>3,437</u>	<u>6,653</u>	<u>6,875</u>	<u>6,875</u>	<u>1,663</u>	<u>1,719</u>	<u>1,663</u>	<u>6,302</u>	<u>53,944</u>
Total Off-System Sales	6,302	5,692	3,437	3,326	3,437	6,653	6,875	6,875	1,663	1,719	1,663	6,302	53,944
Total Requirements	1,360,910	1,241,316	1,147,931	1,062,010	1,129,907	1,300,731	1,481,153	1,483,633	1,292,685	1,117,700	1,104,502	1,268,006	14,990,484

SANTA FE COOPER ENERGY FORECAST

Calendar Year 1994 - (MWH)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	124,071	125,152	86,081	61,474	58,103	87,134	124,380	137,952	111,367	70,843	63,131	92,075	1,141,763
Distribution Losses	<u>2,978</u>	<u>3,004</u>	<u>2,066</u>	<u>1,475</u>	<u>1,394</u>	<u>2,091</u>	<u>2,985</u>	<u>3,311</u>	<u>2,673</u>	<u>1,700</u>	<u>1,515</u>	<u>2,210</u>	<u>27,402</u>
Residential Sales	127,049	128,156	88,147	62,949	59,497	89,225	127,365	141,263	114,040	72,543	64,646	94,285	1,169,165
Transmission Losses	3,684	3,717	2,556	1,826	1,725	2,588	3,694	4,097	3,307	2,104	1,875	2,734	33,907
Commercial:													
Total Commercial	87,915	88,288	83,537	80,733	84,636	107,651	134,228	143,651	124,379	93,735	82,974	86,255	1,197,982
Distribution Losses	<u>2,110</u>	<u>2,119</u>	<u>2,005</u>	<u>1,938</u>	<u>2,031</u>	<u>2,584</u>	<u>3,221</u>	<u>3,448</u>	<u>2,985</u>	<u>2,250</u>	<u>1,991</u>	<u>2,070</u>	<u>28,752</u>
Commercial Sales	90,025	90,407	85,542	82,671	86,667	110,235	137,449	147,099	127,364	95,985	84,965	88,325	1,226,734
Transmission Losses	2,611	2,622	2,481	2,397	2,513	3,197	3,986	4,266	3,694	2,784	2,464	2,561	35,576
Industrial:													
Total Industrial	214,521	212,038	235,683	232,674	243,600	239,431	240,020	248,269	240,954	244,610	224,600	207,614	2,784,014
Transmission Losses	6,221	6,149	6,835	6,748	7,064	6,943	6,961	7,200	6,988	7,094	6,513	6,021	80,737
Alumax:													
Alumax	224,035	204,249	223,558	215,895	223,136	215,266	222,888	222,766	215,317	222,930	216,168	224,096	2,630,304
Transmission Losses	6,497	5,923	6,483	6,261	6,471	6,243	6,464	6,460	6,244	6,465	6,269	6,499	76,279
Municipals:													
Municipals	16,122	15,303	13,827	12,996	13,832	18,048	22,443	23,134	19,454	14,709	13,753	15,424	199,045
Transmission Losses	468	444	401	377	401	523	651	671	564	427	399	447	5,773
Central Electric:													
Total Central Electric	684,582	584,975	491,570	442,032	490,779	621,144	728,130	697,743	572,687	458,567	493,872	637,140	6,903,221
Transmission Losses	19,853	16,964	14,256	12,819	14,233	18,013	21,116	20,235	16,608	13,298	14,322	18,477	200,194
Total Energy Sales	1,351,246	1,230,005	1,134,256	1,045,804	1,114,086	1,288,674	1,472,089	1,473,515	1,284,158	1,105,394	1,094,498	1,262,604	14,856,329
Total Distribution Losses	5,088	5,123	4,071	3,413	3,425	4,675	6,206	6,759	5,658	3,950	3,506	4,280	56,154
Total Transmission Losses	<u>39,334</u>	<u>35,819</u>	<u>33,012</u>	<u>30,428</u>	<u>32,407</u>	<u>37,507</u>	<u>42,872</u>	<u>42,929</u>	<u>37,405</u>	<u>32,172</u>	<u>31,842</u>	<u>36,739</u>	<u>432,466</u>
Total Output to Lines	1,395,668	1,270,947	1,171,339	1,079,645	1,149,918	1,330,856	1,521,167	1,523,203	1,327,221	1,141,516	1,129,846	1,303,623	15,344,949
Woodland Hills	6,645	5,575	5,610	5,055	5,756	6,905	8,046	7,623	6,358	5,319	5,407	6,819	75,118
Other Central Substations	<u>8,458</u>	<u>7,153</u>	<u>6,888</u>	<u>6,080</u>	<u>6,926</u>	<u>8,375</u>	<u>10,376</u>	<u>9,774</u>	<u>7,850</u>	<u>6,727</u>	<u>7,067</u>	<u>9,158</u>	<u>94,832</u>
Territorial Energy	1,380,565	1,258,219	1,158,841	1,068,510	1,137,236	1,315,576	1,502,745	1,505,806	1,313,013	1,129,470	1,117,372	1,287,646	15,174,999
Off-System Sales:													
NCEMPA	<u>8,184</u>	<u>7,392</u>	<u>4,464</u>	<u>4,320</u>	<u>4,464</u>	<u>8,640</u>	<u>8,928</u>	<u>8,928</u>	<u>2,160</u>	<u>2,232</u>	<u>2,160</u>	<u>8,184</u>	<u>70,056</u>
Total Off-System Sales	8,184	7,392	4,464	4,320	4,464	8,640	8,928	8,928	2,160	2,232	2,160	8,184	70,056
Total Requirements	1,388,749	1,265,611	1,163,305	1,072,830	1,141,700	1,324,216	1,511,673	1,514,734	1,315,173	1,131,702	1,119,532	1,295,830	15,245,055

SANTEE COOPER ENERGY FORECAST

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Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	130,361	131,436	90,181	64,207	60,618	91,112	130,214	144,420	116,452	73,877	65,777	96,160	1,194,815
Distribution Losses	<u>3,129</u>	<u>3,154</u>	<u>2,164</u>	<u>1,541</u>	<u>1,455</u>	<u>2,187</u>	<u>3,125</u>	<u>3,466</u>	<u>2,795</u>	<u>1,773</u>	<u>1,579</u>	<u>2,308</u>	<u>28,676</u>
Residential Sales	133,490	134,590	92,345	65,748	62,073	93,299	133,339	147,886	119,247	75,650	67,356	98,468	1,223,491
Transmission Losses	3,871	3,903	2,678	1,907	1,800	2,706	3,867	4,289	3,458	2,194	1,953	2,856	35,482
Commercial:													
Total Commercial	91,695	91,931	86,774	83,694	87,614	111,319	138,671	148,271	128,272	96,598	85,467	88,833	1,239,139
Distribution Losses	<u>2,201</u>	<u>2,206</u>	<u>2,083</u>	<u>2,009</u>	<u>2,103</u>	<u>2,672</u>	<u>3,328</u>	<u>3,559</u>	<u>3,079</u>	<u>2,318</u>	<u>2,051</u>	<u>2,132</u>	<u>29,741</u>
Commercial Sales	93,896	94,137	88,857	85,703	89,717	113,991	141,999	151,830	131,351	98,916	87,518	90,965	1,268,880
Transmission Losses	2,723	2,730	2,577	2,485	2,602	3,306	4,118	4,403	3,809	2,869	2,538	2,638	36,798
Industrial:													
Total Industrial	193,302	192,577	214,479	211,579	221,268	220,233	220,024	228,233	221,099	225,418	206,482	192,512	2,547,206
Transmission Losses	5,606	5,585	6,220	6,136	6,417	6,387	6,381	6,619	6,412	6,537	5,988	5,583	73,871
Alumax:													
Alumax	224,035	204,249	223,558	215,895	223,136	215,266	222,888	222,766	215,317	222,930	216,168	224,096	2,630,304
Transmission Losses	6,497	5,923	6,483	6,261	6,471	6,243	6,464	6,460	6,244	6,465	6,269	6,499	76,279
Municipals:													
Municipals	16,895	15,988	14,391	13,485	14,340	18,719	23,271	23,954	20,109	15,184	14,212	15,984	206,532
Transmission Losses	490	464	417	391	416	543	675	695	583	440	412	464	5,990
Central Electric:													
Total Central Electric	709,641	606,519	509,980	459,001	510,241	645,937	757,536	725,487	595,222	476,286	512,361	660,563	7,168,774
Transmission Losses	20,580	17,589	14,789	13,311	14,797	18,732	21,969	21,039	17,261	13,812	14,858	19,156	207,893
Total Energy Sales	1,365,929	1,242,700	1,139,363	1,047,861	1,117,217	1,302,586	1,492,604	1,493,131	1,296,471	1,110,293	1,100,467	1,278,148	14,986,770
Total Distribution Losses	5,330	5,360	4,247	3,550	3,558	4,859	6,453	7,025	5,874	4,091	3,630	4,440	58,417
Total Transmission Losses	39,767	36,194	33,164	30,491	32,503	37,917	43,474	43,505	37,767	32,317	32,018	37,196	436,313
Total Output to Lines	1,411,026	1,284,254	1,176,774	1,081,902	1,153,278	1,345,362	1,542,531	1,543,661	1,340,112	1,146,701	1,136,115	1,319,784	15,481,500
Woodland Hills	6,645	5,575	5,610	5,055	5,756	6,905	8,046	7,623	6,358	5,319	5,407	6,819	75,118
Other Central Substations	<u>8,971</u>	<u>7,587</u>	<u>7,306</u>	<u>6,449</u>	<u>7,347</u>	<u>8,887</u>	<u>11,012</u>	<u>10,374</u>	<u>8,331</u>	<u>7,137</u>	<u>7,497</u>	<u>9,715</u>	<u>100,613</u>
Territorial Energy	1,395,410	1,271,092	1,163,858	1,070,398	1,140,175	1,329,570	1,523,473	1,525,664	1,325,423	1,134,245	1,123,211	1,303,250	15,305,769
Off-System Sales:													
NCEMPA	8,184	7,392	4,464	4,320	4,464	8,640	8,928	8,928	2,160	2,232	2,160	8,184	70,056
Total Off-System Sales	8,184	7,392	4,464	4,320	4,464	8,640	8,928	8,928	2,160	2,232	2,160	8,184	70,056
Total Requirements	1,403,594	1,278,484	1,168,322	1,074,718	1,144,639	1,338,210	1,532,401	1,534,592	1,327,583	1,136,477	1,125,371	1,311,434	15,375,825

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	136,330	137,416	94,086	66,811	63,019	94,923	135,822	150,651	121,359	76,810	68,340	100,133	1,245,700
Distribution Losses	<u>3,272</u>	<u>3,298</u>	<u>2,258</u>	<u>1,603</u>	<u>1,512</u>	<u>2,278</u>	<u>3,260</u>	<u>3,616</u>	<u>2,913</u>	<u>1,843</u>	<u>1,640</u>	<u>2,403</u>	<u>29,896</u>
Residential Sales	139,602	140,714	96,344	68,414	64,531	97,201	139,082	154,267	124,272	78,653	69,980	102,536	1,275,596
Transmission Losses	4,048	4,081	2,794	1,984	1,871	2,819	4,033	4,474	3,604	2,281	2,029	2,974	36,992
Commercial:													
Total Commercial	94,427	94,613	89,210	85,969	89,942	114,224	142,234	152,034	131,492	99,000	87,585	91,046	1,271,776
Distribution Losses	<u>2,266</u>	<u>2,271</u>	<u>2,141</u>	<u>2,063</u>	<u>2,159</u>	<u>2,741</u>	<u>3,414</u>	<u>3,649</u>	<u>3,156</u>	<u>2,376</u>	<u>2,102</u>	<u>2,185</u>	<u>30,523</u>
Commercial Sales	96,693	96,884	91,351	88,032	92,101	116,965	145,648	155,683	134,648	101,376	89,687	93,231	1,302,299
Transmission Losses	2,804	2,810	2,649	2,553	2,671	3,392	4,224	4,515	3,905	2,940	2,601	2,704	37,768
Industrial:													
Total Industrial	186,652	186,491	207,983	204,677	213,342	212,161	210,917	219,182	212,379	217,911	199,682	185,312	2,456,689
Transmission Losses	5,413	5,408	6,032	5,936	6,187	6,153	6,117	6,356	6,159	6,319	5,791	5,374	71,245
Alumax:													
Alumax	224,035	204,249	223,558	215,895	223,136	215,266	222,888	222,766	215,317	222,930	216,168	224,096	2,630,304
Transmission Losses	6,497	5,923	6,483	6,261	6,471	6,243	6,464	6,460	6,244	6,465	6,269	6,499	76,279
Municipals:													
Municipals	17,530	16,547	14,848	13,883	14,761	19,284	23,975	24,655	20,672	15,596	14,619	16,492	212,862
Transmission Losses	508	480	431	403	428	559	695	715	599	452	424	478	6,172
Central Electric:													
Total Central Electric	733,048	625,194	524,175	470,609	522,992	662,780	777,584	744,379	609,563	486,841	524,361	677,768	7,359,294
Transmission Losses	21,258	18,131	15,201	13,648	15,167	19,221	22,550	21,587	17,677	14,118	15,206	19,655	213,419
Total Energy Sales	1,392,022	1,264,510	1,153,860	1,057,844	1,127,192	1,318,638	1,513,420	1,513,667	1,310,782	1,119,088	1,110,755	1,294,847	15,176,625
Total Distribution Losses	5,538	5,569	4,399	3,666	3,671	5,019	6,674	7,265	6,069	4,219	3,742	4,588	60,419
Total Transmission Losses	<u>40,528</u>	<u>36,833</u>	<u>33,590</u>	<u>30,785</u>	<u>32,795</u>	<u>38,387</u>	<u>44,083</u>	<u>44,107</u>	<u>38,188</u>	<u>32,575</u>	<u>32,320</u>	<u>37,684</u>	<u>441,875</u>
Total Output to Lines	1,438,088	1,306,912	1,191,849	1,092,295	1,163,658	1,362,044	1,564,177	1,565,039	1,355,039	1,155,882	1,146,817	1,337,119	15,678,919
Woodland Hills													
Other Central Substations	<u>9,484</u>	<u>8,021</u>	<u>7,724</u>	<u>6,819</u>	<u>7,769</u>	<u>9,400</u>	<u>11,648</u>	<u>10,974</u>	<u>8,811</u>	<u>7,548</u>	<u>7,927</u>	<u>10,273</u>	<u>106,398</u>
Territorial Energy	1,428,604	1,298,891	1,184,125	1,085,476	1,155,889	1,352,644	1,552,529	1,554,065	1,346,228	1,148,334	1,138,890	1,326,846	15,572,521
Off-System Sales:													
NCEMPA	<u>8,184</u>	<u>7,392</u>	<u>4,464</u>	<u>4,320</u>	<u>4,464</u>	<u>8,640</u>	<u>8,928</u>	<u>8,928</u>	<u>2,160</u>	<u>2,232</u>	<u>2,160</u>	<u>8,184</u>	<u>70,056</u>
Total Off-System Sales	8,184	7,392	4,464	4,320	4,464	8,640	8,928	8,928	2,160	2,232	2,160	8,184	70,056
Total Requirements	1,436,788	1,306,283	1,188,589	1,089,796	1,160,353	1,361,284	1,561,457	1,562,993	1,348,388	1,150,566	1,141,050	1,335,030	15,642,577

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	142,208	143,309	97,934	69,378	65,385	98,680	141,353	156,798	126,202	79,706	70,875	104,063	1,295,891
Distribution Losses	<u>3,413</u>	<u>3,439</u>	<u>2,350</u>	<u>1,665</u>	<u>1,569</u>	<u>2,368</u>	<u>3,392</u>	<u>3,763</u>	<u>3,029</u>	<u>1,913</u>	<u>1,701</u>	<u>2,498</u>	<u>31,100</u>
Residential Sales	145,621	146,748	100,284	71,043	66,954	101,048	144,745	160,561	129,231	81,619	72,576	106,561	1,326,991
Transmission Losses	4,223	4,256	2,908	2,060	1,942	2,930	4,198	4,656	3,748	2,367	2,105	3,090	38,483
Commercial:													
Total Commercial	96,794	96,964	91,373	88,012	92,051	116,879	145,516	155,519	134,488	101,245	89,572	93,130	1,301,543
Distribution Losses	<u>2,323</u>	<u>2,327</u>	<u>2,193</u>	<u>2,112</u>	<u>2,209</u>	<u>2,805</u>	<u>3,492</u>	<u>3,732</u>	<u>3,228</u>	<u>2,430</u>	<u>2,150</u>	<u>2,235</u>	<u>31,236</u>
Commercial Sales	99,117	99,291	93,566	90,124	94,260	119,684	149,008	159,251	137,716	103,675	91,722	95,365	1,332,779
Transmission Losses	2,874	2,879	2,713	2,614	2,734	3,471	4,321	4,618	3,994	3,007	2,660	2,766	38,651
Industrial:													
Total Industrial	183,902	184,000	205,342	201,830	210,025	208,766	207,007	215,331	208,669	214,820	196,891	182,275	2,418,858
Transmission Losses	5,333	5,336	5,955	5,853	6,091	6,054	6,003	6,245	6,051	6,230	5,710	5,286	70,147
Alumax:													
Alumax	224,035	204,249	223,558	215,895	223,136	215,266	222,888	222,766	215,317	222,930	216,168	224,096	2,630,304
Transmission Losses	6,497	5,923	6,483	6,261	6,471	6,243	6,464	6,460	6,244	6,465	6,269	6,499	76,279
Municipals:													
Municipals	18,112	17,059	15,268	14,249	15,152	19,816	24,643	25,320	21,207	15,989	15,010	16,983	218,808
Transmission Losses	525	495	443	413	439	575	715	734	615	464	435	493	6,346
Central Electric:													
Total Central Electric	755,077	643,329	538,597	483,857	537,077	682,072	800,586	766,273	627,586	500,660	539,617	699,600	7,574,331
Transmission Losses	21,897	18,657	15,619	14,032	15,575	19,780	23,217	22,222	18,200	14,519	15,649	20,288	219,655
Total Energy Sales	1,420,128	1,288,910	1,172,072	1,073,221	1,142,826	1,341,479	1,541,993	1,542,007	1,333,469	1,135,350	1,128,133	1,320,147	15,439,735
Total Distribution Losses	5,736	5,766	4,543	3,777	3,778	5,173	6,884	7,495	6,257	4,343	3,851	4,733	62,336
Total Transmission Losses	41,349	37,546	34,121	31,233	33,252	39,053	44,918	44,935	38,852	33,052	32,828	38,422	449,561
Total Output to Lines	1,467,213	1,332,222	1,210,736	1,108,231	1,179,856	1,385,705	1,593,795	1,594,437	1,378,578	1,172,745	1,164,812	1,363,302	15,951,632
Woodland Hills													
Other Central Substations													
Territorial Energy	1,467,213	1,332,222	1,210,736	1,108,231	1,179,856	1,385,705	1,593,795	1,594,437	1,378,578	1,172,745	1,164,812	1,363,302	15,951,632
Off-System Sales:													
NCEMPA	8,184	7,392	4,464	4,320	4,464	8,640	8,928	8,928	2,160	2,232	2,160	8,184	70,056
Total Off-System Sales	8,184	7,392	4,464	4,320	4,464	8,640	8,928	8,928	2,160	2,232	2,160	8,184	70,056
Total Requirements	1,475,397	1,339,614	1,215,200	1,112,551	1,184,320	1,394,345	1,602,723	1,603,365	1,380,738	1,174,977	1,166,972	1,371,486	16,021,688

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	147,974	149,100	101,721	71,907	67,720	102,392	146,822	162,886	131,007	82,587	73,402	107,986	1,345,504
Distribution Losses	<u>3,551</u>	<u>3,578</u>	<u>2,441</u>	<u>1,726</u>	<u>1,625</u>	<u>2,457</u>	<u>3,524</u>	<u>3,909</u>	<u>3,144</u>	<u>1,982</u>	<u>1,762</u>	<u>2,592</u>	<u>32,291</u>
Residential Sales	151,525	152,678	104,162	73,633	69,345	104,849	150,346	166,795	134,151	84,569	75,164	110,578	1,377,795
Transmission Losses	4,394	4,428	3,021	2,135	2,011	3,041	4,360	4,837	3,890	2,453	2,180	3,207	39,957
Commercial:													
Total Commercial	99,031	99,192	93,427	89,956	94,063	119,415	148,657	158,861	137,367	103,407	91,490	95,145	1,330,011
Distribution Losses	<u>2,377</u>	<u>2,381</u>	<u>2,242</u>	<u>2,159</u>	<u>2,258</u>	<u>2,866</u>	<u>3,568</u>	<u>3,813</u>	<u>3,297</u>	<u>2,482</u>	<u>2,196</u>	<u>2,283</u>	<u>31,922</u>
Commercial Sales	101,408	101,573	95,669	92,115	96,321	122,281	152,225	162,674	140,664	105,889	93,686	97,428	1,361,933
Transmission Losses	2,941	2,946	2,774	2,671	2,793	3,546	4,415	4,718	4,079	3,071	2,717	2,825	39,496
Industrial:													
Total Industrial	184,940	185,002	206,447	202,930	211,200	209,933	208,169	216,559	209,846	216,029	197,995	183,277	2,432,327
Transmission Losses	5,363	5,365	5,987	5,885	6,125	6,088	6,037	6,280	6,086	6,265	5,742	5,315	70,538
Alumax:													
Alumax	224,035	204,249	223,558	215,895	223,136	215,266	222,888	222,766	215,317	222,930	216,168	224,096	2,630,304
Transmission Losses	6,497	5,923	6,483	6,261	6,471	6,243	6,464	6,460	6,244	6,465	6,269	6,499	76,279
Municipals:													
Municipals	18,676	17,555	15,675	14,604	15,531	20,334	25,293	25,969	21,728	16,372	15,392	17,466	224,595
Transmission Losses	542	509	455	424	450	590	733	753	630	475	446	507	6,514
Central Electric:													
Total Central Electric	777,957	661,762	552,332	495,219	550,709	702,457	826,439	790,420	645,543	513,553	554,784	722,147	7,793,322
Transmission Losses	22,561	19,191	16,018	14,361	15,971	20,371	23,967	22,922	18,721	14,893	16,089	20,942	226,007
Total Energy Sales	1,452,613	1,316,860	1,193,160	1,090,511	1,162,359	1,369,797	1,578,268	1,577,461	1,360,808	1,154,878	1,149,231	1,350,117	15,756,063
Total Distribution Losses	5,928	5,959	4,683	3,885	3,883	5,323	7,092	7,722	6,441	4,464	3,958	4,875	64,213
Total Transmission Losses	<u>42,298</u>	<u>38,362</u>	<u>34,738</u>	<u>31,737</u>	<u>33,821</u>	<u>39,879</u>	<u>45,976</u>	<u>45,970</u>	<u>39,650</u>	<u>33,622</u>	<u>33,443</u>	<u>39,295</u>	<u>458,791</u>
Total Output to Lines	1,500,839	1,361,181	1,232,581	1,126,133	1,200,063	1,414,999	1,631,336	1,631,153	1,406,899	1,192,964	1,186,632	1,394,287	16,279,067
Woodland Hills													
Other Central Substations													
Territorial Energy													
Off-System Sales:													
NCEMPA	<u>4,092</u>	<u>3,696</u>	<u>2,232</u>	<u>2,160</u>	<u>2,232</u>	<u>4,320</u>	<u>4,464</u>	<u>4,464</u>	<u>1,080</u>	<u>1,116</u>	<u>1,080</u>	<u>4,092</u>	<u>35,028</u>
Total Off-System Sales	4,092	3,696	2,232	2,160	2,232	4,320	4,464	4,464	1,080	1,116	1,080	4,092	35,028
Total Requirements	1,504,931	1,364,877	1,234,813	1,128,293	1,202,295	1,419,319	1,635,800	1,635,617	1,407,979	1,194,080	1,187,712	1,398,379	16,314,095

SANTEE COOPER ENERGY FORECAST
Calendar Year 1999 – (MWH)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	153,731	154,885	105,507	74,438	70,057	106,103	152,289	168,972	135,814	85,474	75,938	111,921	1,395,129
Distribution Losses	<u>3,690</u>	<u>3,717</u>	<u>2,532</u>	<u>1,787</u>	<u>1,681</u>	<u>2,546</u>	<u>3,655</u>	<u>4,055</u>	<u>3,260</u>	<u>2,051</u>	<u>1,823</u>	<u>2,686</u>	<u>33,483</u>
Residential Sales	157,421	158,602	108,039	76,225	71,738	108,649	155,944	173,027	139,074	87,525	77,761	114,607	1,428,612
Transmission Losses	4,565	4,599	3,133	2,211	2,080	3,151	4,522	5,018	4,033	2,538	2,255	3,324	41,429
Commercial:													
Total Commercial	101,198	101,354	95,422	91,846	96,020	121,885	151,718	162,120	140,177	105,518	93,364	97,117	1,357,739
Distribution Losses	<u>2,429</u>	<u>2,432</u>	<u>2,290</u>	<u>2,204</u>	<u>2,304</u>	<u>2,925</u>	<u>3,641</u>	<u>3,891</u>	<u>3,364</u>	<u>2,532</u>	<u>2,241</u>	<u>2,331</u>	<u>32,584</u>
Commercial Sales	103,627	103,786	97,712	94,050	98,324	124,810	155,359	166,011	143,541	108,050	95,605	99,448	1,390,323
Transmission Losses	3,005	3,010	2,834	2,727	2,851	3,619	4,505	4,814	4,163	3,133	2,773	2,884	40,318
Industrial:													
Total Industrial	185,980	186,005	207,554	204,031	212,378	211,102	209,334	217,790	211,026	217,242	199,101	184,282	2,445,825
Transmission Losses	5,393	5,394	6,019	5,917	6,159	6,122	6,071	6,316	6,120	6,300	5,774	5,344	70,929
Alumax:													
Alumax	224,035	204,249	223,558	215,895	223,136	215,266	222,888	222,766	215,317	222,930	216,168	224,096	2,630,304
Transmission Losses	6,497	5,923	6,483	6,261	6,471	6,243	6,464	6,460	6,244	6,465	6,269	6,499	76,279
Municipals:													
Municipals	19,233	18,045	16,076	14,953	15,905	20,844	25,935	26,608	22,241	16,750	15,771	17,946	230,307
Transmission Losses	558	523	466	434	461	604	752	772	645	486	457	520	6,678
Central Electric:													
Total Central Electric	805,098	683,125	567,904	507,804	565,415	723,898	853,025	815,255	664,030	526,849	570,428	745,397	8,028,228
Transmission Losses	23,348	19,811	16,469	14,726	16,397	20,993	24,738	23,642	19,257	15,279	16,542	21,617	232,819
Total Energy Sales	1,489,275	1,347,663	1,216,021	1,108,967	1,182,911	1,399,098	1,615,189	1,613,511	1,388,605	1,174,763	1,170,770	1,380,759	16,087,532
Total Distribution Losses	6,119	6,149	4,822	3,991	3,985	5,471	7,296	7,946	6,624	4,583	4,064	5,017	66,067
Total Transmission Losses	<u>43,366</u>	<u>39,260</u>	<u>35,404</u>	<u>32,276</u>	<u>34,419</u>	<u>40,732</u>	<u>47,052</u>	<u>47,022</u>	<u>40,462</u>	<u>34,201</u>	<u>34,070</u>	<u>40,188</u>	<u>468,452</u>
Total Output to Lines	1,538,760	1,393,072	1,256,247	1,145,234	1,221,315	1,445,301	1,669,537	1,668,479	1,435,691	1,213,547	1,208,904	1,425,964	16,622,051
Woodland Hills													
Other Central Substations													
Territorial Energy	1,538,760	1,393,072	1,256,247	1,145,234	1,221,315	1,445,301	1,669,537	1,668,479	1,435,691	1,213,547	1,208,904	1,425,964	16,622,051
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,538,760	1,393,072	1,256,247	1,145,234	1,221,315	1,445,301	1,669,537	1,668,479	1,435,691	1,213,547	1,208,904	1,425,964	16,622,051

SANTEE COOPER ENERGY FORECAST
Calendar Year 2000 – (MWH)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	159,504	160,687	109,306	76,980	72,404	109,825	157,769	175,073	140,637	88,375	78,488	115,876	1,444,924
Distribution Losses	<u>3,828</u>	<u>3,856</u>	<u>2,623</u>	<u>1,848</u>	<u>1,738</u>	<u>2,636</u>	<u>3,786</u>	<u>4,202</u>	<u>3,375</u>	<u>2,121</u>	<u>1,884</u>	<u>2,781</u>	<u>34,678</u>
Residential Sales	163,332	164,543	111,929	78,828	74,142	112,461	161,555	179,275	144,012	90,496	80,372	118,657	1,479,602
Transmission Losses	4,737	4,772	3,246	2,286	2,150	3,261	4,685	5,199	4,176	2,624	2,331	3,441	42,908
Commercial:													
Total Commercial	103,323	103,474	97,378	93,697	97,937	124,305	154,718	165,314	142,930	107,586	95,201	99,052	1,384,915
Distribution Losses	<u>2,480</u>	<u>2,483</u>	<u>2,337</u>	<u>2,249</u>	<u>2,350</u>	<u>2,983</u>	<u>3,713</u>	<u>3,968</u>	<u>3,430</u>	<u>2,582</u>	<u>2,285</u>	<u>2,377</u>	<u>33,237</u>
Commercial Sales	105,803	105,957	99,715	95,946	100,287	127,288	158,431	169,282	146,360	110,168	97,486	101,429	1,418,152
Transmission Losses	3,068	3,073	2,892	2,782	2,908	3,691	4,594	4,909	4,244	3,195	2,827	2,941	41,124
Industrial:													
Total Industrial	187,022	187,011	208,663	205,135	213,559	212,275	210,501	219,024	212,209	218,456	200,210	185,289	2,459,354
Transmission Losses	5,424	5,423	6,051	5,949	6,193	6,156	6,105	6,352	6,154	6,335	5,806	5,373	71,321
Alumax:													
Alumax	224,035	204,249	223,558	0	0	0	0	0	0	0	0	0	651,842
Transmission Losses	6,497	5,923	6,483	0	0	0	0	0	0	0	0	0	18,903
Municipals:													
Municipals	19,786	18,530	16,473	15,299	16,275	21,349	26,570	27,240	22,749	17,124	16,146	18,422	235,963
Transmission Losses	574	537	478	444	472	619	771	790	660	497	468	534	6,844
Central Electric:													
Total Central Electric	828,833	701,038	579,888	516,520	576,051	741,594	875,680	836,008	678,031	535,591	581,648	764,342	8,215,224
Transmission Losses	24,036	20,330	16,817	14,979	16,705	21,506	25,395	24,244	19,663	15,532	16,868	22,166	238,241
Total Energy Sales	1,522,503	1,374,989	1,235,266	907,631	976,226	1,209,348	1,425,238	1,422,659	1,196,556	967,132	971,693	1,182,981	14,392,222
Total Distribution Losses	6,308	6,339	4,960	4,097	4,088	5,619	7,499	8,170	6,805	4,703	4,169	5,158	67,915
Total Transmission Losses	<u>44,336</u>	<u>40,058</u>	<u>35,967</u>	<u>26,440</u>	<u>28,428</u>	<u>35,233</u>	<u>41,550</u>	<u>41,494</u>	<u>34,897</u>	<u>28,183</u>	<u>28,300</u>	<u>34,455</u>	<u>419,341</u>
Total Output to Lines Woodland Hills Other Central Substations	1,573,147	1,421,386	1,276,193	938,168	1,008,742	1,250,200	1,474,287	1,472,323	1,238,258	1,000,018	1,004,162	1,222,594	14,879,478
Territorial Energy Off-System Sales: NCEMPA	1,573,147	1,421,386	1,276,193	938,168	1,008,742	1,250,200	1,474,287	1,472,323	1,238,258	1,000,018	1,004,162	1,222,594	14,879,478
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,573,147	1,421,386	1,276,193	938,168	1,008,742	1,250,200	1,474,287	1,472,323	1,238,258	1,000,018	1,004,162	1,222,594	14,879,478

SANTO E COOPER ENERGY FORECAST
Calendar Year 2001 – (MWH)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	165,306	166,519	113,128	79,540	74,768	113,568	163,276	181,204	145,484	91,295	81,058	119,859	1,495,005
Distribution Losses	<u>3,967</u>	<u>3,996</u>	<u>2,715</u>	<u>1,909</u>	<u>1,794</u>	<u>2,726</u>	<u>3,919</u>	<u>4,349</u>	<u>3,492</u>	<u>2,191</u>	<u>1,945</u>	<u>2,877</u>	<u>35,880</u>
Residential Sales	169,273	170,515	115,843	81,449	76,562	116,294	167,195	185,553	148,976	93,486	83,003	122,736	1,530,885
Transmission Losses	4,909	4,945	3,359	2,362	2,220	3,373	4,849	5,381	4,320	2,711	2,407	3,559	44,395
Commercial:													
Total Commercial	105,409	105,555	99,294	95,510	99,814	126,672	157,652	168,439	145,625	109,612	97,003	100,952	1,411,537
Distribution Losses	<u>2,530</u>	<u>2,533</u>	<u>2,383</u>	<u>2,292</u>	<u>2,396</u>	<u>3,040</u>	<u>3,784</u>	<u>4,043</u>	<u>3,495</u>	<u>2,631</u>	<u>2,328</u>	<u>2,423</u>	<u>33,878</u>
Commercial Sales	107,939	108,088	101,677	97,802	102,210	129,712	161,436	172,482	149,120	112,243	99,331	103,375	1,445,415
Transmission Losses	3,130	3,135	2,949	2,836	2,964	3,762	4,682	5,002	4,324	3,255	2,881	2,998	41,918
Industrial:													
Total Industrial	188,066	188,018	209,774	206,241	214,742	213,449	211,671	220,260	213,394	219,674	201,321	186,298	2,472,908
Transmission Losses	5,454	5,453	6,083	5,981	6,228	6,190	6,138	6,388	6,188	6,371	5,838	5,403	71,715
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	20,337	19,013	16,867	15,642	16,642	21,851	27,201	27,868	23,253	17,496	16,519	18,897	241,586
Transmission Losses	590	551	489	454	483	634	789	808	674	507	479	548	7,006
Central Electric:													
Total Central Electric	853,296	719,499	592,239	525,493	587,004	759,804	898,995	857,357	692,449	544,577	593,194	783,871	8,407,778
Transmission Losses	24,746	20,865	17,175	15,239	17,023	22,034	26,071	24,863	20,081	15,793	17,203	22,732	243,825
Total Energy Sales	1,332,414	1,198,604	1,031,302	922,426	992,970	1,235,344	1,458,795	1,455,128	1,220,205	982,654	989,095	1,209,877	14,028,814
Total Distribution Losses	6,497	6,529	5,098	4,201	4,190	5,766	7,703	8,392	6,987	4,822	4,273	5,300	69,758
Total Transmission Losses	<u>38,829</u>	<u>34,949</u>	<u>30,055</u>	<u>26,872</u>	<u>28,918</u>	<u>35,993</u>	<u>42,529</u>	<u>42,442</u>	<u>35,587</u>	<u>28,637</u>	<u>28,808</u>	<u>35,240</u>	<u>408,859</u>
Total Output to Lines Woodland Hills Other Central Substations	1,377,740	1,240,082	1,066,455	953,499	1,026,078	1,277,103	1,509,027	1,505,962	1,262,779	1,016,113	1,022,176	1,250,417	14,507,431
Territorial Energy Off-System Sales: NCEMPA	1,377,740	1,240,082	1,066,455	953,499	1,026,078	1,277,103	1,509,027	1,505,962	1,262,779	1,016,113	1,022,176	1,250,417	14,507,431
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,377,740	1,240,082	1,066,455	953,499	1,026,078	1,277,103	1,509,027	1,505,962	1,262,779	1,016,113	1,022,176	1,250,417	14,507,431

SANTEE COOPER ENERGY FORECAST
Calendar Year 2002 – (MWH)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	171,146	172,389	116,978	82,120	77,150	117,336	168,813	187,368	150,361	94,236	83,649	123,872	1,545,418
Distribution Losses	<u>4,108</u>	<u>4,137</u>	<u>2,807</u>	<u>1,971</u>	<u>1,852</u>	<u>2,816</u>	<u>4,052</u>	<u>4,497</u>	<u>3,609</u>	<u>2,262</u>	<u>2,008</u>	<u>2,973</u>	<u>37,092</u>
Residential Sales	175,254	176,526	119,785	84,091	79,002	120,152	172,865	191,865	153,970	96,498	85,657	126,845	1,582,510
Transmission Losses	5,082	5,119	3,474	2,439	2,291	3,484	5,013	5,564	4,465	2,798	2,484	3,679	45,892
Commercial:													
Total Commercial	107,460	107,603	101,178	97,292	101,658	128,999	160,537	171,512	148,276	111,605	98,775	102,823	1,437,718
Distribution Losses	<u>2,579</u>	<u>2,582</u>	<u>2,428</u>	<u>2,335</u>	<u>2,440</u>	<u>3,096</u>	<u>3,853</u>	<u>4,116</u>	<u>3,559</u>	<u>2,679</u>	<u>2,371</u>	<u>2,468</u>	<u>34,506</u>
Commercial Sales	110,039	110,185	103,606	99,627	104,098	132,095	164,390	175,628	151,835	114,284	101,146	105,291	1,472,224
Transmission Losses	3,191	3,195	3,005	2,889	3,019	3,831	4,767	5,093	4,403	3,314	2,933	3,053	42,693
Industrial:													
Total Industrial	189,112	189,028	210,888	207,349	215,928	214,627	212,843	221,498	214,581	220,894	202,435	187,308	2,486,491
Transmission Losses	5,484	5,482	6,116	6,013	6,262	6,224	6,172	6,423	6,223	6,406	5,871	5,432	72,108
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	20,886	19,494	17,259	15,982	17,008	22,350	27,829	28,492	23,754	17,865	16,891	19,371	247,181
Transmission Losses	606	565	501	463	493	648	807	826	689	518	490	562	7,168
Central Electric:													
Total Central Electric	882,690	742,558	608,926	538,876	602,653	782,758	927,503	883,943	712,164	558,674	609,898	808,924	8,659,567
Transmission Losses	25,598	21,534	17,659	15,627	17,477	22,700	26,898	25,634	20,653	16,202	17,687	23,459	251,128
Total Energy Sales	1,371,294	1,231,072	1,055,229	941,619	1,014,397	1,266,070	1,497,525	1,492,813	1,249,136	1,003,274	1,011,648	1,242,298	14,376,375
Total Distribution Losses	6,687	6,719	5,235	4,306	4,292	5,912	7,905	8,613	7,168	4,941	4,379	5,441	71,598
Total Transmission Losses	<u>39,961</u>	<u>35,895</u>	<u>30,755</u>	<u>27,431</u>	<u>29,542</u>	<u>36,887</u>	<u>43,657</u>	<u>43,540</u>	<u>36,433</u>	<u>29,238</u>	<u>29,465</u>	<u>36,185</u>	<u>418,989</u>
Total Output to Lines Woodland Hills Other Central Substations	1,417,942	1,273,686	1,091,219	973,356	1,048,231	1,308,869	1,549,087	1,544,966	1,292,737	1,037,453	1,045,492	1,283,924	14,866,962
Territorial Energy Off-System Sales: NCEMPA	1,417,942	1,273,686	1,091,219	973,356	1,048,231	1,308,869	1,549,087	1,544,966	1,292,737	1,037,453	1,045,492	1,283,924	14,866,962
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,417,942	1,273,686	1,091,219	973,356	1,048,231	1,308,869	1,549,087	1,544,966	1,292,737	1,037,453	1,045,492	1,283,924	14,866,962

SANTÉE COOPER ENERGY FORECAST
Calendar Year 2003 – (MWH)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	177,027	178,301	120,857	84,722	79,553	121,129	174,386	193,570	155,270	97,201	86,263	127,917	1,596,196
Distribution Losses	<u>4,249</u>	<u>4,279</u>	<u>2,901</u>	<u>2,033</u>	<u>1,909</u>	<u>2,907</u>	<u>4,185</u>	<u>4,646</u>	<u>3,726</u>	<u>2,333</u>	<u>2,070</u>	<u>3,070</u>	<u>38,308</u>
Residential Sales	181,276	182,580	123,758	86,755	81,462	124,036	178,571	198,216	158,996	99,534	88,333	130,987	1,634,504
Transmission Losses	5,257	5,295	3,589	2,516	2,362	3,597	5,179	5,748	4,611	2,886	2,562	3,799	47,401
Commercial:													
Total Commercial	109,483	109,621	103,034	99,045	103,472	131,288	163,375	174,534	150,882	113,564	100,518	104,665	1,463,481
Distribution Losses	<u>2,628</u>	<u>2,631</u>	<u>2,473</u>	<u>2,377</u>	<u>2,483</u>	<u>3,151</u>	<u>3,921</u>	<u>4,189</u>	<u>3,621</u>	<u>2,726</u>	<u>2,412</u>	<u>2,512</u>	<u>35,124</u>
Commercial Sales	112,111	112,252	105,507	101,422	105,955	134,439	167,296	178,723	154,503	116,290	102,930	107,177	1,498,605
Transmission Losses	3,251	3,255	3,060	2,941	3,073	3,899	4,852	5,183	4,481	3,372	2,985	3,108	43,460
Industrial:													
Total Industrial	190,160	190,040	212,004	208,460	217,116	215,807	214,018	222,740	215,771	222,117	203,550	188,322	2,500,105
Transmission Losses	5,515	5,511	6,148	6,045	6,296	6,258	6,207	6,459	6,257	6,441	5,903	5,461	72,501
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	21,434	19,974	17,650	16,322	17,371	22,847	28,454	29,113	24,252	18,232	17,262	19,845	252,756
Transmission Losses	622	579	512	473	504	663	825	844	703	529	501	576	7,331
Central Electric:													
Total Central Electric	912,996	766,311	626,106	552,640	618,738	806,339	956,784	911,265	732,446	573,194	627,128	834,809	8,918,756
Transmission Losses	26,477	22,223	18,157	16,027	17,943	23,384	27,747	26,427	21,241	16,623	18,187	24,209	258,645
Total Energy Sales	1,411,100	1,264,247	1,079,651	961,189	1,036,250	1,297,410	1,537,017	1,531,222	1,278,621	1,024,308	1,034,721	1,275,558	14,731,294
Total Distribution Losses	6,877	6,910	5,374	4,410	4,392	6,058	8,106	8,835	7,347	5,059	4,482	5,582	73,432
Total Transmission Losses	<u>41,122</u>	<u>36,863</u>	<u>31,466</u>	<u>28,002</u>	<u>30,178</u>	<u>37,801</u>	<u>44,810</u>	<u>44,661</u>	<u>37,293</u>	<u>29,851</u>	<u>30,138</u>	<u>37,153</u>	<u>429,338</u>
Total Output to Lines	1,459,099	1,308,020	1,116,491	993,601	1,070,820	1,341,269	1,589,933	1,584,718	1,323,261	1,059,218	1,069,341	1,318,293	15,234,064
Woodland Hills													
Other Central Substations													
Territorial Energy	1,459,099	1,308,020	1,116,491	993,601	1,070,820	1,341,269	1,589,933	1,584,718	1,323,261	1,059,218	1,069,341	1,318,293	15,234,064
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,459,099	1,308,020	1,116,491	993,601	1,070,820	1,341,269	1,589,933	1,584,718	1,323,261	1,059,218	1,069,341	1,318,293	15,234,064

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	182,952	184,258	124,768	87,347	81,978	124,951	179,995	199,813	160,214	100,191	88,901	131,996	1,647,364
Distribution Losses	<u>4,391</u>	<u>4,422</u>	<u>2,994</u>	<u>2,096</u>	<u>1,967</u>	<u>2,999</u>	<u>4,320</u>	<u>4,796</u>	<u>3,845</u>	<u>2,405</u>	<u>2,134</u>	<u>3,168</u>	<u>39,537</u>
Residential Sales	187,343	188,680	127,762	89,443	83,945	127,950	184,315	204,609	164,059	102,596	91,035	135,164	1,686,901
Transmission Losses	5,433	5,472	3,705	2,594	2,434	3,711	5,345	5,934	4,758	2,975	2,640	3,920	48,921
Commercial:													
Total Commercial	111,475	111,609	104,860	100,768	105,254	133,536	166,161	177,503	153,444	115,492	102,235	106,481	1,488,818
Distribution Losses	<u>2,675</u>	<u>2,679</u>	<u>2,517</u>	<u>2,418</u>	<u>2,526</u>	<u>3,205</u>	<u>3,988</u>	<u>4,260</u>	<u>3,683</u>	<u>2,772</u>	<u>2,454</u>	<u>2,556</u>	<u>35,733</u>
Commercial Sales	114,150	114,288	107,377	103,186	107,780	136,741	170,149	181,763	157,127	118,264	104,689	109,037	1,524,551
Transmission Losses	3,310	3,314	3,114	2,992	3,126	3,965	4,934	5,271	4,557	3,430	3,036	3,162	44,211
Industrial:													
Total Industrial	191,211	191,054	213,122	209,573	218,307	216,990	215,196	223,984	216,964	223,342	204,669	189,337	2,513,749
Transmission Losses	5,545	5,541	6,181	6,078	6,331	6,293	6,241	6,496	6,292	6,477	5,935	5,491	72,901
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	21,982	20,454	18,040	16,660	17,734	23,344	29,078	29,732	24,748	18,599	17,632	20,319	258,322
Transmission Losses	637	593	523	483	514	677	843	862	718	539	511	589	7,489
Central Electric:													
Total Central Electric	959,575	806,147	660,164	582,664	652,441	847,380	1,005,043	958,230	771,597	602,109	658,872	880,336	9,384,558
Transmission Losses	27,828	23,378	19,145	16,897	18,921	24,574	29,146	27,789	22,376	17,461	19,107	25,530	272,152
Total Energy Sales	1,467,195	1,313,522	1,120,954	997,012	1,075,714	1,346,201	1,595,473	1,589,262	1,326,967	1,059,733	1,072,309	1,328,469	15,292,811
Total Distribution Losses	7,066	7,101	5,511	4,514	4,493	6,204	8,308	9,056	7,528	5,177	4,588	5,724	75,270
Total Transmission Losses	<u>42,753</u>	<u>38,298</u>	<u>32,668</u>	<u>29,044</u>	<u>31,326</u>	<u>39,220</u>	<u>46,509</u>	<u>46,352</u>	<u>38,701</u>	<u>30,882</u>	<u>31,229</u>	<u>38,692</u>	<u>445,674</u>
Total Output to Lines	1,517,014	1,358,921	1,159,133	1,030,570	1,111,533	1,391,625	1,650,290	1,644,670	1,373,196	1,095,792	1,108,126	1,372,885	15,813,755
Woodland Hills													
Other Central Substations													
Territorial Energy	1,517,014	1,358,921	1,159,133	1,030,570	1,111,533	1,391,625	1,650,290	1,644,670	1,373,196	1,095,792	1,108,126	1,372,885	15,813,755
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,517,014	1,358,921	1,159,133	1,030,570	1,111,533	1,391,625	1,650,290	1,644,670	1,373,196	1,095,792	1,108,126	1,372,885	15,813,755

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	188,925	190,264	128,713	89,998	84,425	128,805	185,648	206,102	165,196	103,208	91,564	136,112	1,698,960
Distribution Losses	<u>4,534</u>	<u>4,566</u>	<u>3,089</u>	<u>2,160</u>	<u>2,026</u>	<u>3,091</u>	<u>4,456</u>	<u>4,946</u>	<u>3,965</u>	<u>2,477</u>	<u>2,198</u>	<u>3,267</u>	<u>40,775</u>
Residential Sales	193,459	194,830	131,802	92,158	86,451	131,896	190,104	211,048	169,161	105,685	93,762	139,379	1,739,735
Transmission Losses	5,610	5,650	3,822	2,673	2,507	3,825	5,513	6,120	4,906	3,065	2,719	4,042	50,452
Commercial:													
Total Commercial	113,443	113,574	106,663	102,469	107,013	135,755	168,913	180,434	155,972	117,393	103,929	108,275	1,513,833
Distribution Losses	<u>2,723</u>	<u>2,726</u>	<u>2,560</u>	<u>2,459</u>	<u>2,568</u>	<u>3,258</u>	<u>4,054</u>	<u>4,330</u>	<u>3,743</u>	<u>2,817</u>	<u>2,494</u>	<u>2,599</u>	<u>36,331</u>
Commercial Sales	116,166	116,300	109,223	104,928	109,581	139,013	172,967	184,764	159,715	120,210	106,423	110,874	1,550,164
Transmission Losses	3,369	3,373	3,167	3,043	3,178	4,031	5,016	5,358	4,632	3,486	3,086	3,215	44,954
Industrial:													
Total Industrial	192,263	192,070	214,243	210,689	219,501	218,175	216,377	225,232	218,159	224,571	205,789	190,354	2,527,423
Transmission Losses	5,576	5,570	6,213	6,110	6,366	6,327	6,275	6,532	6,327	6,513	5,968	5,520	73,297
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	22,532	20,934	18,431	16,998	18,097	23,840	29,702	30,350	25,244	18,964	18,002	20,793	263,887
Transmission Losses	653	607	534	493	525	691	861	880	732	550	522	603	7,651
Central Electric:													
Total Central Electric	992,108	831,650	678,610	597,440	669,685	872,622	1,036,371	987,455	793,306	617,676	677,351	908,100	9,662,374
Transmission Losses	28,771	24,118	19,680	17,326	19,421	25,306	30,055	28,636	23,006	17,913	19,643	26,335	280,210
Total Energy Sales	1,509,271	1,348,492	1,146,660	1,017,594	1,098,721	1,379,197	1,637,011	1,629,573	1,357,877	1,081,812	1,096,635	1,363,634	15,666,477
Total Distribution Losses	7,257	7,292	5,649	4,619	4,594	6,349	8,510	9,276	7,708	5,294	4,692	5,866	77,106
Total Transmission Losses	<u>43,979</u>	<u>39,318</u>	<u>33,416</u>	<u>29,645</u>	<u>31,997</u>	<u>40,180</u>	<u>47,720</u>	<u>47,526</u>	<u>39,603</u>	<u>31,527</u>	<u>31,938</u>	<u>39,715</u>	<u>456,564</u>
Total Output to Lines	1,560,507	1,395,102	1,185,725	1,051,858	1,135,312	1,425,726	1,693,241	1,686,375	1,405,188	1,118,633	1,133,265	1,409,215	16,200,147
Woodland Hills													
Other Central Substations													
Territorial Energy	1,560,507	1,395,102	1,185,725	1,051,858	1,135,312	1,425,726	1,693,241	1,686,375	1,405,188	1,118,633	1,133,265	1,409,215	16,200,147
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,560,507	1,395,102	1,185,725	1,051,858	1,135,312	1,425,726	1,693,241	1,686,375	1,405,188	1,118,633	1,133,265	1,409,215	16,200,147

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	194,949	196,319	132,693	92,674	86,896	132,690	191,342	212,437	170,217	106,252	94,253	140,263	1,750,985
Distribution Losses	<u>4,679</u>	<u>4,712</u>	<u>3,185</u>	<u>2,224</u>	<u>2,086</u>	<u>3,185</u>	<u>4,592</u>	<u>5,098</u>	<u>4,085</u>	<u>2,550</u>	<u>2,262</u>	<u>3,366</u>	<u>42,024</u>
Residential Sales	199,628	201,031	135,878	94,898	88,982	135,875	195,934	217,535	174,302	108,802	96,515	143,629	1,793,009
Transmission Losses	5,789	5,830	3,940	2,752	2,580	3,940	5,682	6,309	5,055	3,155	2,799	4,165	51,996
Commercial:													
Total Commercial	115,387	115,514	108,441	104,144	108,744	137,938	171,619	183,316	158,459	119,264	105,596	110,041	1,538,463
Distribution Losses	<u>2,769</u>	<u>2,772</u>	<u>2,603</u>	<u>2,499</u>	<u>2,610</u>	<u>3,311</u>	<u>4,119</u>	<u>4,400</u>	<u>3,803</u>	<u>2,862</u>	<u>2,534</u>	<u>2,641</u>	<u>36,923</u>
Commercial Sales	118,156	118,286	111,044	106,643	111,354	141,249	175,738	187,716	162,262	122,126	108,130	112,682	1,575,386
Transmission Losses	3,427	3,430	3,220	3,093	3,229	4,096	5,096	5,444	4,706	3,542	3,136	3,268	45,687
Industrial:													
Total Industrial	193,318	193,089	215,367	211,807	220,698	219,364	217,560	226,482	219,357	225,802	206,912	191,374	2,541,130
Transmission Losses	5,606	5,600	6,246	6,142	6,400	6,362	6,309	6,568	6,361	6,548	6,000	5,550	73,692
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	23,082	21,415	18,820	17,335	18,458	24,335	30,324	30,966	25,736	19,328	18,371	21,268	269,438
Transmission Losses	669	621	546	503	535	706	879	898	746	561	533	617	7,814
Central Electric:													
Total Central Electric	1,025,752	858,017	697,671	612,699	687,482	898,652	1,068,665	1,017,581	815,694	633,742	696,435	936,784	9,949,174
Transmission Losses	29,747	24,882	20,232	17,768	19,937	26,061	30,991	29,510	23,655	18,379	20,197	27,167	288,526
Total Energy Sales	1,552,488	1,384,354	1,172,992	1,038,659	1,122,278	1,412,979	1,679,510	1,670,782	1,389,463	1,104,388	1,121,567	1,399,730	16,049,190
Total Distribution Losses	7,448	7,484	5,788	4,723	4,696	6,496	8,711	9,498	7,888	5,412	4,796	6,007	78,947
Total Transmission Losses	<u>45,238</u>	<u>40,363</u>	<u>34,184</u>	<u>30,258</u>	<u>32,681</u>	<u>41,165</u>	<u>48,957</u>	<u>48,729</u>	<u>40,523</u>	<u>32,185</u>	<u>32,665</u>	<u>40,767</u>	<u>467,715</u>
Total Output to Lines	1,605,174	1,432,201	1,212,964	1,073,640	1,159,655	1,460,640	1,737,178	1,729,009	1,437,874	1,141,985	1,159,028	1,446,504	16,595,852
Woodland Hills													
Other Central Substations													
Territorial Energy	1,605,174	1,432,201	1,212,964	1,073,640	1,159,655	1,460,640	1,737,178	1,729,009	1,437,874	1,141,985	1,159,028	1,446,504	16,595,852
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,605,174	1,432,201	1,212,964	1,073,640	1,159,655	1,460,640	1,737,178	1,729,009	1,437,874	1,141,985	1,159,028	1,446,504	16,595,852

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	201,022	202,425	136,708	95,375	89,391	136,608	197,080	218,821	175,277	109,323	96,968	144,453	1,803,451
Distribution Losses	<u>4,825</u>	<u>4,858</u>	<u>3,281</u>	<u>2,289</u>	<u>2,145</u>	<u>3,279</u>	<u>4,730</u>	<u>5,252</u>	<u>4,207</u>	<u>2,624</u>	<u>2,327</u>	<u>3,467</u>	<u>43,284</u>
Residential Sales	205,847	207,283	139,989	97,664	91,536	139,887	201,810	224,073	179,484	111,947	99,295	147,920	1,846,735
Transmission Losses	5,970	6,011	4,060	2,832	2,655	4,057	5,852	6,498	5,205	3,246	2,880	4,290	53,556
Commercial:													
Total Commercial	117,304	117,427	110,192	105,793	110,448	140,086	174,282	186,153	160,907	121,106	107,239	111,785	1,562,722
Distribution Losses	<u>2,815</u>	<u>2,818</u>	<u>2,645</u>	<u>2,539</u>	<u>2,651</u>	<u>3,362</u>	<u>4,183</u>	<u>4,468</u>	<u>3,862</u>	<u>2,907</u>	<u>2,574</u>	<u>2,683</u>	<u>37,507</u>
Commercial Sales	120,119	120,245	112,837	108,332	113,099	143,448	178,465	190,621	164,769	124,013	109,813	114,468	1,600,229
Transmission Losses	3,483	3,487	3,272	3,142	3,280	4,160	5,175	5,528	4,778	3,596	3,185	3,320	46,406
Industrial:													
Total Industrial	194,375	194,109	216,493	212,928	221,897	220,555	218,746	227,735	220,558	227,035	208,038	192,396	2,554,865
Transmission Losses	5,637	5,629	6,278	6,175	6,435	6,396	6,344	6,604	6,396	6,584	6,033	5,579	74,090
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	23,632	21,894	19,209	17,671	18,818	24,828	30,943	31,579	26,227	19,691	18,740	21,742	274,974
Transmission Losses	685	635	557	512	546	720	897	916	761	571	543	631	7,974
Central Electric:													
Total Central Electric	1,060,516	885,254	717,354	628,449	705,839	925,482	1,101,942	1,048,639	838,792	650,337	716,163	966,462	10,245,229
Transmission Losses	30,755	25,672	20,803	18,225	20,469	26,839	31,956	30,411	24,325	18,860	20,769	28,027	297,111
Total Energy Sales	1,596,849	1,421,109	1,199,956	1,060,216	1,146,393	1,447,559	1,722,993	1,712,927	1,421,761	1,127,492	1,147,148	1,436,838	16,441,241
Total Distribution Losses	7,640	7,676	5,926	4,828	4,796	6,641	8,913	9,720	8,069	5,531	4,901	6,150	80,791
Total Transmission Losses	<u>46,530</u>	<u>41,434</u>	<u>34,970</u>	<u>30,886</u>	<u>33,385</u>	<u>42,172</u>	<u>50,224</u>	<u>49,957</u>	<u>41,465</u>	<u>32,857</u>	<u>33,410</u>	<u>41,847</u>	<u>479,137</u>
Total Output to Lines	1,651,019	1,470,219	1,240,852	1,095,930	1,184,574	1,496,372	1,782,130	1,772,604	1,471,295	1,165,880	1,185,459	1,484,835	17,001,169
Woodland Hills													
Other Central Substations													
Territorial Energy	1,651,019	1,470,219	1,240,852	1,095,930	1,184,574	1,496,372	1,782,130	1,772,604	1,471,295	1,165,880	1,185,459	1,484,835	17,001,169
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,651,019	1,470,219	1,240,852	1,095,930	1,184,574	1,496,372	1,782,130	1,772,604	1,471,295	1,165,880	1,185,459	1,484,835	17,001,169

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	207,148	208,584	140,761	98,104	91,911	140,560	202,866	225,256	180,381	112,424	99,711	148,682	1,856,388
Distribution Losses	<u>4,972</u>	<u>5,006</u>	<u>3,378</u>	<u>2,354</u>	<u>2,206</u>	<u>3,373</u>	<u>4,869</u>	<u>5,406</u>	<u>4,329</u>	<u>2,698</u>	<u>2,393</u>	<u>3,568</u>	<u>44,552</u>
Residential Sales	212,120	213,590	144,139	100,458	94,117	143,933	207,735	230,662	184,710	115,122	102,104	152,250	1,900,940
Transmission Losses	6,151	6,194	4,180	2,913	2,729	4,174	6,024	6,689	5,357	3,339	2,961	4,415	55,126
Commercial:													
Total Commercial	119,199	119,318	111,922	107,421	112,129	142,206	176,910	188,952	163,321	122,922	108,859	113,506	1,586,665
Distribution Losses	<u>2,861</u>	<u>2,864</u>	<u>2,686</u>	<u>2,578</u>	<u>2,691</u>	<u>3,413</u>	<u>4,246</u>	<u>4,535</u>	<u>3,920</u>	<u>2,950</u>	<u>2,613</u>	<u>2,724</u>	<u>38,081</u>
Commercial Sales	122,060	122,182	114,608	109,999	114,820	145,619	181,156	193,487	167,241	125,872	111,472	116,230	1,624,746
Transmission Losses	3,540	3,543	3,324	3,190	3,330	4,223	5,254	5,611	4,850	3,650	3,233	3,371	47,119
Industrial:													
Total Industrial	195,434	195,132	217,621	214,051	223,100	221,749	219,935	228,991	221,762	228,272	209,166	193,420	2,568,633
Transmission Losses	5,668	5,659	6,311	6,207	6,470	6,431	6,378	6,641	6,431	6,620	6,066	5,609	74,491
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	24,183	22,375	19,598	18,007	19,178	25,321	31,562	32,192	26,717	20,053	19,108	22,217	280,511
Transmission Losses	701	649	568	522	556	734	915	934	775	582	554	644	8,134
Central Electric:													
Total Central Electric	1,096,502	913,454	737,732	644,752	724,836	953,242	1,136,374	1,080,767	862,688	667,514	736,591	997,200	10,551,652
Transmission Losses	31,799	26,490	21,394	18,698	21,020	27,644	32,955	31,342	25,018	19,358	21,361	28,919	305,998
Total Energy Sales	1,642,466	1,458,863	1,227,634	1,082,335	1,171,154	1,483,078	1,767,647	1,756,158	1,454,869	1,151,185	1,173,435	1,475,025	16,843,849
Total Distribution Losses	7,833	7,870	6,064	4,932	4,897	6,786	9,115	9,941	8,249	5,648	5,006	6,292	82,633
Total Transmission Losses	<u>47,859</u>	<u>42,535</u>	<u>35,777</u>	<u>31,530</u>	<u>34,105</u>	<u>43,206</u>	<u>51,526</u>	<u>51,217</u>	<u>42,431</u>	<u>33,549</u>	<u>34,175</u>	<u>42,958</u>	<u>490,868</u>
Total Output to Lines	1,698,158	1,509,268	1,269,475	1,118,797	1,210,156	1,533,070	1,828,288	1,817,316	1,505,549	1,190,382	1,212,616	1,524,275	17,417,350
Woodland Hills													
Other Central Substations													
Territorial Energy	1,698,158	1,509,268	1,269,475	1,118,797	1,210,156	1,533,070	1,828,288	1,817,316	1,505,549	1,190,382	1,212,616	1,524,275	17,417,350
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,698,158	1,509,268	1,269,475	1,118,797	1,210,156	1,533,070	1,828,288	1,817,316	1,505,549	1,190,382	1,212,616	1,524,275	17,417,350

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	213,330	214,799	144,852	100,860	94,457	144,548	208,700	231,744	185,528	115,554	102,481	152,950	1,909,803
Distribution Losses	<u>5,120</u>	<u>5,155</u>	<u>3,476</u>	<u>2,421</u>	<u>2,267</u>	<u>3,469</u>	<u>5,009</u>	<u>5,562</u>	<u>4,453</u>	<u>2,773</u>	<u>2,460</u>	<u>3,671</u>	<u>45,836</u>
Residential Sales	218,450	219,954	148,328	103,281	96,724	148,017	213,709	237,306	189,981	118,327	104,941	156,621	1,955,639
Transmission Losses	6,335	6,379	4,302	2,995	2,805	4,292	6,198	6,882	5,509	3,431	3,043	4,542	56,713
Commercial:													
Total Commercial	121,070	121,186	113,628	109,024	113,784	144,291	179,495	191,705	165,697	124,710	110,456	115,203	1,610,249
Distribution Losses	<u>2,906</u>	<u>2,908</u>	<u>2,727</u>	<u>2,617</u>	<u>2,731</u>	<u>3,463</u>	<u>4,308</u>	<u>4,601</u>	<u>3,977</u>	<u>2,993</u>	<u>2,651</u>	<u>2,765</u>	<u>38,647</u>
Commercial Sales	123,976	124,094	116,355	111,641	116,515	147,754	183,803	196,306	169,674	127,703	113,107	117,968	1,648,896
Transmission Losses	3,595	3,599	3,374	3,238	3,379	4,285	5,330	5,693	4,921	3,703	3,280	3,421	47,818
Industrial:													
Total Industrial	196,496	196,157	218,752	215,176	224,305	222,946	221,127	230,250	222,968	229,512	210,297	194,446	2,582,432
Transmission Losses	5,698	5,689	6,344	6,240	6,505	6,465	6,413	6,677	6,466	6,656	6,099	5,639	74,891
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	24,735	22,855	19,986	18,342	19,538	25,813	32,180	32,802	27,205	20,414	19,476	22,692	286,038
Transmission Losses	717	663	580	532	567	749	933	951	789	592	565	658	8,296
Central Electric:													
Total Central Electric	1,133,771	942,644	758,809	661,600	744,455	981,887	1,171,889	1,113,915	887,356	685,259	757,712	1,029,008	10,868,305
Transmission Losses	32,879	27,337	22,005	19,186	21,589	28,475	33,985	32,304	25,733	19,873	21,974	29,841	315,181
Total Energy Sales	1,689,402	1,497,641	1,256,027	1,105,002	1,196,539	1,519,485	1,813,391	1,800,416	1,488,754	1,175,449	1,200,422	1,514,299	17,256,827
Total Distribution Losses	8,026	8,063	6,203	5,038	4,998	6,932	9,317	10,163	8,430	5,766	5,111	6,436	84,483
Total Transmission Losses	<u>49,224</u>	<u>43,667</u>	<u>36,605</u>	<u>32,191</u>	<u>34,845</u>	<u>44,266</u>	<u>52,859</u>	<u>52,507</u>	<u>43,418</u>	<u>34,255</u>	<u>34,961</u>	<u>44,101</u>	<u>502,899</u>
Total Output to Lines	1,746,652	1,549,371	1,298,835	1,142,231	1,236,382	1,570,683	1,875,567	1,863,086	1,540,602	1,215,470	1,240,494	1,564,836	17,844,209
Woodland Hills													
Other Central Substations													
Territorial Energy	1,746,652	1,549,371	1,298,835	1,142,231	1,236,382	1,570,683	1,875,567	1,863,086	1,540,602	1,215,470	1,240,494	1,564,836	17,844,209
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,746,652	1,549,371	1,298,835	1,142,231	1,236,382	1,570,683	1,875,567	1,863,086	1,540,602	1,215,470	1,240,494	1,564,836	17,844,209

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Residential:													
Total Residential	219,567	221,070	148,981	103,644	97,029	148,572	214,583	238,294	190,733	118,727	105,294	157,287	1,963,781
Distribution Losses	<u>5,270</u>	<u>5,306</u>	<u>3,576</u>	<u>2,487</u>	<u>2,329</u>	<u>3,566</u>	<u>5,150</u>	<u>5,719</u>	<u>4,578</u>	<u>2,849</u>	<u>2,527</u>	<u>3,775</u>	<u>47,132</u>
Residential Sales	224,837	226,376	152,557	106,131	99,358	152,138	219,733	244,013	195,311	121,576	107,821	161,062	2,010,913
Transmission Losses	6,520	6,565	4,424	3,078	2,881	4,412	6,372	7,076	5,664	3,526	3,127	4,671	58,316
Commercial:													
Total Commercial	122,919	123,031	115,311	110,605	115,415	146,347	182,043	194,425	168,050	126,485	112,045	116,898	1,633,574
Distribution Losses	<u>2,950</u>	<u>2,953</u>	<u>2,767</u>	<u>2,655</u>	<u>2,770</u>	<u>3,512</u>	<u>4,369</u>	<u>4,666</u>	<u>4,033</u>	<u>3,036</u>	<u>2,689</u>	<u>2,806</u>	<u>39,206</u>
Commercial Sales	125,869	125,984	118,078	113,260	118,185	149,859	186,412	199,091	172,083	129,521	114,734	119,704	1,672,780
Transmission Losses	3,650	3,654	3,424	3,285	3,427	4,346	5,406	5,774	4,990	3,756	3,327	3,471	48,510
Industrial:													
Total Industrial	197,560	197,185	219,886	216,305	225,513	224,146	222,322	231,512	224,177	230,754	211,430	195,475	2,596,265
Transmission Losses	5,729	5,718	6,377	6,273	6,540	6,500	6,447	6,714	6,501	6,692	6,131	5,669	75,291
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	25,288	23,336	20,374	18,676	19,896	26,305	32,798	33,413	27,693	20,776	19,847	23,171	291,573
Transmission Losses	733	677	591	542	577	763	951	969	803	603	576	672	8,457
Central Electric:													
Total Central Electric	1,172,354	972,861	780,622	679,032	764,746	1,011,507	1,208,612	1,148,196	912,877	703,633	779,597	1,061,985	11,196,022
Transmission Losses	33,998	28,213	22,638	19,692	22,178	29,334	35,050	33,298	26,473	20,405	22,608	30,798	324,685
Total Energy Sales	1,737,688	1,537,483	1,285,174	1,128,262	1,222,599	1,556,877	1,860,358	1,845,840	1,523,530	1,200,375	1,228,213	1,554,816	17,681,215
Total Distribution Losses	8,220	8,259	6,343	5,142	5,099	7,078	9,519	10,385	8,611	5,885	5,216	6,581	86,338
Total Transmission Losses	<u>50,630</u>	<u>44,827</u>	<u>37,454</u>	<u>32,870</u>	<u>35,603</u>	<u>45,355</u>	<u>54,226</u>	<u>53,831</u>	<u>44,431</u>	<u>34,982</u>	<u>35,769</u>	<u>45,281</u>	<u>515,259</u>
Total Output to Lines	1,796,538	1,590,569	1,328,971	1,166,274	1,263,301	1,609,310	1,924,103	1,910,056	1,576,572	1,241,242	1,269,198	1,606,678	18,282,812
Woodland Hills													
Other Central Substations													
Territorial Energy	1,796,538	1,590,569	1,328,971	1,166,274	1,263,301	1,609,310	1,924,103	1,910,056	1,576,572	1,241,242	1,269,198	1,606,678	18,282,812
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,796,538	1,590,569	1,328,971	1,166,274	1,263,301	1,609,310	1,924,103	1,910,056	1,576,572	1,241,242	1,269,198	1,606,678	18,282,812

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Residential:													
Total Residential	225,907	227,452	153,192	106,489	99,660	152,689	220,605	244,998	196,062	121,979	108,178	161,730	2,018,941
Distribution Losses	<u>5,422</u>	<u>5,459</u>	<u>3,677</u>	<u>2,556</u>	<u>2,392</u>	<u>3,665</u>	<u>5,295</u>	<u>5,880</u>	<u>4,705</u>	<u>2,927</u>	<u>2,596</u>	<u>3,882</u>	<u>48,456</u>
Residential Sales	231,329	232,911	156,869	109,045	102,052	156,354	225,900	250,878	200,767	124,906	110,774	165,612	2,067,397
Transmission Losses	6,709	6,754	4,549	3,162	2,960	4,534	6,551	7,275	5,822	3,622	3,212	4,803	59,953
Commercial:													
Total Commercial	124,770	124,882	117,002	112,196	117,060	148,425	184,625	197,182	170,434	128,284	113,655	118,617	1,657,132
Distribution Losses	<u>2,994</u>	<u>2,997</u>	<u>2,808</u>	<u>2,693</u>	<u>2,809</u>	<u>3,562</u>	<u>4,431</u>	<u>4,732</u>	<u>4,090</u>	<u>3,079</u>	<u>2,728</u>	<u>2,847</u>	<u>39,770</u>
Commercial Sales	127,764	127,879	119,810	114,889	119,869	151,987	189,056	201,914	174,524	131,363	116,383	121,464	1,696,902
Transmission Losses	3,705	3,708	3,474	3,332	3,476	4,408	5,483	5,856	5,061	3,810	3,375	3,522	49,210
Industrial:													
Total Industrial	198,626	198,215	221,022	217,436	226,724	225,349	223,520	232,777	225,389	232,000	212,566	196,506	2,610,130
Transmission Losses	5,760	5,748	6,410	6,306	6,575	6,535	6,482	6,751	6,536	6,728	6,164	5,699	75,694
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	25,847	23,823	20,767	19,016	20,261	26,805	33,427	34,035	28,191	21,145	20,224	23,661	297,202
Transmission Losses	750	691	602	551	588	777	969	987	818	613	586	686	8,618
Central Electric:													
Total Central Electric	1,212,366	1,004,194	803,235	697,095	785,766	1,042,176	1,246,631	1,183,690	939,311	722,678	802,293	1,096,200	11,535,635
Transmission Losses	35,159	29,122	23,294	20,216	22,787	30,223	36,152	34,327	27,240	20,958	23,266	31,790	334,534
Total Energy Sales	1,787,516	1,578,566	1,315,218	1,152,232	1,249,471	1,595,444	1,908,808	1,892,682	1,559,387	1,226,086	1,256,916	1,596,714	18,119,040
Total Distribution Losses	8,416	8,456	6,485	5,249	5,201	7,227	9,726	10,612	8,795	6,006	5,324	6,729	88,226
Total Transmission Losses	<u>52,083</u>	<u>46,023</u>	<u>38,329</u>	<u>33,567</u>	<u>36,386</u>	<u>46,477</u>	<u>55,637</u>	<u>55,196</u>	<u>45,477</u>	<u>35,731</u>	<u>36,603</u>	<u>46,500</u>	<u>528,009</u>
Total Output to Lines	1,848,015	1,633,045	1,360,032	1,191,048	1,291,058	1,649,148	1,974,171	1,958,490	1,613,659	1,267,823	1,298,843	1,649,943	18,735,275
Woodland Hills													
Other Central Substations													
Territorial Energy	1,848,015	1,633,045	1,360,032	1,191,048	1,291,058	1,649,148	1,974,171	1,958,490	1,613,659	1,267,823	1,298,843	1,649,943	18,735,275
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,848,015	1,633,045	1,360,032	1,191,048	1,291,058	1,649,148	1,974,171	1,958,490	1,613,659	1,267,823	1,298,843	1,649,943	18,735,275

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	232,401	233,989	157,508	109,407	102,358	156,906	226,770	251,845	201,494	125,290	111,110	166,233	2,075,311
Distribution Losses	<u>5,578</u>	<u>5,616</u>	<u>3,780</u>	<u>2,626</u>	<u>2,457</u>	<u>3,766</u>	<u>5,442</u>	<u>6,044</u>	<u>4,836</u>	<u>3,007</u>	<u>2,667</u>	<u>3,990</u>	<u>49,809</u>
Residential Sales	237,979	239,605	161,288	112,033	104,815	160,672	232,212	257,889	206,330	128,297	113,777	170,223	2,125,120
Transmission Losses	6,901	6,949	4,677	3,249	3,040	4,659	6,734	7,479	5,984	3,721	3,300	4,936	61,629
Commercial:													
Total Commercial	126,647	126,760	118,718	113,810	118,728	150,531	187,241	199,970	172,841	130,098	115,276	120,345	1,680,965
Distribution Losses	<u>3,040</u>	<u>3,042</u>	<u>2,849</u>	<u>2,731</u>	<u>2,849</u>	<u>3,613</u>	<u>4,494</u>	<u>4,799</u>	<u>4,148</u>	<u>3,122</u>	<u>2,767</u>	<u>2,888</u>	<u>40,342</u>
Commercial Sales	129,687	129,802	121,567	116,541	121,577	154,144	191,735	204,769	176,989	133,220	118,043	123,233	1,721,307
Transmission Losses	3,761	3,764	3,525	3,380	3,526	4,470	5,560	5,938	5,133	3,863	3,423	3,574	49,917
Industrial:													
Total Industrial	199,695	199,247	222,161	218,569	227,938	226,555	224,721	234,045	226,604	233,248	213,704	197,540	2,624,027
Transmission Losses	5,791	5,778	6,443	6,339	6,610	6,570	6,517	6,787	6,572	6,764	6,197	5,729	76,097
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	26,417	24,319	21,169	19,362	20,633	27,316	34,069	34,667	28,696	21,518	20,605	24,152	302,923
Transmission Losses	766	705	614	561	598	792	988	1,005	832	624	598	700	8,783
Central Electric:													
Total Central Electric	1,253,889	1,036,704	826,688	715,823	807,548	1,073,942	1,286,002	1,220,341	966,534	742,243	825,548	1,131,159	11,886,421
Transmission Losses	36,363	30,064	23,974	20,759	23,419	31,144	37,294	35,390	28,029	21,525	23,941	32,804	344,706
Total Energy Sales	1,839,049	1,621,019	1,346,244	1,176,971	1,277,205	1,635,250	1,958,803	1,940,868	1,596,169	1,252,397	1,286,243	1,639,429	18,569,647
Total Distribution Losses	8,618	8,658	6,629	5,357	5,306	7,379	9,936	10,843	8,984	6,129	5,434	6,878	90,151
Total Transmission Losses	<u>53,582</u>	<u>47,260</u>	<u>39,233</u>	<u>34,288</u>	<u>37,193</u>	<u>47,635</u>	<u>57,093</u>	<u>56,599</u>	<u>46,550</u>	<u>36,497</u>	<u>37,459</u>	<u>47,743</u>	<u>541,132</u>
Total Output to Lines	1,901,249	1,676,937	1,392,106	1,216,616	1,319,704	1,690,264	2,025,832	2,008,310	1,651,703	1,295,023	1,329,136	1,694,050	19,200,930
Woodland Hills													
Other Central Substations													
Territorial Energy	1,901,249	1,676,937	1,392,106	1,216,616	1,319,704	1,690,264	2,025,832	2,008,310	1,651,703	1,295,023	1,329,136	1,694,050	19,200,930
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,901,249	1,676,937	1,392,106	1,216,616	1,319,704	1,690,264	2,025,832	2,008,310	1,651,703	1,295,023	1,329,136	1,694,050	19,200,930

SANTEE COOPER DEMAND FORECAST
Summary Table – (MW)

Final

	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>
Distribution:																				
Peak	530	563	589	611	631	652	672	585	712	733	753	773	793	814	834	855	875	896	916	938
Less: DSM Projections	5	6	8	9	11	12	14	27	17	18	20	21	23	24	25	27	28	30	31	33
Distribution Losses	13	13	14	14	15	15	16	13	17	17	18	18	18	19	19	20	20	21	21	22
Transmission Losses	<u>20</u>	<u>21</u>	<u>22</u>	<u>22</u>	<u>23</u>	<u>24</u>	<u>25</u>	<u>21</u>	<u>26</u>	<u>27</u>	<u>27</u>	<u>28</u>	<u>29</u>	<u>30</u>	<u>30</u>	<u>31</u>	<u>32</u>	<u>32</u>	<u>33</u>	<u>34</u>
TOTAL DISTRIBUTION	558	591	617	638	658	679	699	592	738	759	778	798	817	839	858	879	899	919	939	961
Industrial (including Military):																				
Total Industrial	290	287	243	229	222	224	225	197	227	228	229	231	232	233	234	236	237	238	240	241
Transmission Losses	<u>11</u>	<u>10</u>	<u>9</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>7</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>9</u>	<u>9</u>	<u>9</u>	<u>9</u>	<u>9</u>
TOTAL INDUSTRIAL	301	297	252	237	230	232	233	204	235	236	237	239	240	242	243	245	246	247	249	250
Alumax:																				
Peak	300	300	300	300	300	300	300	301	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	311	311	311	311	311	311	311	312	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:																				
Peak	38	40	42	43	44	46	47	44	49	50	51	52	53	55	56	57	58	59	60	61
Transmission Losses	<u>1</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>
TOTAL MUNICIPALS	39	41	44	45	46	48	49	46	51	52	53	54	55	57	58	59	60	61	62	63
Central Electric:																				
Peak	1,484	1,542	1,604	1,653	1,705	1,766	1,829	1,882	1,948	2,015	2,085	2,182	2,256	2,333	2,413	2,494	2,578	2,665	2,756	2,848
Less: DSM Projections	19	25	31	38	45	52	59	132	72	78	83	88	92	97	101	105	110	114	118	123
Transmission Losses	<u>53</u>	<u>55</u>	<u>57</u>	<u>59</u>	<u>61</u>	<u>63</u>	<u>65</u>	<u>64</u>	<u>68</u>	<u>71</u>	<u>73</u>	<u>76</u>	<u>79</u>	<u>82</u>	<u>84</u>	<u>87</u>	<u>90</u>	<u>93</u>	<u>96</u>	<u>99</u>
TOTAL Central Electric	1,518	1,572	1,630	1,674	1,721	1,777	1,835	1,814	1,944	2,008	2,075	2,170	2,243	2,318	2,396	2,476	2,558	2,644	2,734	2,824
Total System:	2,618	2,701	2,739	2,789	2,846	2,924	3,000	2,850	2,847	2,930	3,015	3,129	3,219	3,314	3,411	3,510	3,610	3,714	3,823	3,932
Total System Losses:	109	111	115	116	120	123	127	118	121	125	128	132	136	142	144	149	153	157	161	166
Territorial Sales	2,727	2,812	2,854	2,905	2,966	3,047	3,127	2,968	2,968	3,055	3,143	3,261	3,355	3,456	3,555	3,659	3,763	3,871	3,984	4,098
Other Central Substations	16	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	<u>8</u>	<u>9</u>	<u>9</u>	<u>10</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Territorial Load	2,703	2,786	2,828	2,895	2,966	3,047	3,127	2,968	2,968	3,055	3,143	3,261	3,355	3,456	3,555	3,659	3,763	3,871	3,984	4,098
Off-System Peak:																				
NCEMPA	77	100	100	100	100	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Off-System Peak	77	100	100	100	100	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Requirements	2,780	2,886	2,928	2,995	3,066	3,097	3,127	2,968	2,968	3,055	3,143	3,261	3,355	3,456	3,555	3,659	3,763	3,871	3,984	4,098

SANTEE COOPER DEMAND FORECAST
 Calendar Year 1993 -- (MW)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	437	419	359	336	410	501	530	512	460	349	371	442	530
Less: DSM Projections	9	9	0	0	0	5	5	5	5	0	0	9	5
Distribution Losses	10	10	9	8	10	12	13	12	11	8	9	10	13
Transmission Losses	<u>16</u>	<u>15</u>	<u>13</u>	<u>13</u>	<u>15</u>	<u>19</u>	<u>20</u>	<u>19</u>	<u>17</u>	<u>13</u>	<u>14</u>	<u>16</u>	<u>20</u>
TOTAL DISTRIBUTION	454	435	381	357	435	527	558	538	483	370	394	459	558
Industrial (including Military):													
Total Industrial	258	242	336	356	389	277	290	287	384	362	346	241	290
Transmission Losses	<u>9</u>	<u>9</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>10</u>	<u>11</u>	<u>10</u>	<u>14</u>	<u>13</u>	<u>13</u>	<u>9</u>	<u>11</u>
TOTAL INDUSTRIAL	267	251	348	369	403	287	301	297	398	375	359	250	301
Alumax:													
Peak	301	302	300	301	299	301	300	299	299	299	301	301	300
Transmission Losses	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>
TOTAL ALUMAX	312	313	311	312	310	312	311	310	310	310	312	312	311
Municipals:													
Peak	32	30	28	28	31	37	38	38	34	27	28	32	38
Transmission Losses	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
TOTAL MUNICIPALS	33	31	29	29	32	38	39	39	35	28	29	33	39
Central Electric:													
Peak	1,458	1,397	1,248	1,067	1,180	1,397	1,484	1,428	1,285	1,107	1,284	1,459	1,484
Less: DSM Projections	34	34	0	0	0	19	19	19	19	0	0	40	19
Transmission Losses	<u>52</u>	<u>50</u>	<u>46</u>	<u>39</u>	<u>43</u>	<u>50</u>	<u>53</u>	<u>51</u>	<u>46</u>	<u>40</u>	<u>47</u>	<u>52</u>	<u>53</u>
TOTAL CENTRAL ELECTRIC	<u>1,476</u>	<u>1,413</u>	<u>1,294</u>	<u>1,106</u>	<u>1,223</u>	<u>1,428</u>	<u>1,518</u>	<u>1,460</u>	<u>1,312</u>	<u>1,147</u>	<u>1,331</u>	<u>1,471</u>	<u>1,518</u>
Total System:	2,443	2,347	2,271	2,088	2,309	2,489	2,618	2,540	2,438	2,144	2,330	2,426	2,618
Total System Losses:	<u>99</u>	<u>96</u>	<u>92</u>	<u>85</u>	<u>94</u>	<u>103</u>	<u>109</u>	<u>104</u>	<u>100</u>	<u>86</u>	<u>95</u>	<u>99</u>	<u>109</u>
Territorial Sales													
Woodland Hills	13	13	12	11	13	14	16	16	15	11	11	13	16
Other Central Substations	<u>9</u>	<u>8</u>	<u>8</u>	<u>6</u>	<u>5</u>	<u>7</u>	<u>8</u>	<u>8</u>	<u>7</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>8</u>
Territorial Load	2,520	2,422	2,343	2,156	2,385	2,571	2,703	2,620	2,516	2,213	2,407	2,504	2,703
Off-System Peak:													
NCEMPA	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>
Total Off-System Peak	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>
Total Load Requirements	2,597	2,499	2,420	2,233	2,462	2,648	2,780	2,697	2,593	2,290	2,484	2,581	2,780

SANTEE COOPER DEMAND FORECAST
Calendar Year 1994 - (MW)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	464	445	381	357	437	534	563	544	487	368	389	465	563
Less: DSM Projections	11	11	0	0	0	6	6	6	6	0	0	12	6
Distribution Losses	11	10	9	9	10	13	13	13	12	9	9	11	13
Transmission Losses	<u>17</u>	<u>16</u>	<u>14</u>	<u>13</u>	<u>16</u>	<u>20</u>	<u>21</u>	<u>20</u>	<u>18</u>	<u>14</u>	<u>15</u>	<u>17</u>	<u>21</u>
TOTAL DISTRIBUTION	481	460	404	379	463	561	591	571	511	391	413	481	591
Industrial (including Military):													
Total Industrial	257	240	336	356	388	274	287	284	382	361	346	240	287
Transmission Losses	<u>9</u>	<u>9</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>10</u>	<u>10</u>	<u>10</u>	<u>14</u>	<u>13</u>	<u>13</u>	<u>9</u>	<u>10</u>
TOTAL INDUSTRIAL	266	249	348	369	402	284	297	294	396	374	359	249	297
Alumax:													
Peak	301	302	300	301	299	301	300	299	299	299	301	301	300
Transmission Losses	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>
TOTAL ALUMAX	312	313	311	312	310	312	311	310	310	310	312	312	311
Municipals:													
Peak	34	32	30	29	33	39	40	40	36	29	30	34	40
Transmission Losses	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
TOTAL MUNICIPALS	35	33	31	30	34	40	41	41	37	30	31	35	41
Central Electric:													
Peak	1,522	1,457	1,300	1,110	1,228	1,450	1,542	1,483	1,336	1,151	1,337	1,521	1,542
Less: DSM Projections	46	47	0	0	0	25	25	25	25	0	0	53	25
Transmission Losses	<u>54</u>	<u>51</u>	<u>47</u>	<u>41</u>	<u>45</u>	<u>52</u>	<u>55</u>	<u>53</u>	<u>48</u>	<u>42</u>	<u>49</u>	<u>54</u>	<u>55</u>
TOTAL CENTRAL ELECTRIC	<u>1,530</u>	<u>1,461</u>	<u>1,347</u>	<u>1,151</u>	<u>1,273</u>	<u>1,477</u>	<u>1,572</u>	<u>1,511</u>	<u>1,359</u>	<u>1,193</u>	<u>1,386</u>	<u>1,522</u>	<u>1,572</u>
Total System:	2,521	2,418	2,347	2,153	2,385	2,567	2,701	2,619	2,509	2,208	2,403	2,496	2,701
Total System Losses:	<u>103</u>	<u>98</u>	<u>94</u>	<u>88</u>	<u>97</u>	<u>107</u>	<u>111</u>	<u>108</u>	<u>104</u>	<u>90</u>	<u>98</u>	<u>103</u>	<u>111</u>
Territorial Sales													
Woodland Hills	14	13	12	11	14	15	17	17	16	11	12	14	17
Other Central Substations	<u>8</u>	<u>8</u>	<u>7</u>	<u>6</u>	<u>5</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>8</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>
Territorial Load	2,602	2,495	2,422	2,224	2,463	2,651	2,786	2,701	2,589	2,281	2,482	2,577	2,786
Off-System Peak:													
NCEMPA	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>
Total Off-System Peak	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>
Total Load Requirements	2,702	2,595	2,522	2,324	2,563	2,751	2,886	2,801	2,689	2,381	2,582	2,677	2,886

SANTEE COOPER DEMAND FORECAST
Calendar Year 1995 - (MW)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	487	467	399	373	457	558	589	567	508	383	406	485	589
Less: DSM Projections	13	14	0	0	0	8	8	8	8	0	0	14	8
Distribution Losses	11	11	10	9	11	13	14	13	12	9	10	11	14
Transmission Losses	18	17	15	14	17	21	22	21	19	14	15	18	22
TOTAL DISTRIBUTION	503	481	424	396	485	584	617	593	531	406	431	500	617
Industrial (including Military):													
Total Industrial	209	200	300	310	343	230	243	246	338	319	305	210	243
Transmission Losses	8	7	11	11	13	8	9	9	12	12	11	8	9
TOTAL INDUSTRIAL	217	207	311	321	356	238	252	255	350	331	316	218	252
Alumax:													
Peak	301	302	300	301	299	301	300	299	299	299	301	301	300
Transmission Losses	11	11	11	11	11	11	11	11	11	11	11	11	11
TOTAL ALUMAX	312	313	311	312	310	312	311	310	310	310	312	312	311
Municipals:													
Peak	36	34	31	30	34	40	42	41	37	30	31	36	42
Transmission Losses	1	1	1	1	1	1	2	1	1	1	1	1	2
TOTAL MUNICIPALS	37	35	32	31	35	41	44	42	38	31	32	37	44
Central Electric:													
Peak	1,581	1,513	1,351	1,154	1,276	1,507	1,604	1,543	1,389	1,195	1,390	1,579	1,604
Less: DSM Projections	59	60	0	0	0	31	31	32	32	0	0	67	31
Transmission Losses	56	53	49	42	47	54	57	55	50	44	51	55	57
TOTAL CENTRAL ELECTRIC	1,578	1,506	1,400	1,196	1,323	1,530	1,630	1,566	1,407	1,239	1,441	1,567	1,630
Total System:	2,542	2,442	2,381	2,168	2,409	2,597	2,739	2,656	2,531	2,226	2,433	2,530	2,739
Total System Losses:	105	100	97	88	100	108	115	110	105	91	99	104	115
Territorial Sales	2,647	2,542	2,478	2,256	2,509	2,705	2,854	2,766	2,636	2,317	2,532	2,634	2,854
Woodland Hills	14	13	12	11	14	15	17	17	16	11	12	14	17
Other Central Substations	9	8	8	6	6	8	9	9	8	6	8	9	9
Territorial Load	2,624	2,521	2,458	2,239	2,489	2,682	2,828	2,740	2,612	2,300	2,512	2,611	2,828
Off-System Peak:													
NCEMPA	100	100	100	100	100	100	100	100	100	100	100	100	100
Total Off-System Peak	100	100	100	100	100	100	100	100	100	100	100	100	100
Total Load Requirements	2,724	2,621	2,558	2,339	2,589	2,782	2,928	2,840	2,712	2,400	2,612	2,711	2,928

SANTÉE COOPER DEMAND FORECAST
Calendar Year 1996 -- (MW)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	508	486	415	386	473	579	611	589	525	396	422	504	611
Less: DSM Projections	16	16	0	0	0	9	9	9	9	0	0	17	9
Distribution Losses	12	11	10	9	11	14	14	14	12	10	10	12	14
Transmission Losses	<u>18</u>	<u>18</u>	<u>16</u>	<u>14</u>	<u>18</u>	<u>21</u>	<u>22</u>	<u>22</u>	<u>19</u>	<u>15</u>	<u>16</u>	<u>18</u>	<u>22</u>
TOTAL DISTRIBUTION	522	499	441	409	502	605	638	616	547	421	448	517	638
Industrial (including Military):													
Total Industrial	199	190	290	299	332	217	229	232	324	307	294	200	229
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>8</u>
TOTAL INDUSTRIAL	206	197	301	310	344	225	237	240	336	318	305	207	237
Alumax:													
Peak	301	302	300	301	299	301	300	299	299	299	301	301	300
Transmission Losses	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>
TOTAL ALUMAX	312	313	311	312	310	312	311	310	310	310	312	312	311
Municipals:													
Peak	38	36	32	31	36	42	43	42	38	31	33	37	43
Transmission Losses	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>2</u>
TOTAL MUNICIPALS	39	37	33	32	37	44	45	44	39	32	34	38	45
Central Electric:													
Peak	1,637	1,566	1,397	1,190	1,316	1,553	1,653	1,590	1,429	1,230	1,432	1,628	1,653
Less: DSM Projections	73	74	0	0	0	38	38	38	39	0	0	81	38
Transmission Losses	<u>57</u>	<u>54</u>	<u>51</u>	<u>43</u>	<u>48</u>	<u>55</u>	<u>59</u>	<u>57</u>	<u>51</u>	<u>45</u>	<u>52</u>	<u>56</u>	<u>59</u>
TOTAL CENTRAL ELECTRIC	1,621	1,546	1,448	1,233	1,364	1,570	1,674	1,609	1,441	1,275	1,484	1,603	1,674
Total System:	2,594	2,490	2,434	2,207	2,456	2,645	2,789	2,705	2,567	2,263	2,482	2,572	2,789
Total System Losses:	106	102	100	89	101	111	116	114	106	93	101	105	116
Territorial Sales	2,700	2,592	2,534	2,296	2,557	2,756	2,905	2,819	2,673	2,356	2,583	2,677	2,905
Woodland Hills													0
Other Central Substations	<u>9</u>	<u>9</u>	<u>8</u>	<u>7</u>	<u>6</u>	<u>9</u>	<u>10</u>	<u>10</u>	<u>8</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>
Territorial Load	2,691	2,583	2,526	2,289	2,551	2,747	2,895	2,809	2,665	2,349	2,575	2,668	2,895
Off-System Peak:													
NCEMPA	100	100	100	100	100	100	100	100	100	100	100	100	100
Total Off-System Peak	100	100	100	100	100	100	100	100	100	100	100	100	100
Total Load Requirements	2,791	2,683	2,626	2,389	2,651	2,847	2,995	2,909	2,765	2,449	2,675	2,768	2,995

SANTEE COOPER DEMAND FORECAST
Calendar Year 1997 -- (MW)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	527	505	430	400	490	598	631	608	543	409	436	522	631
Less: DSM Projections	19	19	0	0	0	11	11	11	11	0	0	20	11
Distribution Losses	12	12	10	10	12	14	15	14	13	10	10	12	15
Transmission Losses	19	18	16	15	18	22	23	22	20	15	16	19	23
TOTAL DISTRIBUTION	539	516	456	425	520	623	658	633	565	434	462	533	658
Industrial (including Military):													
Total Industrial	194	186	286	294	327	211	222	226	319	303	289	195	222
Transmission Losses	7	7	10	11	12	8	8	8	12	11	11	7	8
TOTAL INDUSTRIAL	201	193	296	305	339	219	230	234	331	314	300	202	230
Alumax:													
Peak	301	302	300	301	299	301	300	299	299	299	301	301	300
Transmission Losses	11	11	11	11	11	11	11	11	11	11	11	11	11
TOTAL ALUMAX	312	313	311	312	310	312	311	310	310	310	312	312	311
Municipals:													
Peak	39	38	34	32	37	43	44	43	39	32	34	39	44
Transmission Losses	1	1	1	1	1	2	2	2	1	1	1	1	2
TOTAL MUNICIPALS	40	39	35	33	38	45	46	45	40	33	35	40	46
Central Electric:													
Peak	1,692	1,619	1,443	1,226	1,357	1,603	1,705	1,641	1,476	1,269	1,482	1,688	1,705
Less: DSM Projections	88	89	0	0	0	45	45	45	46	0	0	96	45
Transmission Losses	59	56	53	45	50	57	61	58	52	46	54	58	61
TOTAL CENTRAL ELECTRIC	1,663	1,586	1,496	1,271	1,407	1,615	1,721	1,654	1,482	1,315	1,536	1,650	1,721
Total System:	2,646	2,542	2,493	2,253	2,510	2,700	2,846	2,761	2,619	2,312	2,542	2,629	2,846
Total System Losses:	109	105	101	93	104	114	120	115	109	94	103	108	120
Territorial Sales	2,755	2,647	2,594	2,346	2,614	2,814	2,966	2,876	2,728	2,406	2,645	2,737	2,966
Woodland Hills													0
Other Central Substations													0
Territorial Load	2,755	2,647	2,594	2,346	2,614	2,814	2,966	2,876	2,728	2,406	2,645	2,737	2,966
Off-System Peak:													
NCEMPA	100	100	100	100	100	100	100	100	100	100	100	100	100
Total Off-System Peak	100	100	100	100	100	100	100	100	100	100	100	100	100
Total Load Requirements	2,855	2,747	2,694	2,446	2,714	2,914	3,066	2,976	2,828	2,506	2,745	2,837	3,066

SANTEE COOPER DEMAND FORECAST
Calendar Year 1998 – (MW)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	547	523	445	413	505	618	652	628	560	422	451	540	652
Less: DSM Projections	22	22	0	0	0	12	12	12	12	0	0	23	12
Distribution Losses	13	12	11	10	12	15	15	15	13	10	11	12	15
Transmission Losses	<u>20</u>	<u>19</u>	<u>17</u>	<u>15</u>	<u>19</u>	<u>23</u>	<u>24</u>	<u>23</u>	<u>20</u>	<u>16</u>	<u>17</u>	<u>19</u>	<u>24</u>
TOTAL DISTRIBUTION	558	532	473	438	536	644	679	654	581	448	479	548	679
Industrial (including Military):													
Total Industrial	195	187	288	296	328	212	224	227	320	304	291	196	224
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>8</u>
TOTAL INDUSTRIAL	202	194	299	307	340	220	232	235	332	315	302	203	232
Alumax:													
Peak	301	302	300	301	299	301	300	299	299	299	301	301	300
Transmission Losses	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>
TOTAL ALUMAX	312	313	311	312	310	312	311	310	310	310	312	312	311
Municipals:													
Peak	41	39	35	33	37	44	46	45	41	33	35	40	46
Transmission Losses	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>2</u>
TOTAL MUNICIPALS	42	40	36	34	38	46	48	47	42	34	36	41	48
Central Electric:													
Peak	1,749	1,676	1,492	1,266	1,400	1,658	1,766	1,699	1,526	1,312	1,536	1,754	1,766
Less: DSM Projections	103	103	0	0	0	52	52	52	53	0	0	111	52
Transmission Losses	<u>60</u>	<u>57</u>	<u>54</u>	<u>46</u>	<u>51</u>	<u>59</u>	<u>63</u>	<u>60</u>	<u>54</u>	<u>48</u>	<u>56</u>	<u>60</u>	<u>63</u>
TOTAL CENTRAL ELECTRIC	<u>1,706</u>	<u>1,630</u>	<u>1,546</u>	<u>1,312</u>	<u>1,451</u>	<u>1,665</u>	<u>1,777</u>	<u>1,707</u>	<u>1,527</u>	<u>1,360</u>	<u>1,592</u>	<u>1,703</u>	<u>1,777</u>
Total System:	2,708	2,602	2,560	2,309	2,569	2,769	2,924	2,834	2,681	2,370	2,614	2,697	2,924
Total System Losses:	<u>112</u>	<u>107</u>	<u>105</u>	<u>94</u>	<u>106</u>	<u>118</u>	<u>123</u>	<u>119</u>	<u>111</u>	<u>97</u>	<u>107</u>	<u>110</u>	<u>123</u>
Territorial Sales	2,820	2,709	2,665	2,403	2,675	2,887	3,047	2,953	2,792	2,467	2,721	2,807	3,047
Woodland Hills													0
Other Central Substations													0
Territorial Load	2,820	2,709	2,665	2,403	2,675	2,887	3,047	2,953	2,792	2,467	2,721	2,807	3,047
Off-System Peak:													
NCEMPA	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>
Total Off-System Peak	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>
Total Load Requirements	2,870	2,759	2,715	2,453	2,725	2,937	3,097	3,003	2,842	2,517	2,771	2,857	3,097

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Calendar Year 1999 – (MW)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	565	541	460	426	520	637	672	647	577	435	466	558	672
Less: DSM Projections	25	25	0	0	0	13	14	14	14	0	0	26	14
Distribution Losses	13	12	11	10	12	15	16	15	14	10	11	13	16
Transmission Losses	<u>20</u>	<u>19</u>	<u>17</u>	<u>16</u>	<u>19</u>	<u>23</u>	<u>25</u>	<u>24</u>	<u>21</u>	<u>16</u>	<u>17</u>	<u>20</u>	<u>25</u>
TOTAL DISTRIBUTION	573	547	488	452	551	662	699	672	598	461	494	565	699
Industrial (including Military):													
Total Industrial	196	188	289	297	330	213	225	228	322	306	293	198	225
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>8</u>
TOTAL INDUSTRIAL	203	195	300	308	342	221	233	236	334	317	304	205	233
Alumax:													
Peak	301	302	300	301	299	301	300	299	299	299	301	301	300
Transmission Losses	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>
TOTAL ALUMAX	312	313	311	312	310	312	311	310	310	310	312	312	311
Municipals:													
Peak	43	41	36	34	38	45	47	46	42	34	36	42	47
Transmission Losses	<u>2</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>2</u>
TOTAL MUNICIPALS	45	42	37	35	39	47	49	48	44	35	37	44	49
Central Electric:													
Peak	1,818	1,741	1,547	1,308	1,448	1,717	1,829	1,759	1,579	1,356	1,593	1,820	1,829
Less: DSM Projections	118	118	0	0	0	59	59	59	60	0	0	126	59
Transmission Losses	<u>62</u>	<u>59</u>	<u>56</u>	<u>48</u>	<u>53</u>	<u>61</u>	<u>65</u>	<u>62</u>	<u>55</u>	<u>49</u>	<u>58</u>	<u>62</u>	<u>65</u>
TOTAL CENTRAL ELECTRIC	1,762	1,682	1,603	1,356	1,501	1,719	1,835	1,762	1,574	1,405	1,651	1,756	1,835
Total System:	2,780	2,670	2,632	2,366	2,635	2,841	3,000	2,906	2,745	2,430	2,689	2,767	3,000
Total System Losses:	115	109	107	97	108	120	127	122	115	98	109	115	127
Territorial Sales	2,895	2,779	2,739	2,463	2,743	2,961	3,127	3,028	2,860	2,528	2,798	2,882	3,127
Woodland Hills													0
Other Central Substations													0
Territorial Load	2,895	2,779	2,739	2,463	2,743	2,961	3,127	3,028	2,860	2,528	2,798	2,882	3,127
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Requirements	2,895	2,779	2,739	2,463	2,743	2,961	3,127	3,028	2,860	2,528	2,798	2,882	3,127

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Calendar Year 2000 – (MW)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	585	559	475	437	536	656	693	667	594	448	480	577	585
Less: DSM Projections	27	28	0	0	0	15	15	15	15	0	0	29	27
Distribution Losses	13	13	11	10	13	15	16	16	14	11	12	13	13
Transmission Losses	<u>21</u>	<u>20</u>	<u>18</u>	<u>16</u>	<u>20</u>	<u>24</u>	<u>25</u>	<u>24</u>	<u>22</u>	<u>17</u>	<u>18</u>	<u>20</u>	<u>21</u>
TOTAL DISTRIBUTION	592	564	504	463	569	680	719	692	615	476	510	581	592
Industrial (including Military):													
Total Industrial	197	189	291	299	332	214	226	229	324	307	294	198	197
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>7</u>
TOTAL INDUSTRIAL	204	196	302	310	344	222	234	237	336	318	305	205	204
Alumax:													
Peak	301	302	300	0	0	0	0	0	0	0	0	0	301
Transmission Losses	<u>11</u>	<u>11</u>	<u>11</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>11</u>
TOTAL ALUMAX	312	313	311	0	0	0	0	0	0	0	0	0	312
Municipals:													
Peak	44	42	38	35	39	46	48	47	43	35	38	44	44
Transmission Losses	<u>2</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>2</u>
TOTAL MUNICIPALS	46	44	39	36	40	48	50	49	45	36	39	46	46
Central Electric:													
Peak	1,882	1,803	1,598	1,345	1,489	1,771	1,888	1,816	1,626	1,393	1,644	1,883	1,882
Less: DSM Projections	132	133	0	0	0	66	66	66	66	0	0	139	132
Transmission Losses	<u>64</u>	<u>61</u>	<u>58</u>	<u>49</u>	<u>54</u>	<u>62</u>	<u>67</u>	<u>64</u>	<u>57</u>	<u>51</u>	<u>60</u>	<u>64</u>	<u>64</u>
TOTAL CENTRAL ELECTRIC	<u>1,814</u>	<u>1,731</u>	<u>1,656</u>	<u>1,394</u>	<u>1,543</u>	<u>1,767</u>	<u>1,889</u>	<u>1,814</u>	<u>1,617</u>	<u>1,444</u>	<u>1,704</u>	<u>1,808</u>	<u>1,814</u>
Total System:	2,850	2,734	2,702	2,116	2,396	2,606	2,774	2,678	2,506	2,183	2,456	2,534	2,850
Total System Losses:	<u>118</u>	<u>114</u>	<u>110</u>	<u>87</u>	<u>100</u>	<u>111</u>	<u>118</u>	<u>114</u>	<u>107</u>	<u>91</u>	<u>102</u>	<u>106</u>	<u>118</u>
Territorial Sales	2,968	2,848	2,812	2,203	2,496	2,717	2,892	2,792	2,613	2,274	2,558	2,640	2,968
Woodland Hills													0
Other Central Substations													0
Territorial Load	2,968	2,848	2,812	2,203	2,496	2,717	2,892	2,792	2,613	2,274	2,558	2,640	2,968
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Requirements	2,968	2,848	2,812	2,203	2,496	2,717	2,892	2,792	2,613	2,274	2,558	2,640	2,968

SANTEE COOPER DEMAND FORECAST
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Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	603	577	490	450	550	675	712	686	611	460	495	594	712
Less: DSM Projections	30	31	0	0	0	16	17	17	17	0	0	32	17
Distribution Losses	14	13	12	11	13	16	17	16	14	11	12	13	17
Transmission Losses	<u>21</u>	<u>20</u>	<u>18</u>	<u>17</u>	<u>21</u>	<u>25</u>	<u>26</u>	<u>25</u>	<u>22</u>	<u>17</u>	<u>19</u>	<u>21</u>	<u>26</u>
TOTAL DISTRIBUTION	608	579	520	478	584	700	738	710	630	488	526	596	738
Industrial (including Military):													
Total Industrial	198	190	293	301	333	215	227	231	325	309	296	199	227
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>8</u>
TOTAL INDUSTRIAL	205	197	304	312	345	223	235	239	337	320	307	206	235
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	46	44	39	36	40	47	49	48	44	35	39	45	49
Transmission Losses	<u>2</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>2</u>
TOTAL MUNICIPALS	48	46	40	37	41	49	51	50	46	36	40	47	51
Central Electric:													
Peak	1,948	1,865	1,650	1,382	1,532	1,826	1,948	1,874	1,675	1,433	1,696	1,947	1,948
Less: DSM Projections	146	146	0	0	0	72	72	72	73	0	0	151	72
Transmission Losses	<u>66</u>	<u>63</u>	<u>60</u>	<u>50</u>	<u>56</u>	<u>64</u>	<u>68</u>	<u>66</u>	<u>58</u>	<u>52</u>	<u>62</u>	<u>66</u>	<u>68</u>
TOTAL CENTRAL ELECTRIC	<u>1,868</u>	<u>1,782</u>	<u>1,710</u>	<u>1,432</u>	<u>1,588</u>	<u>1,818</u>	<u>1,944</u>	<u>1,868</u>	<u>1,660</u>	<u>1,485</u>	<u>1,758</u>	<u>1,862</u>	<u>1,944</u>
Total System:	2,619	2,499	2,472	2,169	2,455	2,675	2,847	2,750	2,565	2,237	2,526	2,602	2,847
Total System Losses:	<u>110</u>	<u>105</u>	<u>102</u>	<u>90</u>	<u>103</u>	<u>115</u>	<u>121</u>	<u>117</u>	<u>108</u>	<u>92</u>	<u>105</u>	<u>109</u>	<u>121</u>
Territorial Sales	2,729	2,604	2,574	2,259	2,558	2,790	2,968	2,867	2,673	2,329	2,631	2,711	2,968
Woodland Hills													0
Other Central Substations													0
Territorial Load	2,729	2,604	2,574	2,259	2,558	2,790	2,968	2,867	2,673	2,329	2,631	2,711	2,968
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Load Requirements	2,729	2,604	2,574	2,259	2,558	2,790	2,968	2,867	2,673	2,329	2,631	2,711	2,968

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Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	623	595	505	463	566	694	733	705	628	472	509	613	733
Less: DSM Projections	33	33	0	0	0	18	18	18	18	0	0	34	18
Distribution Losses	14	13	12	11	14	16	17	16	15	11	12	14	17
Transmission Losses	<u>22</u>	<u>21</u>	<u>19</u>	<u>17</u>	<u>21</u>	<u>25</u>	<u>27</u>	<u>26</u>	<u>23</u>	<u>18</u>	<u>19</u>	<u>22</u>	<u>27</u>
TOTAL DISTRIBUTION	626	596	536	491	601	717	759	729	648	501	540	615	759
Industrial (including Military):													
Total Industrial	199	191	294	303	335	217	228	232	327	310	298	200	228
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>8</u>
TOTAL INDUSTRIAL	206	198	305	314	347	225	236	240	339	321	309	207	236
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	47	45	40	37	41	48	50	49	45	36	40	47	50
Transmission Losses	<u>2</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>2</u>
TOTAL MUNICIPALS	49	47	41	38	42	50	52	51	47	37	41	49	52
Central Electric:													
Peak	2,023	1,937	1,711	1,429	1,582	1,890	2,015	1,939	1,730	1,480	1,757	2,021	2,015
Less: DSM Projections	158	158	0	0	0	78	78	78	78	0	0	162	78
Transmission Losses	<u>68</u>	<u>65</u>	<u>62</u>	<u>52</u>	<u>58</u>	<u>66</u>	<u>71</u>	<u>68</u>	<u>60</u>	<u>54</u>	<u>64</u>	<u>68</u>	<u>71</u>
TOTAL CENTRAL ELECTRIC	<u>1,933</u>	<u>1,844</u>	<u>1,773</u>	<u>1,481</u>	<u>1,640</u>	<u>1,878</u>	<u>2,008</u>	<u>1,929</u>	<u>1,712</u>	<u>1,534</u>	<u>1,821</u>	<u>1,927</u>	<u>2,008</u>
Total System:	2,701	2,577	2,550	2,232	2,524	2,753	2,930	2,829	2,634	2,298	2,604	2,685	2,930
Total System Losses:	<u>113</u>	<u>108</u>	<u>105</u>	<u>92</u>	<u>106</u>	<u>117</u>	<u>125</u>	<u>120</u>	<u>112</u>	<u>95</u>	<u>107</u>	<u>113</u>	<u>125</u>
Territorial Sales	2,814	2,685	2,655	2,324	2,630	2,870	3,055	2,949	2,746	2,393	2,711	2,798	3,055
Woodland Hills													0
Other Central Substations													0
Territorial Load	2,814	2,685	2,655	2,324	2,630	2,870	3,055	2,949	2,746	2,393	2,711	2,798	3,055
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Requirements	2,814	2,685	2,655	2,324	2,630	2,870	3,055	2,949	2,746	2,393	2,711	2,798	3,055

SANTEE COOPER DEMAND FORECAST
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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	642	613	519	475	582	713	753	724	645	485	525	631	753
Less: DSM Projections	36	36	0	0	0	19	20	20	20	0	0	37	20
Distribution Losses	15	14	12	11	14	17	18	17	15	12	13	14	18
Transmission Losses	<u>23</u>	<u>22</u>	<u>19</u>	<u>18</u>	<u>22</u>	<u>26</u>	<u>27</u>	<u>26</u>	<u>23</u>	<u>18</u>	<u>20</u>	<u>22</u>	<u>27</u>
TOTAL DISTRIBUTION	644	613	550	504	618	737	778	747	663	515	558	630	778
Industrial (including Military):													
Total Industrial	200	191	296	304	337	218	229	233	329	312	299	201	229
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>9</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>8</u>
TOTAL INDUSTRIAL	207	198	307	315	349	226	237	242	341	323	310	208	237
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	49	47	42	38	42	50	51	50	46	37	41	48	51
Transmission Losses	<u>2</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>2</u>
TOTAL MUNICIPALS	51	49	44	39	44	52	53	52	48	38	42	50	53
Central Electric:													
Peak	2,099	2,011	1,772	1,475	1,634	1,954	2,085	2,006	1,788	1,529	1,821	2,096	2,085
Less: DSM Projections	169	169	0	0	0	83	83	83	83	0	0	172	83
Transmission Losses	<u>70</u>	<u>67</u>	<u>65</u>	<u>54</u>	<u>60</u>	<u>68</u>	<u>73</u>	<u>70</u>	<u>62</u>	<u>56</u>	<u>66</u>	<u>70</u>	<u>73</u>
TOTAL CENTRAL ELECTRIC	<u>2,000</u>	<u>1,909</u>	<u>1,837</u>	<u>1,529</u>	<u>1,694</u>	<u>1,939</u>	<u>2,075</u>	<u>1,993</u>	<u>1,767</u>	<u>1,585</u>	<u>1,887</u>	<u>1,994</u>	<u>2,075</u>
Total System:	2,785	2,657	2,629	2,292	2,595	2,833	3,015	2,910	2,705	2,363	2,686	2,767	3,015
Total System Losses:	<u>117</u>	<u>112</u>	<u>109</u>	<u>95</u>	<u>110</u>	<u>121</u>	<u>128</u>	<u>124</u>	<u>114</u>	<u>98</u>	<u>111</u>	<u>115</u>	<u>128</u>
Territorial Sales	2,902	2,769	2,738	2,387	2,705	2,954	3,143	3,034	2,819	2,461	2,797	2,882	3,143
Woodland Hills													0
Other Central Substations													0
Territorial Load	2,902	2,769	2,738	2,387	2,705	2,954	3,143	3,034	2,819	2,461	2,797	2,882	3,143
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Requirements	2,902	2,769	2,738	2,387	2,705	2,954	3,143	3,034	2,819	2,461	2,797	2,882	3,143

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Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	661	631	535	488	596	733	773	744	662	498	540	650	773
Less: DSM Projections	39	39	0	0	0	21	21	21	21	0	0	40	21
Distribution Losses	15	14	13	12	14	17	18	17	15	12	13	15	18
Transmission Losses	<u>23</u>	<u>22</u>	<u>20</u>	<u>18</u>	<u>22</u>	<u>27</u>	<u>28</u>	<u>27</u>	<u>24</u>	<u>19</u>	<u>20</u>	<u>23</u>	<u>28</u>
TOTAL DISTRIBUTION	660	628	568	518	632	756	798	767	680	529	573	648	798
Industrial (including Military):													
Total Industrial	201	192	297	306	339	219	231	234	330	314	301	202	231
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>9</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>8</u>
TOTAL INDUSTRIAL	208	199	308	317	351	227	239	243	342	325	312	209	239
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	51	48	43	39	43	51	52	51	47	38	43	50	52
Transmission Losses	<u>2</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>
TOTAL MUNICIPALS	53	50	45	40	45	53	54	53	49	39	45	52	54
Central Electric:													
Peak	2,200	2,103	1,858	1,546	1,711	2,047	2,182	2,100	1,872	1,603	1,910	2,197	2,182
Less: DSM Projections	178	179	0	0	0	88	88	88	88	0	0	181	88
Transmission Losses	<u>74</u>	<u>70</u>	<u>68</u>	<u>56</u>	<u>62</u>	<u>72</u>	<u>76</u>	<u>73</u>	<u>65</u>	<u>59</u>	<u>70</u>	<u>74</u>	<u>76</u>
TOTAL CENTRAL ELECTRIC	<u>2,096</u>	<u>1,994</u>	<u>1,926</u>	<u>1,602</u>	<u>1,773</u>	<u>2,031</u>	<u>2,170</u>	<u>2,085</u>	<u>1,849</u>	<u>1,662</u>	<u>1,980</u>	<u>2,090</u>	<u>2,170</u>
Total System:	2,896	2,756	2,733	2,379	2,689	2,941	3,129	3,020	2,802	2,453	2,794	2,878	3,129
Total System Losses:	<u>121</u>	<u>115</u>	<u>114</u>	<u>98</u>	<u>112</u>	<u>126</u>	<u>132</u>	<u>128</u>	<u>118</u>	<u>102</u>	<u>116</u>	<u>121</u>	<u>132</u>
Territorial Sales	3,017	2,871	2,847	2,477	2,801	3,067	3,261	3,148	2,920	2,555	2,910	2,999	3,261
Woodland Hills													0
Other Central Substations													0
Territorial Load	3,017	2,871	2,847	2,477	2,801	3,067	3,261	3,148	2,920	2,555	2,910	2,999	3,261
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Requirements	3,017	2,871	2,847	2,477	2,801	3,067	3,261	3,148	2,920	2,555	2,910	2,999	3,261

SANTEE COOPER DEMAND FORECAST
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Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	680	650	549	501	612	752	793	763	679	510	554	669	793
Less: DSM Projections	42	42	0	0	0	22	23	23	23	0	0	43	23
Distribution Losses	15	15	13	12	15	18	18	18	16	12	13	15	18
Transmission Losses	<u>24</u>	<u>23</u>	<u>21</u>	<u>19</u>	<u>23</u>	<u>27</u>	<u>29</u>	<u>28</u>	<u>25</u>	<u>19</u>	<u>21</u>	<u>23</u>	<u>29</u>
TOTAL DISTRIBUTION	677	646	583	532	650	775	817	786	697	541	588	664	817
Industrial (including Military):													
Total Industrial	202	193	299	307	341	220	232	236	332	315	302	203	232
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>9</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>8</u>
TOTAL INDUSTRIAL	209	200	310	318	353	228	240	245	344	326	313	210	240
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	52	50	44	40	44	52	53	52	48	39	44	51	53
Transmission Losses	<u>2</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>
TOTAL MUNICIPALS	54	52	46	41	46	54	55	54	50	40	46	53	55
Central Electric:													
Peak	2,283	2,181	1,924	1,597	1,767	2,116	2,256	2,171	1,934	1,655	1,978	2,279	2,256
Less: DSM Projections	187	187	0	0	0	92	92	93	93	0	0	189	92
Transmission Losses	<u>77</u>	<u>73</u>	<u>70</u>	<u>58</u>	<u>64</u>	<u>74</u>	<u>79</u>	<u>76</u>	<u>67</u>	<u>60</u>	<u>72</u>	<u>76</u>	<u>79</u>
TOTAL CENTRAL ELECTRIC	<u>2,173</u>	<u>2,067</u>	<u>1,994</u>	<u>1,655</u>	<u>1,831</u>	<u>2,098</u>	<u>2,243</u>	<u>2,154</u>	<u>1,908</u>	<u>1,715</u>	<u>2,050</u>	<u>2,166</u>	<u>2,243</u>
Total System:	2,988	2,845	2,816	2,445	2,764	3,026	3,219	3,106	2,877	2,519	2,878	2,970	3,219
Total System Losses:	<u>125</u>	<u>120</u>	<u>117</u>	<u>101</u>	<u>116</u>	<u>129</u>	<u>136</u>	<u>133</u>	<u>122</u>	<u>103</u>	<u>119</u>	<u>123</u>	<u>136</u>
Territorial Sales	3,113	2,965	2,933	2,546	2,880	3,155	3,355	3,239	2,999	2,622	2,997	3,093	3,355
Woodland Hills													0
Other Central Substations													0
Territorial Load	3,113	2,965	2,933	2,546	2,880	3,155	3,355	3,239	2,999	2,622	2,997	3,093	3,355
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Requirements	3,113	2,965	2,933	2,546	2,880	3,155	3,355	3,239	2,999	2,622	2,997	3,093	3,355

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Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	700	669	565	513	628	771	814	783	696	524	570	687	814
Less: DSM Projections	45	45	0	0	0	24	24	24	24	0	0	46	24
Distribution Losses	16	15	14	12	15	18	19	18	16	13	14	15	19
Transmission Losses	<u>24</u>	<u>23</u>	<u>21</u>	<u>19</u>	<u>23</u>	<u>28</u>	<u>30</u>	<u>28</u>	<u>25</u>	<u>20</u>	<u>21</u>	<u>24</u>	<u>30</u>
TOTAL DISTRIBUTION	695	662	600	544	666	793	839	805	713	557	605	680	839
Industrial (including Military):													
Total Industrial	203	194	300	309	342	221	233	237	334	317	304	205	233
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>12</u>	<u>12</u>	<u>11</u>	<u>7</u>	<u>9</u>
TOTAL INDUSTRIAL	210	201	311	320	354	229	242	246	346	329	315	212	242
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	54	52	45	41	45	53	55	53	48	40	45	53	55
Transmission Losses	<u>2</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>
TOTAL MUNICIPALS	56	54	47	42	47	55	57	55	50	41	47	55	57
Central Electric:													
Peak	2,368	2,263	1,993	1,649	1,824	2,187	2,333	2,244	1,998	1,710	2,048	2,362	2,333
Less: DSM Projections	195	196	0	0	0	97	97	97	97	0	0	197	97
Transmission Losses	<u>79</u>	<u>75</u>	<u>73</u>	<u>60</u>	<u>67</u>	<u>76</u>	<u>82</u>	<u>78</u>	<u>69</u>	<u>62</u>	<u>75</u>	<u>79</u>	<u>82</u>
TOTAL CENTRAL ELECTRIC	<u>2,252</u>	<u>2,142</u>	<u>2,066</u>	<u>1,709</u>	<u>1,891</u>	<u>2,166</u>	<u>2,318</u>	<u>2,225</u>	<u>1,970</u>	<u>1,772</u>	<u>2,123</u>	<u>2,244</u>	<u>2,318</u>
Total System:	3,085	2,937	2,903	2,512	2,839	3,111	3,314	3,196	2,955	2,591	2,967	3,064	3,314
Total System Losses:	<u>128</u>	<u>122</u>	<u>121</u>	<u>103</u>	<u>119</u>	<u>132</u>	<u>142</u>	<u>135</u>	<u>124</u>	<u>108</u>	<u>123</u>	<u>127</u>	<u>142</u>
Territorial Sales	3,213	3,059	3,024	2,615	2,958	3,243	3,456	3,331	3,079	2,699	3,090	3,191	3,456
Woodland Hills													0
Other Central Substations													0
Territorial Load	3,213	3,059	3,024	2,615	2,958	3,243	3,456	3,331	3,079	2,699	3,090	3,191	3,456
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Requirements	3,213	3,059	3,024	2,615	2,958	3,243	3,456	3,331	3,079	2,699	3,090	3,191	3,456

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Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	719	687	580	526	642	791	834	802	713	537	585	706	834
Less: DSM Projections	48	48	0	0	0	25	25	26	26	0	0	49	25
Distribution Losses	16	15	14	13	15	18	19	19	16	13	14	16	19
Transmission Losses	<u>25</u>	<u>24</u>	<u>22</u>	<u>20</u>	<u>24</u>	<u>29</u>	<u>30</u>	<u>29</u>	<u>26</u>	<u>20</u>	<u>22</u>	<u>25</u>	<u>30</u>
TOTAL DISTRIBUTION	712	678	616	559	681	813	858	824	729	570	621	698	858
Industrial (including Military):													
Total Industrial	204	195	302	311	344	223	234	238	336	319	306	206	234
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>13</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>12</u>	<u>12</u>	<u>11</u>	<u>8</u>	<u>9</u>
TOTAL INDUSTRIAL	211	202	313	322	357	231	243	247	348	331	317	214	243
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	56	53	47	42	46	54	56	54	49	41	47	55	56
Transmission Losses	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>
TOTAL MUNICIPALS	58	55	49	44	48	56	58	56	51	42	49	57	58
Central Electric:													
Peak	2,456	2,348	2,065	1,703	1,883	2,261	2,413	2,318	2,064	1,765	2,120	2,449	2,413
Less: DSM Projections	203	204	0	0	0	101	101	101	101	0	0	205	101
Transmission Losses	<u>82</u>	<u>78</u>	<u>75</u>	<u>62</u>	<u>69</u>	<u>79</u>	<u>84</u>	<u>81</u>	<u>72</u>	<u>64</u>	<u>77</u>	<u>82</u>	<u>84</u>
TOTAL CENTRAL ELECTRIC	<u>2,335</u>	<u>2,222</u>	<u>2,140</u>	<u>1,765</u>	<u>1,952</u>	<u>2,239</u>	<u>2,396</u>	<u>2,298</u>	<u>2,035</u>	<u>1,829</u>	<u>2,197</u>	<u>2,326</u>	<u>2,396</u>
Total System:	3,184	3,031	2,994	2,582	2,915	3,203	3,411	3,285	3,035	2,662	3,058	3,162	3,411
Total System Losses:	<u>132</u>	<u>126</u>	<u>124</u>	<u>108</u>	<u>123</u>	<u>136</u>	<u>144</u>	<u>140</u>	<u>128</u>	<u>110</u>	<u>126</u>	<u>133</u>	<u>144</u>
Territorial Sales	3,316	3,157	3,118	2,690	3,038	3,339	3,555	3,425	3,163	2,772	3,184	3,295	3,555
Woodland Hills													0
Other Central Substations													0
Territorial Load	3,316	3,157	3,118	2,690	3,038	3,339	3,555	3,425	3,163	2,772	3,184	3,295	3,555
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Requirements	3,316	3,157	3,118	2,690	3,038	3,339	3,555	3,425	3,163	2,772	3,184	3,295	3,555

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	739	706	595	539	658	809	855	822	730	549	599	724	855
Less: DSM Projections	51	51	0	0	0	27	27	27	27	0	0	52	27
Distribution Losses	17	16	14	13	16	19	20	19	17	13	14	16	20
Transmission Losses	<u>26</u>	<u>24</u>	<u>22</u>	<u>20</u>	<u>25</u>	<u>29</u>	<u>31</u>	<u>30</u>	<u>26</u>	<u>21</u>	<u>22</u>	<u>25</u>	<u>31</u>
TOTAL DISTRIBUTION	731	695	631	572	699	830	879	844	746	583	635	713	879
Industrial (including Military):													
Total Industrial	205	196	303	312	346	224	236	240	337	320	307	207	236
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>13</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>12</u>	<u>12</u>	<u>11</u>	<u>8</u>	<u>9</u>
TOTAL INDUSTRIAL	212	203	314	323	359	232	245	249	349	332	318	215	245
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	57	55	48	42	47	55	57	56	50	42	48	56	57
Transmission Losses	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>
TOTAL MUNICIPALS	59	57	50	44	49	57	59	58	52	44	50	58	59
Central Electric:													
Peak	2,547	2,434	2,138	1,759	1,943	2,337	2,494	2,396	2,131	1,823	2,196	2,539	2,494
Less: DSM Projections	211	211	0	0	0	105	105	105	106	0	0	213	105
Transmission Losses	<u>85</u>	<u>81</u>	<u>78</u>	<u>64</u>	<u>71</u>	<u>81</u>	<u>87</u>	<u>84</u>	<u>74</u>	<u>67</u>	<u>80</u>	<u>85</u>	<u>87</u>
TOTAL CENTRAL ELECTRIC	<u>2,421</u>	<u>2,304</u>	<u>2,216</u>	<u>1,823</u>	<u>2,014</u>	<u>2,313</u>	<u>2,476</u>	<u>2,375</u>	<u>2,099</u>	<u>1,890</u>	<u>2,276</u>	<u>2,411</u>	<u>2,476</u>
Total System:	3,286	3,129	3,084	2,652	2,994	3,293	3,510	3,382	3,115	2,734	3,150	3,261	3,510
Total System Losses:	<u>137</u>	<u>130</u>	<u>127</u>	<u>110</u>	<u>127</u>	<u>139</u>	<u>149</u>	<u>144</u>	<u>131</u>	<u>115</u>	<u>129</u>	<u>136</u>	<u>149</u>
Territorial Sales	3,423	3,259	3,211	2,762	3,121	3,432	3,659	3,526	3,246	2,849	3,279	3,397	3,659
Woodland Hills													0
Other Central Substations													0
Territorial Load	3,423	3,259	3,211	2,762	3,121	3,432	3,659	3,526	3,246	2,849	3,279	3,397	3,659
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Requirements	3,423	3,259	3,211	2,762	3,121	3,432	3,659	3,526	3,246	2,849	3,279	3,397	3,659

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	758	724	610	551	673	829	875	841	748	562	615	743	875
Less: DSM Projections	54	54	0	0	0	28	28	28	28	0	0	55	28
Distribution Losses	17	16	15	13	16	19	20	20	17	13	15	17	20
Transmission Losses	<u>26</u>	<u>25</u>	<u>23</u>	<u>21</u>	<u>25</u>	<u>30</u>	<u>32</u>	<u>30</u>	<u>27</u>	<u>21</u>	<u>23</u>	<u>26</u>	<u>32</u>
TOTAL DISTRIBUTION	747	711	648	585	714	850	899	863	764	596	653	731	899
Industrial (including Military):													
Total Industrial	207	197	305	314	348	225	237	241	339	322	309	208	237
Transmission Losses	<u>8</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>13</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>12</u>	<u>12</u>	<u>11</u>	<u>8</u>	<u>9</u>
TOTAL INDUSTRIAL	215	204	316	325	361	233	246	250	351	334	320	216	246
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	59	56	49	43	48	56	58	57	51	43	49	58	58
Transmission Losses	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>
TOTAL MUNICIPALS	61	58	51	45	50	58	60	59	53	45	51	60	60
Central Electric:													
Peak	2,642	2,525	2,214	1,816	2,006	2,416	2,578	2,476	2,201	1,882	2,274	2,632	2,578
Less: DSM Projections	219	219	0	0	0	110	110	110	110	0	0	221	110
Transmission Losses	<u>88</u>	<u>84</u>	<u>81</u>	<u>66</u>	<u>73</u>	<u>84</u>	<u>90</u>	<u>86</u>	<u>76</u>	<u>69</u>	<u>83</u>	<u>88</u>	<u>90</u>
TOTAL CENTRAL ELECTRIC	<u>2,511</u>	<u>2,390</u>	<u>2,295</u>	<u>1,882</u>	<u>2,079</u>	<u>2,390</u>	<u>2,558</u>	<u>2,452</u>	<u>2,167</u>	<u>1,951</u>	<u>2,357</u>	<u>2,499</u>	<u>2,558</u>
Total System:	3,393	3,229	3,178	2,724	3,075	3,388	3,610	3,477	3,201	2,809	3,247	3,365	3,610
Total System Losses:	<u>141</u>	<u>134</u>	<u>132</u>	<u>113</u>	<u>129</u>	<u>143</u>	<u>153</u>	<u>147</u>	<u>134</u>	<u>117</u>	<u>134</u>	<u>141</u>	<u>153</u>
Territorial Sales	3,534	3,363	3,310	2,837	3,204	3,531	3,763	3,624	3,335	2,926	3,381	3,506	3,763
Woodland Hills													0
Other Central Substations													0
Territorial Load	3,534	3,363	3,310	2,837	3,204	3,531	3,763	3,624	3,335	2,926	3,381	3,506	3,763
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Load Requirements	3,534	3,363	3,310	2,837	3,204	3,531	3,763	3,624	3,335	2,926	3,381	3,506	3,763

SANTEE COOPER DEMAND FORECAST
Calendar Year 2010 – (MW)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	778	743	626	564	689	848	896	861	764	575	630	762	896
Less: DSM Projections	57	57	0	0	0	30	30	30	30	0	0	58	30
Distribution Losses	17	16	15	14	17	20	21	20	18	14	15	17	21
Transmission Losses	<u>27</u>	<u>26</u>	<u>23</u>	<u>21</u>	<u>26</u>	<u>31</u>	<u>32</u>	<u>31</u>	<u>27</u>	<u>21</u>	<u>24</u>	<u>26</u>	<u>32</u>
TOTAL DISTRIBUTION	765	728	664	599	732	869	919	882	779	610	669	747	919
Industrial (including Military):													
Total Industrial	208	198	306	316	350	226	238	242	341	324	311	209	238
Transmission Losses	<u>8</u>	<u>7</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>12</u>	<u>12</u>	<u>11</u>	<u>8</u>	<u>9</u>
TOTAL INDUSTRIAL	216	205	317	328	363	234	247	251	353	336	322	217	247
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	61	58	51	44	49	57	59	58	52	44	50	59	59
Transmission Losses	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>
TOTAL MUNICIPALS	63	60	53	46	51	59	61	60	54	46	52	61	61
Central Electric:													
Peak	2,740	2,619	2,294	1,876	2,071	2,497	2,665	2,559	2,274	1,944	2,354	2,728	2,665
Less: DSM Projections	227	227	0	0	0	114	114	114	114	0	0	229	114
Transmission Losses	<u>92</u>	<u>87</u>	<u>84</u>	<u>68</u>	<u>76</u>	<u>87</u>	<u>93</u>	<u>89</u>	<u>79</u>	<u>71</u>	<u>86</u>	<u>91</u>	<u>93</u>
TOTAL CENTRAL ELECTRIC	<u>2,605</u>	<u>2,479</u>	<u>2,378</u>	<u>1,944</u>	<u>2,147</u>	<u>2,470</u>	<u>2,644</u>	<u>2,534</u>	<u>2,239</u>	<u>2,015</u>	<u>2,440</u>	<u>2,590</u>	<u>2,644</u>
Total System:	3,503	3,334	3,277	2,800	3,159	3,484	3,714	3,576	3,287	2,887	3,345	3,471	3,714
Total System Losses:	<u>146</u>	<u>138</u>	<u>135</u>	<u>117</u>	<u>134</u>	<u>148</u>	<u>157</u>	<u>151</u>	<u>138</u>	<u>120</u>	<u>138</u>	<u>144</u>	<u>157</u>
Territorial Sales	3,649	3,472	3,412	2,917	3,293	3,632	3,871	3,727	3,425	3,007	3,483	3,615	3,871
Woodland Hills													0
Other Central Substations													0
Territorial Load	3,649	3,472	3,412	2,917	3,293	3,632	3,871	3,727	3,425	3,007	3,483	3,615	3,871
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Requirements	3,649	3,472	3,412	2,917	3,293	3,632	3,871	3,727	3,425	3,007	3,483	3,615	3,871

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Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	798	762	641	577	705	868	916	881	783	589	646	782	916
Less: DSM Projections	59	59	0	0	0	31	31	31	31	0	0	60	31
Distribution Losses	18	17	15	14	17	20	21	20	18	14	16	17	21
Transmission Losses	<u>28</u>	<u>26</u>	<u>24</u>	<u>22</u>	<u>26</u>	<u>31</u>	<u>33</u>	<u>32</u>	<u>28</u>	<u>22</u>	<u>24</u>	<u>27</u>	<u>33</u>
TOTAL DISTRIBUTION	785	746	680	613	748	888	939	902	798	625	686	766	939
Industrial (including Military):													
Total Industrial	209	199	308	317	351	227	240	244	342	325	312	210	240
Transmission Losses	<u>8</u>	<u>7</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>12</u>	<u>12</u>	<u>11</u>	<u>8</u>	<u>9</u>
TOTAL INDUSTRIAL	217	206	319	329	364	235	249	253	354	337	323	218	249
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	62	60	52	45	49	58	60	59	53	44	52	61	60
Transmission Losses	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>
TOTAL MUNICIPALS	64	62	54	47	51	60	62	61	55	46	54	63	62
Central Electric:													
Peak	2,842	2,716	2,376	1,938	2,138	2,582	2,756	2,645	2,349	2,008	2,438	2,828	2,756
Less: DSM Projections	235	235	0	0	0	118	118	118	118	0	0	237	118
Transmission Losses	<u>95</u>	<u>91</u>	<u>87</u>	<u>71</u>	<u>78</u>	<u>90</u>	<u>96</u>	<u>92</u>	<u>81</u>	<u>73</u>	<u>89</u>	<u>95</u>	<u>96</u>
TOTAL CENTRAL ELECTRIC	<u>2,702</u>	<u>2,572</u>	<u>2,463</u>	<u>2,009</u>	<u>2,216</u>	<u>2,554</u>	<u>2,734</u>	<u>2,619</u>	<u>2,312</u>	<u>2,081</u>	<u>2,527</u>	<u>2,686</u>	<u>2,734</u>
Total System:	3,617	3,443	3,377	2,877	3,243	3,586	3,823	3,680	3,378	2,966	3,448	3,584	3,823
Total System Losses:	<u>151</u>	<u>143</u>	<u>139</u>	<u>121</u>	<u>136</u>	<u>151</u>	<u>161</u>	<u>155</u>	<u>141</u>	<u>123</u>	<u>142</u>	<u>149</u>	<u>161</u>
Territorial Sales	3,768	3,586	3,516	2,998	3,379	3,737	3,984	3,835	3,519	3,089	3,590	3,733	3,984
Woodland Hills													0
Other Central Substations													0
Territorial Load	3,768	3,586	3,516	2,998	3,379	3,737	3,984	3,835	3,519	3,089	3,590	3,733	3,984
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Load Requirements	3,768	3,586	3,516	2,998	3,379	3,737	3,984	3,835	3,519	3,089	3,590	3,733	3,984

SANTEE COOPER DEMAND FORECAST
Calendar Year 2012 – (MW)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	819	782	657	590	720	888	938	902	800	601	662	801	938
Less: DSM Projections	62	62	0	0	0	33	33	33	33	0	0	63	33
Distribution Losses	18	17	16	14	17	21	22	21	18	14	16	18	22
Transmission Losses	<u>28</u>	<u>27</u>	<u>25</u>	<u>22</u>	<u>27</u>	<u>32</u>	<u>34</u>	<u>32</u>	<u>29</u>	<u>22</u>	<u>25</u>	<u>28</u>	<u>34</u>
TOTAL DISTRIBUTION	803	764	698	626	764	908	961	922	814	637	703	784	961
Industrial (including Military):													
Total Industrial	210	200	309	319	353	228	241	245	344	327	314	211	241
Transmission Losses	<u>8</u>	<u>7</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>13</u>	<u>12</u>	<u>11</u>	<u>8</u>	<u>9</u>
TOTAL INDUSTRIAL	218	207	320	331	366	236	250	254	357	339	325	219	250
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	64	61	53	46	50	59	61	60	54	45	53	63	61
Transmission Losses	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>
TOTAL MUNICIPALS	66	63	55	48	52	61	63	62	56	47	55	65	63
Central Electric:													
Peak	2,947	2,816	2,460	2,001	2,208	2,668	2,848	2,734	2,426	2,074	2,524	2,931	2,848
Less: DSM Projections	243	243	0	0	0	123	123	123	123	0	0	245	123
Transmission Losses	<u>99</u>	<u>94</u>	<u>90</u>	<u>73</u>	<u>81</u>	<u>93</u>	<u>99</u>	<u>95</u>	<u>84</u>	<u>76</u>	<u>92</u>	<u>98</u>	<u>99</u>
TOTAL CENTRAL ELECTRIC	<u>2,803</u>	<u>2,667</u>	<u>2,550</u>	<u>2,074</u>	<u>2,289</u>	<u>2,638</u>	<u>2,824</u>	<u>2,706</u>	<u>2,387</u>	<u>2,150</u>	<u>2,616</u>	<u>2,784</u>	<u>2,824</u>
Total System:	3,735	3,554	3,479	2,956	3,331	3,687	3,932	3,785	3,468	3,047	3,553	3,698	3,932
Total System Losses:	<u>155</u>	<u>147</u>	<u>144</u>	<u>123</u>	<u>140</u>	<u>156</u>	<u>166</u>	<u>159</u>	<u>146</u>	<u>126</u>	<u>146</u>	<u>154</u>	<u>166</u>
Territorial Sales	3,890	3,701	3,623	3,079	3,471	3,843	4,098	3,944	3,614	3,173	3,699	3,852	4,098
Woodland Hills													0
Other Central Substations													0
Territorial Load	3,890	3,701	3,623	3,079	3,471	3,843	4,098	3,944	3,614	3,173	3,699	3,852	4,098
Off-System Peak:													<u>0</u>
NCEMPA													<u>0</u>
Total Off-System Peak	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Load Requirements	3,890	3,701	3,623	3,079	3,471	3,843	4,098	3,944	3,614	3,173	3,699	3,852	4,098

APPENDIX B
HIGH CASE TABLES

SANTEE COOPER ENERGY FORECAST – HIGH
Summary Table – (GWH)

Final

	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>
Residential:																				
Total Residential	1,293	1,370	1,443	1,514	1,585	1,655	1,726	1,799	1,872	1,946	2,021	2,097	2,175	2,254	2,334	2,415	2,498	2,583	2,669	2,758
Distribution Losses	<u>31</u>	<u>33</u>	<u>35</u>	<u>36</u>	<u>38</u>	<u>40</u>	<u>41</u>	<u>43</u>	<u>45</u>	<u>47</u>	<u>49</u>	<u>50</u>	<u>52</u>	<u>54</u>	<u>56</u>	<u>58</u>	<u>60</u>	<u>62</u>	<u>64</u>	<u>66</u>
Residential Sales	1,324	1,403	1,478	1,550	1,623	1,695	1,767	1,842	1,917	1,993	2,070	2,147	2,227	2,308	2,390	2,473	2,558	2,645	2,733	2,824
Transmission Losses	38	41	43	45	47	49	51	53	56	58	60	62	65	67	69	72	74	77	79	82
Commercial:																				
Commercial	1,228	1,301	1,353	1,397	1,437	1,477	1,516	1,554	1,593	1,631	1,669	1,707	1,745	1,783	1,821	1,859	1,897	1,934	1,973	2,012
Distribution Losses	<u>29</u>	<u>31</u>	<u>32</u>	<u>34</u>	<u>34</u>	<u>35</u>	<u>36</u>	<u>37</u>	<u>38</u>	<u>39</u>	<u>40</u>	<u>41</u>	<u>42</u>	<u>43</u>	<u>44</u>	<u>45</u>	<u>46</u>	<u>46</u>	<u>47</u>	<u>48</u>
Commercial Sales	1,257	1,332	1,385	1,431	1,471	1,512	1,552	1,591	1,631	1,670	1,709	1,748	1,787	1,826	1,865	1,904	1,943	1,980	2,020	2,060
Transmission Losses	36	39	40	41	43	44	45	46	47	48	50	51	52	53	54	55	56	57	59	60
Industrial:																				
Total Industrial	2,937	2,784	2,547	2,457	2,419	2,432	2,446	2,459	2,473	2,486	2,500	2,514	2,527	2,541	2,555	2,569	2,582	2,596	2,610	2,624
Transmission Losses	85	81	74	71	70	71	71	71	72	72	73	73	73	74	74	74	75	75	76	76
Alumax:																				
Alumax	2,630	2,630	2,630	2,630	2,630	2,630	2,630	2,630	652	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	76	76	76	76	76	76	76	76	19	0	0	0	0	0	0	0	0	0	0	0
Municipals:																				
Municipals	206	219	228	237	245	253	261	269	277	285	293	301	309	317	326	334	342	351	360	369
Transmission Losses	6	6	7	7	7	7	8	8	8	8	8	9	9	9	9	10	10	10	10	11
Central Electric:																				
Total Central Electric	7,392	7,729	8,073	8,342	8,638	8,945	9,275	9,560	9,856	10,217	10,589	11,175	11,578	11,996	12,429	12,880	13,348	13,835	14,341	14,865
Transmission Losses	214	224	234	242	250	259	269	277	286	296	307	324	336	348	360	374	387	401	416	431
Total Energy Sales	15,686	16,033	16,274	16,577	16,954	17,392	17,854	18,293	18,671	18,565	17,072	17,794	18,334	18,891	19,465	20,057	20,667	21,299	21,953	22,628
Total Distribution Losses	60	64	67	70	72	75	77	80	83	86	89	91	94	97	100	103	106	108	111	114
Total Transmission Losses	<u>455</u>	<u>467</u>	<u>474</u>	<u>482</u>	<u>493</u>	<u>506</u>	<u>520</u>	<u>474</u>	<u>469</u>	<u>482</u>	<u>498</u>	<u>519</u>	<u>535</u>	<u>551</u>	<u>566</u>	<u>585</u>	<u>602</u>	<u>620</u>	<u>640</u>	<u>660</u>
Total Output to Lines	16,201	16,564	16,815	17,129	17,519	17,973	18,451	18,847	18,623	17,133	17,659	18,404	18,963	19,539	20,131	20,745	21,375	22,027	22,704	23,402
Woodland Hills	71	75	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Central Substations	<u>91</u>	<u>95</u>	<u>101</u>	<u>106</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Territorial Energy Off-System Sales:	16,039	16,394	16,639	17,023	17,519	17,973	18,451	18,847	18,623	17,133	17,659	18,404	18,963	19,539	20,131	20,745	21,375	22,027	22,704	23,402
NCEMPA	<u>54</u>	<u>70</u>	<u>70</u>	<u>70</u>	<u>70</u>	<u>35</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Off-System Sales	54	70	70	70	70	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	16,093	16,464	16,709	17,093	17,589	18,008	18,451	18,847	18,623	17,133	17,659	18,404	18,963	19,539	20,131	20,745	21,375	22,027	22,704	23,402

SANTEE COOPER ENERGY FORECAST – HIGH
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Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	151,732	153,245	98,775	64,351	58,543	94,417	140,834	157,855	124,812	74,419	66,425	107,517	1,292,925
Distribution Losses	<u>3,642</u>	<u>3,678</u>	<u>2,371</u>	<u>1,544</u>	<u>1,405</u>	<u>2,266</u>	<u>3,380</u>	<u>3,789</u>	<u>2,995</u>	<u>1,786</u>	<u>1,594</u>	<u>2,580</u>	<u>31,030</u>
Residential Sales	155,374	156,923	101,146	65,895	59,948	96,683	144,214	161,644	127,807	76,205	68,019	110,097	1,323,955
Transmission Losses	4,506	4,551	2,933	1,911	1,738	2,804	4,182	4,688	3,706	2,210	1,973	3,193	38,395
Commercial:													
Total Commercial	87,475	87,590	80,944	77,372	82,405	112,049	146,191	158,683	134,181	94,741	81,028	85,708	1,228,367
Distribution Losses	<u>2,099</u>	<u>2,102</u>	<u>1,943</u>	<u>1,857</u>	<u>1,978</u>	<u>2,689</u>	<u>3,509</u>	<u>3,808</u>	<u>3,220</u>	<u>2,274</u>	<u>1,945</u>	<u>2,057</u>	<u>29,481</u>
Commercial Sales	89,574	89,692	82,887	79,229	84,383	114,738	149,700	162,491	137,401	97,015	82,973	87,765	1,257,848
Transmission Losses	2,598	2,601	2,404	2,298	2,447	3,327	4,341	4,712	3,985	2,813	2,406	2,545	36,477
Industrial:													
Total Industrial	229,258	225,447	250,318	247,156	258,584	251,318	252,270	260,336	253,153	256,607	236,150	216,383	2,936,980
Transmission Losses	6,648	6,538	7,259	7,168	7,499	7,288	7,316	7,550	7,341	7,442	6,848	6,275	85,172
Alumax:													
Alumax	224,035	204,249	223,558	215,895	223,136	215,266	222,888	222,766	215,317	222,930	216,168	224,096	2,630,304
Transmission Losses	6,497	5,923	6,483	6,261	6,471	6,243	6,464	6,460	6,244	6,465	6,269	6,499	76,279
Municipals:													
Municipals	16,824	15,668	13,639	12,529	13,573	18,929	24,527	25,486	20,851	14,803	13,648	15,972	206,449
Transmission Losses	488	454	396	363	394	549	711	739	605	429	396	463	5,987
Central Electric:													
Total Central Electric	783,652	643,120	507,435	435,748	497,298	671,293	811,436	768,867	602,052	455,085	508,584	707,498	7,392,068
Transmission Losses	22,726	18,650	14,716	12,637	14,422	19,467	23,532	22,297	17,460	13,197	14,749	20,517	214,370
Total Energy Sales	1,492,976	1,329,319	1,174,669	1,053,051	1,133,539	1,363,272	1,598,146	1,593,993	1,350,366	1,118,585	1,122,003	1,357,174	15,687,093
Total Distribution Losses	5,741	5,780	4,314	3,401	3,383	4,955	6,889	7,597	6,215	4,060	3,539	4,637	60,511
Total Transmission Losses	<u>43,463</u>	<u>38,717</u>	<u>34,191</u>	<u>30,638</u>	<u>32,971</u>	<u>39,678</u>	<u>46,546</u>	<u>46,446</u>	<u>39,341</u>	<u>32,556</u>	<u>32,641</u>	<u>39,492</u>	<u>456,680</u>
Total Output to Lines	1,542,180	1,373,816	1,213,174	1,087,090	1,169,893	1,407,905	1,651,581	1,648,036	1,395,922	1,155,201	1,158,183	1,401,303	16,204,284
Woodland Hills	6,256	5,248	5,281	4,759	5,419	6,500	7,574	7,176	5,985	5,007	5,090	6,419	70,714
Other Central Substations	<u>8,526</u>	<u>7,188</u>	<u>6,916</u>	<u>5,710</u>	<u>6,504</u>	<u>7,863</u>	<u>9,741</u>	<u>9,174</u>	<u>7,369</u>	<u>6,316</u>	<u>6,637</u>	<u>6,600</u>	<u>90,544</u>
Territorial Energy	1,527,398	1,361,380	1,200,977	1,076,621	1,157,970	1,393,542	1,634,266	1,631,686	1,382,568	1,143,878	1,146,456	1,386,284	16,043,026
Off-System Sales:													
NCEMPA	<u>6,302</u>	<u>5,692</u>	<u>3,437</u>	<u>3,326</u>	<u>3,437</u>	<u>6,653</u>	<u>6,875</u>	<u>6,875</u>	<u>1,663</u>	<u>1,719</u>	<u>1,663</u>	<u>6,302</u>	<u>53,944</u>
Total Off-System Sales	6,302	5,692	3,437	3,326	3,437	6,653	6,875	6,875	1,663	1,719	1,663	6,302	53,944
Total Requirements	1,533,700	1,367,072	1,204,414	1,079,947	1,161,407	1,400,195	1,641,141	1,638,561	1,384,231	1,145,597	1,148,119	1,392,586	16,096,970

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Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	1,039	940	813	787	870	1,062	1,102	1,034	950	813	811	1,015	1,102
Less: DSM Projections	51	51	0	0	0	27	27	27	27	0	0	52	27
Distribution Losses	24	21	20	19	21	25	26	24	22	20	19	23	26
Transmission Losses	<u>37</u>	<u>33</u>	<u>30</u>	<u>29</u>	<u>33</u>	<u>39</u>	<u>40</u>	<u>38</u>	<u>34</u>	<u>30</u>	<u>30</u>	<u>36</u>	<u>40</u>
TOTAL DISTRIBUTION	1,049	943	863	835	924	1,099	1,141	1,069	979	863	860	1,022	1,141
Industrial (including Military):													
Total Industrial	205	196	303	312	346	224	236	240	337	320	307	207	236
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>13</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>12</u>	<u>12</u>	<u>11</u>	<u>8</u>	<u>9</u>
TOTAL INDUSTRIAL	212	203	314	323	359	232	245	249	349	332	318	215	245
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	80	70	62	57	61	73	73	71	64	57	64	75	73
Transmission Losses	<u>3</u>	<u>3</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>3</u>	<u>3</u>
TOTAL MUNICIPALS	83	73	64	59	63	76	76	74	66	59	66	78	76
Central Electric:													
Peak	3,447	3,107	2,765	2,231	2,587	3,033	3,234	3,041	2,827	2,333	2,868	3,336	3,234
Less: DSM Projections	211	211	0	0	0	105	105	105	106	0	0	213	105
Transmission Losses	<u>118</u>	<u>106</u>	<u>101</u>	<u>81</u>	<u>94</u>	<u>107</u>	<u>114</u>	<u>107</u>	<u>99</u>	<u>85</u>	<u>105</u>	<u>114</u>	<u>114</u>
TOTAL CENTRAL ELECTRIC	<u>3,354</u>	<u>3,002</u>	<u>2,866</u>	<u>2,312</u>	<u>2,681</u>	<u>3,035</u>	<u>3,243</u>	<u>3,043</u>	<u>2,820</u>	<u>2,418</u>	<u>2,973</u>	<u>3,237</u>	<u>3,243</u>
Total System:	4,509	4,051	3,943	3,387	3,864	4,260	4,513	4,254	4,045	3,523	4,050	4,368	4,513
Total System Losses:	<u>189</u>	<u>170</u>	<u>164</u>	<u>142</u>	<u>163</u>	<u>182</u>	<u>192</u>	<u>181</u>	<u>169</u>	<u>149</u>	<u>167</u>	<u>184</u>	<u>192</u>
Territorial Sales	4,698	4,221	4,107	3,529	4,027	4,442	4,705	4,435	4,214	3,672	4,217	4,552	4,705
Woodland Hills													0
Other Central Substations													0
Territorial Load	4,698	4,221	4,107	3,529	4,027	4,442	4,705	4,435	4,214	3,672	4,217	4,552	4,705
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Load Requirements	4,698	4,221	4,107	3,529	4,027	4,442	4,705	4,435	4,214	3,672	4,217	4,552	4,705

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Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	1,074	971	838	809	895	1,094	1,134	1,064	977	836	836	1,047	1,074
Less: DSM Projections	54	54	0	0	0	28	28	28	28	0	0	55	54
Distribution Losses	24	22	20	19	21	26	27	25	23	20	20	24	24
Transmission Losses	<u>38</u>	<u>34</u>	<u>31</u>	<u>30</u>	<u>33</u>	<u>40</u>	<u>41</u>	<u>39</u>	<u>35</u>	<u>31</u>	<u>31</u>	<u>37</u>	<u>38</u>
TOTAL DISTRIBUTION	1,082	973	889	858	949	1,132	1,174	1,100	1,007	887	887	1,053	1,082
Industrial (including Military):													
Total Industrial	207	197	305	314	348	225	237	241	339	322	309	208	207
Transmission Losses	<u>8</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>13</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>12</u>	<u>12</u>	<u>11</u>	<u>8</u>	<u>8</u>
TOTAL INDUSTRIAL	215	204	316	325	361	233	246	250	351	334	320	216	215
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	83	73	64	59	62	75	75	72	66	58	67	78	83
Transmission Losses	<u>3</u>	<u>3</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>3</u>	<u>3</u>
TOTAL MUNICIPALS	86	76	66	61	64	78	78	75	68	60	69	81	86
Central Electric:													
Peak	3,597	3,242	2,882	2,319	2,687	3,152	3,362	3,160	2,937	2,425	2,988	3,480	3,597
Less: DSM Projections	219	219	0	0	0	110	110	110	110	0	0	221	219
Transmission Losses	<u>123</u>	<u>110</u>	<u>105</u>	<u>85</u>	<u>98</u>	<u>111</u>	<u>119</u>	<u>111</u>	<u>103</u>	<u>89</u>	<u>109</u>	<u>119</u>	<u>123</u>
TOTAL CENTRAL ELECTRIC	<u>3,501</u>	<u>3,133</u>	<u>2,987</u>	<u>2,404</u>	<u>2,785</u>	<u>3,153</u>	<u>3,371</u>	<u>3,161</u>	<u>2,930</u>	<u>2,514</u>	<u>3,097</u>	<u>3,378</u>	<u>3,501</u>
Total System:	4,688	4,210	4,089	3,501	3,992	4,408	4,670	4,399	4,181	3,641	4,200	4,537	4,688
Total System Losses:	<u>196</u>	<u>176</u>	<u>169</u>	<u>147</u>	<u>167</u>	<u>188</u>	<u>199</u>	<u>187</u>	<u>175</u>	<u>154</u>	<u>173</u>	<u>191</u>	<u>196</u>
Territorial Sales	4,884	4,386	4,258	3,648	4,159	4,596	4,869	4,586	4,356	3,795	4,373	4,728	4,884
Woodland Hills													0
Other Central Substations													0
Territorial Load	4,884	4,386	4,258	3,648	4,159	4,596	4,869	4,586	4,356	3,795	4,373	4,728	4,884
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Requirements	4,884	4,386	4,258	3,648	4,159	4,596	4,869	4,586	4,356	3,795	4,373	4,728	4,884

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	1,109	1,002	865	832	920	1,125	1,167	1,095	1,005	860	863	1,080	1,109
Less: DSM Projections	57	57	0	0	0	30	30	30	30	0	0	58	57
Distribution Losses	25	23	21	20	22	26	27	26	23	21	21	25	25
Transmission Losses	<u>39</u>	<u>35</u>	<u>32</u>	<u>31</u>	<u>34</u>	<u>41</u>	<u>42</u>	<u>40</u>	<u>36</u>	<u>32</u>	<u>32</u>	<u>38</u>	<u>39</u>
TOTAL DISTRIBUTION	1,116	1,003	918	883	976	1,162	1,206	1,131	1,034	913	916	1,085	1,116
Industrial (including Military):													
Total Industrial	208	198	306	316	350	226	238	242	341	324	311	209	208
Transmission Losses	<u>8</u>	<u>7</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>12</u>	<u>12</u>	<u>11</u>	<u>8</u>	<u>8</u>
TOTAL INDUSTRIAL	216	205	317	328	363	234	247	251	353	336	322	217	216
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	86	76	66	60	64	77	77	74	67	60	69	80	86
Transmission Losses	<u>3</u>	<u>3</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>2</u>	<u>2</u>	<u>3</u>	<u>3</u>	<u>3</u>
TOTAL MUNICIPALS	89	79	68	62	66	80	80	77	69	62	72	83	89
Central Electric:													
Peak	3,754	3,383	3,004	2,410	2,791	3,277	3,495	3,284	3,052	2,519	3,114	3,630	3,754
Less: DSM Projections	227	227	0	0	0	114	114	114	114	0	0	229	227
Transmission Losses	<u>129</u>	<u>115</u>	<u>110</u>	<u>88</u>	<u>102</u>	<u>115</u>	<u>123</u>	<u>116</u>	<u>107</u>	<u>92</u>	<u>114</u>	<u>124</u>	<u>129</u>
TOTAL CENTRAL ELECTRIC	3,656	3,271	3,114	2,498	2,893	3,278	3,504	3,286	3,045	2,611	3,228	3,525	3,656
Total System:	4,873	4,375	4,241	3,618	4,125	4,561	4,833	4,551	4,321	3,763	4,357	4,712	4,873
Total System Losses:	<u>204</u>	<u>183</u>	<u>176</u>	<u>153</u>	<u>173</u>	<u>193</u>	<u>204</u>	<u>194</u>	<u>180</u>	<u>159</u>	<u>181</u>	<u>198</u>	<u>204</u>
Territorial Sales	5,077	4,558	4,417	3,771	4,298	4,754	5,037	4,745	4,501	3,922	4,538	4,910	5,077
Woodland Hills													0
Other Central Substations													0
Territorial Load	5,077	4,558	4,417	3,771	4,298	4,754	5,037	4,745	4,501	3,922	4,538	4,910	5,077
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Requirements	5,077	4,558	4,417	3,771	4,298	4,754	5,037	4,745	4,501	3,922	4,538	4,910	5,077

SANTEE COOPER DEMAND FORECAST – HIGH
Calendar Year 2011 – (MW)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	1,144	1,034	892	855	947	1,158	1,201	1,126	1,035	883	889	1,115	1,144
Less: DSM Projections	59	59	0	0	0	31	31	31	31	0	0	60	59
Distribution Losses	26	23	21	21	23	27	28	26	24	21	21	25	26
Transmission Losses	<u>41</u>	<u>36</u>	<u>33</u>	<u>32</u>	<u>35</u>	<u>42</u>	<u>44</u>	<u>41</u>	<u>38</u>	<u>33</u>	<u>33</u>	<u>39</u>	<u>41</u>
TOTAL DISTRIBUTION	1,152	1,034	946	908	1,005	1,196	1,242	1,162	1,066	937	943	1,119	1,152
Industrial (including Military):													
Total Industrial	209	199	308	317	351	227	240	244	342	325	312	210	209
Transmission Losses	<u>8</u>	<u>7</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>12</u>	<u>12</u>	<u>11</u>	<u>8</u>	<u>8</u>
TOTAL INDUSTRIAL	217	206	319	329	364	235	249	253	354	337	323	218	217
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	89	78	68	61	65	79	79	76	69	61	71	83	89
Transmission Losses	<u>3</u>	<u>3</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>2</u>	<u>3</u>	<u>3</u>	<u>3</u>
TOTAL MUNICIPALS	92	81	70	63	67	82	82	79	72	63	74	86	92
Central Electric:													
Peak	3,917	3,529	3,130	2,505	2,900	3,406	3,634	3,413	3,171	2,618	3,245	3,786	3,917
Less: DSM Projections	235	235	0	0	0	118	118	118	118	0	0	237	235
Transmission Losses	<u>134</u>	<u>120</u>	<u>114</u>	<u>91</u>	<u>106</u>	<u>120</u>	<u>128</u>	<u>120</u>	<u>111</u>	<u>96</u>	<u>118</u>	<u>130</u>	<u>134</u>
TOTAL CENTRAL ELECTRIC	3,816	3,414	3,244	2,596	3,006	3,408	3,644	3,415	3,164	2,714	3,363	3,679	3,816
Total System:	5,065	4,546	4,398	3,738	4,263	4,721	5,005	4,710	4,468	3,887	4,517	4,897	5,065
Total System Losses:	<u>212</u>	<u>189</u>	<u>181</u>	<u>158</u>	<u>179</u>	<u>200</u>	<u>212</u>	<u>199</u>	<u>188</u>	<u>164</u>	<u>186</u>	<u>205</u>	<u>212</u>
Territorial Sales	5,277	4,735	4,579	3,896	4,442	4,921	5,217	4,909	4,656	4,051	4,703	5,102	5,277
Woodland Hills													0
Other Central Substations													0
Territorial Load	5,277	4,735	4,579	3,896	4,442	4,921	5,217	4,909	4,656	4,051	4,703	5,102	5,277
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Requirements	5,277	4,735	4,579	3,896	4,442	4,921	5,217	4,909	4,656	4,051	4,703	5,102	5,277

SANTEE COOPER DEMAND FORECAST – HIGH
Calendar Year 2012 – (MW)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	1,180	1,066	919	879	974	1,192	1,236	1,159	1,064	908	916	1,150	1,180
Less: DSM Projections	62	62	0	0	0	33	33	33	33	0	0	63	62
Distribution Losses	27	24	22	21	23	28	29	27	25	22	22	26	27
Transmission Losses	<u>42</u>	<u>38</u>	<u>34</u>	<u>33</u>	<u>36</u>	<u>43</u>	<u>45</u>	<u>42</u>	<u>39</u>	<u>34</u>	<u>34</u>	<u>41</u>	<u>42</u>
TOTAL DISTRIBUTION	1,187	1,066	975	933	1,033	1,230	1,277	1,195	1,095	964	972	1,154	1,187
Industrial (including Military):													
Total Industrial	210	200	309	319	353	228	241	245	344	327	314	211	210
Transmission Losses	<u>8</u>	<u>7</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>13</u>	<u>12</u>	<u>11</u>	<u>8</u>	<u>8</u>
TOTAL INDUSTRIAL	218	207	320	331	366	236	250	254	357	339	325	219	218
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	92	81	70	63	67	81	81	78	71	62	73	86	92
Transmission Losses	<u>3</u>	<u>3</u>	<u>3</u>	<u>2</u>	<u>2</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>2</u>	<u>3</u>	<u>3</u>	<u>3</u>
TOTAL MUNICIPALS	95	84	73	65	69	84	84	81	74	64	76	89	95
Central Electric:													
Peak	4,088	3,682	3,262	2,603	3,011	3,540	3,776	3,546	3,294	2,720	3,379	3,947	4,088
Less: DSM Projections	243	243	0	0	0	123	123	123	123	0	0	245	243
Transmission Losses	<u>140</u>	<u>126</u>	<u>119</u>	<u>95</u>	<u>110</u>	<u>125</u>	<u>133</u>	<u>125</u>	<u>116</u>	<u>99</u>	<u>123</u>	<u>135</u>	<u>140</u>
TOTAL CENTRAL ELECTRIC	3,985	3,565	3,381	2,698	3,121	3,542	3,786	3,548	3,287	2,819	3,502	3,837	3,985
Total System:	5,265	4,724	4,560	3,864	4,405	4,885	5,178	4,872	4,617	4,017	4,682	5,086	5,265
Total System Losses:	<u>220</u>	<u>198</u>	<u>189</u>	<u>163</u>	<u>184</u>	<u>207</u>	<u>219</u>	<u>206</u>	<u>196</u>	<u>169</u>	<u>193</u>	<u>213</u>	<u>220</u>
Territorial Sales	5,485	4,922	4,749	4,027	4,589	5,092	5,397	5,078	4,813	4,186	4,875	5,299	5,485
Woodland Hills													0
Other Central Substations													0
Territorial Load	5,485	4,922	4,749	4,027	4,589	5,092	5,397	5,078	4,813	4,186	4,875	5,299	5,485
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Requirements	5,485	4,922	4,749	4,027	4,589	5,092	5,397	5,078	4,813	4,186	4,875	5,299	5,485

APPENDIX C
LOW CASE TABLES

SANTEE COOPER ENERGY FORECAST – LOW
Summary Table – (GWH)

Final

	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>
Residential:																				
Total Residential	875	910	940	969	996	1,022	1,048	1,073	1,098	1,122	1,146	1,170	1,193	1,217	1,240	1,263	1,285	1,307	1,330	1,353
Distribution Losses	<u>21</u>	<u>22</u>	<u>23</u>	<u>23</u>	<u>24</u>	<u>25</u>	<u>25</u>	<u>26</u>	<u>26</u>	<u>27</u>	<u>28</u>	<u>28</u>	<u>29</u>	<u>29</u>	<u>30</u>	<u>30</u>	<u>31</u>	<u>31</u>	<u>32</u>	<u>32</u>
Residential Sales	896	932	963	992	1,020	1,047	1,073	1,099	1,124	1,149	1,174	1,198	1,222	1,246	1,270	1,293	1,316	1,338	1,362	1,385
Transmission Losses	26	27	28	29	30	30	31	32	33	33	34	35	35	36	37	37	38	39	39	40
Commercial:																				
Commercial	1,044	1,087	1,112	1,129	1,143	1,155	1,166	1,177	1,187	1,196	1,204	1,211	1,219	1,225	1,231	1,237	1,241	1,246	1,250	1,255
Distribution Losses	<u>25</u>	<u>26</u>	<u>27</u>	<u>27</u>	<u>27</u>	<u>28</u>	<u>28</u>	<u>28</u>	<u>28</u>	<u>29</u>	<u>29</u>	<u>29</u>	<u>29</u>	<u>29</u>	<u>30</u>	<u>30</u>	<u>30</u>	<u>30</u>	<u>30</u>	<u>30</u>
Commercial Sales	1,069	1,113	1,139	1,156	1,170	1,183	1,194	1,205	1,215	1,225	1,233	1,240	1,248	1,254	1,261	1,267	1,271	1,276	1,280	1,285
Transmission Losses	31	32	33	34	34	34	35	35	35	36	36	36	36	36	37	37	37	37	37	37
Industrial:																				
Total Industrial	2,937	2,784	2,547	2,457	2,419	2,432	2,446	2,459	2,473	2,486	2,500	2,514	2,527	2,541	2,555	2,569	2,582	2,596	2,610	2,624
Transmission Losses	85	81	74	71	70	71	71	71	72	72	73	73	73	74	74	74	75	75	76	76
Alumax:																				
Alumax	2,630	2,630	2,630	2,630	2,630	2,630	2,630	652	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	76	76	76	76	76	76	76	19	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:																				
Municipals	171	178	183	186	190	192	195	198	200	203	205	207	210	212	214	216	218	219	221	223
Transmission Losses	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Central Electric:																				
Total Central Electric	5,870	6,045	6,217	6,315	6,435	6,548	6,672	6,743	6,815	6,941	7,069	7,399	7,535	7,674	7,816	7,962	8,112	8,266	8,424	8,586
Transmission Losses	170	175	180	183	187	190	193	196	198	201	205	215	219	223	227	231	235	240	244	249
Total Energy Sales	13,527	13,634	13,629	13,686	13,813	13,979	14,157	12,302	11,773	11,948	12,124	12,501	12,684	12,869	13,056	13,247	13,438	13,634	13,835	14,041
Total Distribution Losses	46	48	50	50	51	53	53	54	54	56	57	57	58	58	60	60	61	61	62	62
Total Transmission Losses	<u>393</u>	<u>396</u>	<u>396</u>	<u>398</u>	<u>402</u>	<u>407</u>	<u>412</u>	<u>359</u>	<u>344</u>	<u>348</u>	<u>354</u>	<u>365</u>	<u>369</u>	<u>375</u>	<u>381</u>	<u>385</u>	<u>391</u>	<u>397</u>	<u>402</u>	<u>408</u>
Total Output to Lines	13,966	14,078	14,075	14,134	14,266	14,439	14,622	12,715	12,171	12,352	12,535	12,923	13,111	13,302	13,497	13,692	13,890	14,092	14,299	14,511
Woodland Hills	71	75	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Central Substations	<u>91</u>	<u>95</u>	<u>101</u>	<u>106</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Territorial Energy	13,804	13,908	13,899	14,028	14,266	14,439	14,622	12,715	12,171	12,352	12,535	12,923	13,111	13,302	13,497	13,692	13,890	14,092	14,299	14,511
Off-System Sales:																				
NCEMPA	<u>54</u>	<u>70</u>	<u>70</u>	<u>70</u>	<u>70</u>	<u>35</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Off-System Sales	54	70	70	70	70	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	13,858	13,978	13,969	14,098	14,336	14,474	14,622	12,715	12,171	12,352	12,535	12,923	13,111	13,302	13,497	13,692	13,890	14,092	14,299	14,511

SANTEE COOPER ENERGY FORECAST – LOW
Calendar Year 1993 – (MWH)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	82,901	83,448	64,371	52,530	52,057	71,093	95,189	103,978	86,832	60,561	53,989	67,837	874,786
Distribution Losses	<u>1,990</u>	<u>2,003</u>	<u>1,545</u>	<u>1,261</u>	<u>1,249</u>	<u>1,706</u>	<u>2,285</u>	<u>2,495</u>	<u>2,084</u>	<u>1,453</u>	<u>1,296</u>	<u>1,628</u>	<u>20,995</u>
Residential Sales	84,891	85,451	65,916	53,791	53,306	72,799	97,474	106,473	88,916	62,014	55,285	69,465	895,781
Transmission Losses	2,462	2,478	1,912	1,560	1,546	2,111	2,827	3,088	2,579	1,798	1,603	2,014	25,978
Commercial:													
Total Commercial	78,577	78,656	76,242	75,054	77,705	91,848	108,259	114,354	102,735	84,082	77,449	79,163	1,044,124
Distribution Losses	<u>1,886</u>	<u>1,888</u>	<u>1,830</u>	<u>1,801</u>	<u>1,865</u>	<u>2,204</u>	<u>2,598</u>	<u>2,744</u>	<u>2,466</u>	<u>2,018</u>	<u>1,859</u>	<u>1,900</u>	<u>25,059</u>
Commercial Sales	80,463	80,544	78,072	76,855	79,570	94,052	110,857	117,098	105,201	86,100	79,308	81,063	1,069,183
Transmission Losses	2,333	2,336	2,264	2,229	2,308	2,728	3,215	3,396	3,051	2,497	2,300	2,351	31,008
Industrial:													
Total Industrial	229,258	225,447	250,318	247,156	258,584	251,318	252,270	260,336	253,153	256,607	236,150	216,383	2,936,980
Transmission Losses	6,648	6,538	7,259	7,168	7,499	7,288	7,316	7,550	7,341	7,442	6,848	6,275	85,172
Alumax:													
Alumax	224,035	204,249	223,558	215,895	223,136	215,266	222,888	222,766	215,317	222,930	216,168	224,096	2,630,304
Transmission Losses	6,497	5,923	6,483	6,261	6,471	6,243	6,464	6,460	6,244	6,465	6,269	6,499	76,279
Municipals:													
Municipals	13,540	13,142	12,429	12,071	12,652	15,296	18,050	18,503	16,230	13,288	12,614	13,428	171,243
Transmission Losses	393	381	360	350	367	444	523	537	471	385	366	389	4,966
Central Electric:													
Total Central Electric	530,006	480,850	437,538	414,115	446,579	524,335	590,709	573,268	497,347	424,526	438,281	512,765	5,870,319
Transmission Losses	15,370	13,945	12,689	12,009	12,951	15,206	17,131	16,625	14,423	12,311	12,710	14,870	170,240
Total Energy Sales	1,158,317	1,085,792	1,064,456	1,016,821	1,070,713	1,169,156	1,287,365	1,293,205	1,171,614	1,061,994	1,034,651	1,113,672	13,527,756
Total Distribution Losses	3,876	3,891	3,375	3,062	3,114	3,910	4,883	5,239	4,550	3,471	3,155	3,528	46,054
Total Transmission Losses	<u>33,703</u>	<u>31,601</u>	<u>30,967</u>	<u>29,577</u>	<u>31,142</u>	<u>34,020</u>	<u>37,476</u>	<u>37,656</u>	<u>34,109</u>	<u>30,898</u>	<u>30,096</u>	<u>32,398</u>	<u>393,643</u>
Total Output to Lines	1,195,896	1,121,284	1,098,798	1,049,460	1,104,969	1,207,086	1,329,724	1,336,100	1,210,273	1,096,363	1,067,902	1,149,598	13,967,453
Woodland Hills	6,256	5,248	5,281	4,759	5,419	6,500	7,574	7,176	5,985	5,007	5,090	6,419	70,714
Other Central Substations	<u>8,526</u>	<u>7,188</u>	<u>6,916</u>	<u>5,710</u>	<u>6,504</u>	<u>7,863</u>	<u>9,741</u>	<u>9,174</u>	<u>7,369</u>	<u>6,316</u>	<u>6,637</u>	<u>8,600</u>	<u>90,544</u>
Territorial Energy Off-System Sales:													
NCEMPA	<u>6,302</u>	<u>5,692</u>	<u>3,437</u>	<u>3,326</u>	<u>3,437</u>	<u>6,653</u>	<u>6,875</u>	<u>6,875</u>	<u>1,663</u>	<u>1,719</u>	<u>1,663</u>	<u>6,302</u>	<u>53,944</u>
Total Off-System Sales	6,302	5,692	3,437	3,326	3,437	6,653	6,875	6,875	1,663	1,719	1,663	6,302	53,944
Total Requirements	1,187,416	1,114,540	1,090,038	1,042,317	1,096,483	1,199,376	1,319,284	1,326,625	1,198,582	1,086,759	1,057,838	1,140,881	13,860,139

SANTEE COOPER ENERGY FORECAST – LOW
Calendar Year 1994 – (MWH)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	86,513	87,078	67,046	54,577	54,038	73,919	99,065	108,187	90,216	62,746	55,862	70,284	909,531
Distribution Losses	<u>2,076</u>	<u>2,090</u>	<u>1,609</u>	<u>1,310</u>	<u>1,297</u>	<u>1,774</u>	<u>2,378</u>	<u>2,596</u>	<u>2,165</u>	<u>1,506</u>	<u>1,341</u>	<u>1,687</u>	<u>21,829</u>
Residential Sales	88,589	89,168	68,655	55,887	55,335	75,693	101,443	110,783	92,381	64,252	57,203	71,971	931,360
Transmission Losses	2,569	2,586	1,991	1,621	1,605	2,195	2,942	3,213	2,679	1,863	1,659	2,087	27,010
Commercial:													
Total Commercial	82,120	82,434	80,015	78,542	81,168	95,834	112,872	118,904	106,561	87,021	80,013	81,680	1,087,164
Distribution Losses	<u>1,971</u>	<u>1,978</u>	<u>1,920</u>	<u>1,885</u>	<u>1,948</u>	<u>2,300</u>	<u>2,709</u>	<u>2,854</u>	<u>2,557</u>	<u>2,089</u>	<u>1,920</u>	<u>1,960</u>	<u>26,091</u>
Commercial Sales	84,091	84,412	81,935	80,427	83,116	98,134	115,581	121,758	109,118	89,110	81,933	83,640	1,113,255
Transmission Losses	2,439	2,448	2,376	2,332	2,410	2,846	3,352	3,531	3,164	2,584	2,376	2,426	32,284
Industrial:													
Total Industrial	214,521	212,038	235,683	232,674	243,600	239,431	240,020	248,269	240,954	244,610	224,600	207,614	2,784,014
Transmission Losses	6,221	6,149	6,835	6,748	7,064	6,943	6,961	7,200	6,988	7,094	6,513	6,021	80,737
Alumax:													
Alumax	224,035	204,249	223,558	215,895	223,136	215,266	222,888	222,766	215,317	222,930	216,168	224,096	2,630,304
Transmission Losses	6,497	5,923	6,483	6,261	6,471	6,243	6,464	6,460	6,244	6,465	6,269	6,499	76,279
Municipals:													
Municipals	14,175	13,772	13,023	12,610	13,196	15,946	18,808	19,237	16,831	13,748	13,039	13,885	178,270
Transmission Losses	411	399	378	366	383	462	545	558	488	399	378	403	5,170
Central Electric:													
Total Central Electric	545,994	494,915	450,420	426,350	459,561	538,830	606,775	589,645	512,652	437,706	452,091	529,990	6,044,929
Transmission Losses	15,834	14,353	13,062	12,364	13,327	15,626	17,596	17,100	14,867	12,693	13,111	15,370	175,303
Total Energy Sales	1,167,358	1,094,486	1,069,745	1,020,648	1,074,699	1,179,226	1,300,428	1,307,008	1,182,531	1,068,761	1,041,773	1,127,549	13,634,212
Total Distribution Losses	4,047	4,068	3,529	3,195	3,245	4,074	5,087	5,450	4,722	3,595	3,261	3,647	47,920
Total Transmission Losses	<u>33,971</u>	<u>31,858</u>	<u>31,125</u>	<u>29,692</u>	<u>31,260</u>	<u>34,315</u>	<u>37,860</u>	<u>38,062</u>	<u>34,430</u>	<u>31,098</u>	<u>30,306</u>	<u>32,806</u>	<u>396,783</u>
Total Output to Lines	1,205,376	1,130,412	1,104,399	1,053,535	1,109,204	1,217,615	1,343,375	1,350,520	1,221,683	1,103,454	1,075,340	1,164,002	14,078,915
Woodland Hills	6,645	5,575	5,610	5,055	5,756	6,905	8,046	7,623	6,358	5,319	5,407	6,819	75,118
Other Central Substations	<u>8,458</u>	<u>7,153</u>	<u>6,888</u>	<u>6,080</u>	<u>6,926</u>	<u>8,375</u>	<u>10,376</u>	<u>9,774</u>	<u>7,850</u>	<u>6,727</u>	<u>7,067</u>	<u>9,158</u>	<u>94,832</u>
Territorial Energy	1,190,273	1,117,684	1,091,901	1,042,400	1,096,522	1,202,335	1,324,953	1,333,123	1,207,475	1,091,408	1,062,866	1,148,025	13,908,965
Off-System Sales:													
NCEMPA	<u>8,184</u>	<u>7,392</u>	<u>4,464</u>	<u>4,320</u>	<u>4,464</u>	<u>8,640</u>	<u>8,928</u>	<u>8,928</u>	<u>2,160</u>	<u>2,232</u>	<u>2,160</u>	<u>8,184</u>	<u>70,056</u>
Total Off-System Sales	8,184	7,392	4,464	4,320	4,464	8,640	8,928	8,928	2,160	2,232	2,160	8,184	70,056
Total Requirements	1,198,457	1,125,076	1,096,365	1,046,720	1,100,986	1,210,975	1,333,881	1,342,051	1,209,635	1,093,640	1,065,026	1,156,209	13,979,021

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	89,724	90,272	69,360	56,344	55,756	76,400	102,500	111,936	93,237	64,695	57,537	72,493	940,254
Distribution Losses	<u>2,153</u>	<u>2,167</u>	<u>1,665</u>	<u>1,352</u>	<u>1,338</u>	<u>1,834</u>	<u>2,460</u>	<u>2,686</u>	<u>2,238</u>	<u>1,553</u>	<u>1,381</u>	<u>1,740</u>	<u>22,567</u>
Residential Sales	91,877	92,439	71,025	57,696	57,094	78,234	104,960	114,622	95,475	66,248	58,918	74,233	962,821
Transmission Losses	2,664	2,681	2,060	1,673	1,656	2,269	3,044	3,324	2,769	1,921	1,709	2,153	27,923
Commercial:													
Total Commercial	84,638	84,827	82,174	80,527	83,110	98,023	115,341	121,395	108,704	88,705	81,515	83,183	1,112,142
Distribution Losses	<u>2,031</u>	<u>2,036</u>	<u>1,972</u>	<u>1,933</u>	<u>1,995</u>	<u>2,353</u>	<u>2,768</u>	<u>2,913</u>	<u>2,609</u>	<u>2,129</u>	<u>1,956</u>	<u>1,996</u>	<u>26,691</u>
Commercial Sales	86,669	86,863	84,146	82,460	85,105	100,376	118,109	124,308	111,313	90,834	83,471	85,179	1,138,833
Transmission Losses	2,513	2,519	2,440	2,391	2,468	2,911	3,425	3,605	3,228	2,634	2,421	2,470	33,025
Industrial:													
Total Industrial	193,302	192,577	214,479	211,579	221,268	220,233	220,024	228,233	221,099	225,418	206,482	192,512	2,547,206
Transmission Losses	5,606	5,585	6,220	6,136	6,417	6,387	6,381	6,619	6,412	6,537	5,988	5,583	73,871
Alumax:													
Alumax	224,035	204,249	223,558	215,895	223,136	215,266	222,888	222,766	215,317	222,930	216,168	224,096	2,630,304
Transmission Losses	6,497	5,923	6,483	6,261	6,471	6,243	6,464	6,460	6,244	6,465	6,269	6,499	76,279
Municipals:													
Municipals	14,655	14,207	13,400	12,948	13,539	16,362	19,293	19,709	17,218	14,047	13,325	14,207	182,910
Transmission Losses	425	412	389	375	393	474	559	572	499	407	386	412	5,303
Central Electric:													
Total Central Electric	559,999	507,990	462,959	438,761	473,438	554,886	625,040	607,111	527,873	450,550	464,692	544,139	6,217,438
Transmission Losses	16,240	14,732	13,426	12,724	13,730	16,092	18,126	17,606	15,308	13,066	13,476	15,780	180,306
Total Energy Sales	1,166,353	1,094,122	1,065,930	1,016,054	1,070,247	1,181,170	1,305,086	1,311,150	1,183,448	1,066,345	1,039,719	1,130,630	13,630,254
Total Distribution Losses	4,184	4,203	3,637	3,285	3,333	4,187	5,228	5,599	4,847	3,682	3,337	3,736	49,258
Total Transmission Losses	<u>33,945</u>	<u>31,852</u>	<u>31,018</u>	<u>29,560</u>	<u>31,135</u>	<u>34,376</u>	<u>37,999</u>	<u>38,186</u>	<u>34,460</u>	<u>31,030</u>	<u>30,249</u>	<u>32,897</u>	<u>396,707</u>
Total Output to Lines	1,204,482	1,130,177	1,100,585	1,048,899	1,104,715	1,219,733	1,348,313	1,354,935	1,222,755	1,101,057	1,073,305	1,167,263	14,076,219
Woodland Hills	6,645	5,575	5,610	5,055	5,756	6,905	8,046	7,623	6,358	5,319	5,407	6,819	75,118
Other Central Substations	<u>8,971</u>	<u>7,587</u>	<u>7,306</u>	<u>6,449</u>	<u>7,347</u>	<u>8,887</u>	<u>11,012</u>	<u>10,374</u>	<u>8,331</u>	<u>7,137</u>	<u>7,497</u>	<u>9,715</u>	<u>100,613</u>
Territorial Energy	1,188,866	1,117,015	1,087,669	1,037,395	1,091,612	1,203,941	1,329,255	1,336,938	1,208,066	1,088,601	1,060,401	1,150,729	13,900,488
Off-System Sales:													
NCEMPA	<u>8,184</u>	<u>7,392</u>	<u>4,464</u>	<u>4,320</u>	<u>4,464</u>	<u>8,640</u>	<u>8,928</u>	<u>8,928</u>	<u>2,160</u>	<u>2,232</u>	<u>2,160</u>	<u>8,184</u>	<u>70,056</u>
Total Off-System Sales	8,184	7,392	4,464	4,320	4,464	8,640	8,928	8,928	2,160	2,232	2,160	8,184	70,056
Total Requirements	1,197,050	1,124,407	1,092,133	1,041,715	1,096,076	1,212,581	1,338,183	1,345,866	1,210,226	1,090,833	1,062,561	1,158,913	13,970,544

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	92,647	93,188	71,473	57,958	57,329	78,688	105,686	115,425	96,054	66,512	59,102	74,568	968,630
Distribution Losses	<u>2,224</u>	<u>2,237</u>	<u>1,715</u>	<u>1,391</u>	<u>1,376</u>	<u>1,889</u>	<u>2,536</u>	<u>2,770</u>	<u>2,305</u>	<u>1,596</u>	<u>1,418</u>	<u>1,790</u>	<u>23,247</u>
Residential Sales	94,871	95,425	73,188	59,349	58,705	80,577	108,222	118,195	98,359	68,108	60,520	76,358	991,877
Transmission Losses	2,751	2,767	2,122	1,721	1,702	2,337	3,138	3,428	2,852	1,975	1,755	2,214	28,762
Commercial:													
Total Commercial	86,170	86,313	83,545	81,813	84,393	99,492	117,024	123,129	110,226	89,927	82,625	84,315	1,128,972
Distribution Losses	<u>2,068</u>	<u>2,072</u>	<u>2,005</u>	<u>1,964</u>	<u>2,025</u>	<u>2,388</u>	<u>2,809</u>	<u>2,955</u>	<u>2,645</u>	<u>2,158</u>	<u>1,983</u>	<u>2,024</u>	<u>27,096</u>
Commercial Sales	88,238	88,385	85,550	83,777	86,418	101,880	119,833	126,084	112,871	92,085	84,608	86,339	1,156,068
Transmission Losses	2,559	2,563	2,481	2,430	2,506	2,955	3,475	3,656	3,273	2,670	2,454	2,504	33,526
Industrial:													
Total Industrial	186,652	186,491	207,983	204,677	213,342	212,161	210,917	219,182	212,379	217,911	199,682	185,312	2,456,689
Transmission Losses	5,413	5,408	6,032	5,936	6,187	6,153	6,117	6,356	6,159	6,319	5,791	5,374	71,245
Alumax:													
Alumax	224,035	204,249	223,558	215,895	223,136	215,266	222,888	222,766	215,317	222,930	216,168	224,096	2,630,304
Transmission Losses	6,497	5,923	6,483	6,261	6,471	6,243	6,464	6,460	6,244	6,465	6,269	6,499	76,279
Municipals:													
Municipals	15,002	14,520	13,670	13,192	13,792	16,677	19,665	20,073	17,519	14,282	13,556	14,475	186,423
Transmission Losses	435	421	396	383	400	484	570	582	508	414	393	420	5,406
Central Electric:													
Total Central Electric	571,978	517,965	471,188	445,822	480,686	563,126	634,147	615,895	535,062	456,378	470,901	552,073	6,315,221
Transmission Losses	16,587	15,021	13,664	12,929	13,940	16,331	18,390	17,861	15,517	13,235	13,656	16,010	183,141
Total Energy Sales	1,176,484	1,102,726	1,071,417	1,019,357	1,072,678	1,185,410	1,310,327	1,316,470	1,186,557	1,067,940	1,042,034	1,134,839	13,686,239
Total Distribution Losses	4,292	4,309	3,720	3,355	3,401	4,277	5,345	5,725	4,950	3,754	3,401	3,814	50,343
Total Transmission Losses	<u>34,242</u>	<u>32,103</u>	<u>31,178</u>	<u>29,660</u>	<u>31,206</u>	<u>34,503</u>	<u>38,154</u>	<u>38,343</u>	<u>34,553</u>	<u>31,078</u>	<u>30,318</u>	<u>33,021</u>	<u>398,359</u>
Total Output to Lines	1,215,018	1,139,138	1,106,315	1,052,372	1,107,285	1,224,190	1,353,826	1,360,538	1,226,060	1,102,772	1,075,753	1,171,674	14,134,941
Woodland Hills													
Other Central Substations	<u>9,484</u>	<u>8,021</u>	<u>7,724</u>	<u>6,819</u>	<u>7,769</u>	<u>9,400</u>	<u>11,648</u>	<u>10,974</u>	<u>8,811</u>	<u>7,548</u>	<u>7,927</u>	<u>10,273</u>	<u>106,398</u>
Territorial Energy	1,205,534	1,131,117	1,098,591	1,045,553	1,099,516	1,214,790	1,342,178	1,349,564	1,217,249	1,095,224	1,067,826	1,161,401	14,028,543
Off-System Sales:													
NCEMPA	<u>8,184</u>	<u>7,392</u>	<u>4,464</u>	<u>4,320</u>	<u>4,464</u>	<u>8,640</u>	<u>8,928</u>	<u>8,928</u>	<u>2,160</u>	<u>2,232</u>	<u>2,160</u>	<u>8,184</u>	<u>70,056</u>
Total Off-System Sales	8,184	7,392	4,464	4,320	4,464	8,640	8,928	8,928	2,160	2,232	2,160	8,184	70,056
Total Requirements	1,213,718	1,138,509	1,103,055	1,049,873	1,103,980	1,223,430	1,351,106	1,358,492	1,219,409	1,097,456	1,069,986	1,169,585	14,098,599

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	95,445	95,983	73,498	59,503	58,836	80,883	108,744	118,776	98,759	68,257	60,605	76,565	995,854
Distribution Losses	<u>2,291</u>	<u>2,304</u>	<u>1,764</u>	<u>1,428</u>	<u>1,412</u>	<u>1,941</u>	<u>2,610</u>	<u>2,851</u>	<u>2,370</u>	<u>1,638</u>	<u>1,455</u>	<u>1,838</u>	<u>23,902</u>
Residential Sales	97,736	98,287	75,262	60,931	60,248	82,824	111,354	121,627	101,129	69,895	62,060	78,403	1,019,756
Transmission Losses	2,834	2,850	2,183	1,767	1,747	2,402	3,229	3,527	2,933	2,027	1,800	2,274	29,573
Commercial:													
Total Commercial	87,343	87,470	84,628	82,845	85,437	100,704	118,431	124,590	111,520	90,972	83,582	85,296	1,142,818
Distribution Losses	<u>2,096</u>	<u>2,099</u>	<u>2,031</u>	<u>1,988</u>	<u>2,050</u>	<u>2,417</u>	<u>2,842</u>	<u>2,990</u>	<u>2,676</u>	<u>2,183</u>	<u>2,006</u>	<u>2,047</u>	<u>27,425</u>
Commercial Sales	89,439	89,569	86,659	84,833	87,487	103,121	121,273	127,580	114,196	93,155	85,588	87,343	1,170,243
Transmission Losses	2,594	2,598	2,513	2,460	2,537	2,991	3,517	3,700	3,312	2,701	2,482	2,533	33,938
Industrial:													
Total Industrial	183,902	184,000	205,342	201,830	210,025	208,766	207,007	215,331	208,669	214,820	196,891	182,275	2,418,858
Transmission Losses	5,333	5,336	5,955	5,853	6,091	6,054	6,003	6,245	6,051	6,230	5,710	5,286	70,147
Alumax:													
Alumax	224,035	204,249	223,558	215,895	223,136	215,266	222,888	222,766	215,317	222,930	216,168	224,096	2,630,304
Transmission Losses	6,497	5,923	6,483	6,261	6,471	6,243	6,464	6,460	6,244	6,465	6,269	6,499	76,279
Municipals:													
Municipals	15,297	14,786	13,900	13,400	14,011	16,955	19,998	20,400	17,788	14,493	13,765	14,722	189,515
Transmission Losses	444	429	403	389	406	492	580	592	516	420	399	427	5,497
Central Electric:													
Total Central Electric	582,509	527,346	479,609	454,489	489,187	573,651	645,968	627,369	545,665	465,285	480,016	563,750	6,434,844
Transmission Losses	16,893	15,293	13,909	13,180	14,186	16,636	18,733	18,194	15,824	13,493	13,920	16,349	186,610
Total Energy Sales	1,188,531	1,113,834	1,080,535	1,027,962	1,080,632	1,196,225	1,323,036	1,329,232	1,197,718	1,076,757	1,051,027	1,146,704	13,812,193
Total Distribution Losses	4,387	4,403	3,795	3,416	3,462	4,358	5,452	5,841	5,046	3,821	3,461	3,885	51,327
Total Transmission Losses	<u>34,595</u>	<u>32,429</u>	<u>31,446</u>	<u>29,910</u>	<u>31,438</u>	<u>34,818</u>	<u>38,526</u>	<u>38,718</u>	<u>34,880</u>	<u>31,336</u>	<u>30,580</u>	<u>33,368</u>	<u>402,044</u>
Total Output to Lines	1,227,513	1,150,666	1,115,776	1,061,288	1,115,532	1,235,401	1,367,014	1,373,791	1,237,644	1,111,914	1,085,068	1,183,957	14,265,564
Woodland Hills													
Other Central Substations													
Territorial Energy	1,227,513	1,150,666	1,115,776	1,061,288	1,115,532	1,235,401	1,367,014	1,373,791	1,237,644	1,111,914	1,085,068	1,183,957	14,265,564
Off-System Sales:													
NCEMPA	<u>8,184</u>	<u>7,392</u>	<u>4,464</u>	<u>4,320</u>	<u>4,464</u>	<u>8,640</u>	<u>8,928</u>	<u>8,928</u>	<u>2,160</u>	<u>2,232</u>	<u>2,160</u>	<u>8,184</u>	<u>70,056</u>
Total Off-System Sales	8,184	7,392	4,464	4,320	4,464	8,640	8,928	8,928	2,160	2,232	2,160	8,184	70,056
Total Requirements	1,235,697	1,158,058	1,120,240	1,065,608	1,119,996	1,244,041	1,375,942	1,382,719	1,239,804	1,114,146	1,087,228	1,192,141	14,335,620

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	98,105	98,646	75,429	60,979	60,279	82,991	111,688	122,010	101,376	69,948	62,067	78,511	1,022,029
Distribution Losses	<u>2,355</u>	<u>2,368</u>	<u>1,810</u>	<u>1,463</u>	<u>1,447</u>	<u>1,992</u>	<u>2,681</u>	<u>2,928</u>	<u>2,433</u>	<u>1,679</u>	<u>1,490</u>	<u>1,884</u>	<u>24,530</u>
Residential Sales	100,460	101,014	77,239	62,442	61,726	84,983	114,369	124,938	103,809	71,627	63,557	80,395	1,046,559
Transmission Losses	2,913	2,929	2,240	1,811	1,790	2,465	3,317	3,623	3,010	2,077	1,843	2,331	30,349
Commercial:													
Total Commercial	88,367	88,484	85,581	83,757	86,362	101,780	119,682	125,895	112,679	91,912	84,446	86,186	1,155,131
Distribution Losses	<u>2,121</u>	<u>2,124</u>	<u>2,054</u>	<u>2,010</u>	<u>2,073</u>	<u>2,443</u>	<u>2,872</u>	<u>3,021</u>	<u>2,704</u>	<u>2,206</u>	<u>2,027</u>	<u>2,068</u>	<u>27,723</u>
Commercial Sales	90,488	90,608	87,635	85,767	88,435	104,223	122,554	128,916	115,383	94,118	86,473	88,254	1,182,854
Transmission Losses	2,624	2,628	2,541	2,487	2,565	3,022	3,554	3,739	3,346	2,729	2,508	2,559	34,302
Industrial:													
Total Industrial	184,940	185,002	206,447	202,930	211,200	209,933	208,169	216,559	209,846	216,029	197,995	183,277	2,432,327
Transmission Losses	5,363	5,365	5,987	5,885	6,125	6,088	6,037	6,280	6,086	6,265	5,742	5,315	70,538
Alumax:													
Alumax	224,035	204,249	223,558	215,895	223,136	215,266	222,888	222,766	215,317	222,930	216,168	224,096	2,630,304
Transmission Losses	6,497	5,923	6,483	6,261	6,471	6,243	6,464	6,460	6,244	6,465	6,269	6,499	76,279
Municipals:													
Municipals	15,570	15,032	14,112	13,592	14,214	17,214	20,309	20,705	18,039	14,690	13,962	14,955	192,394
Transmission Losses	452	436	409	394	412	499	589	600	523	426	405	434	5,579
Central Electric:													
Total Central Electric	592,513	535,981	486,770	460,992	496,829	584,333	659,226	639,901	555,527	472,946	488,458	574,905	6,548,381
Transmission Losses	17,183	15,543	14,116	13,369	14,408	16,946	19,118	18,557	16,110	13,715	14,165	16,672	189,902
Total Energy Sales	1,203,530	1,127,394	1,091,897	1,038,145	1,092,020	1,211,517	1,341,962	1,347,836	1,212,784	1,088,455	1,063,096	1,161,930	13,980,566
Total Distribution Losses	4,476	4,492	3,864	3,473	3,520	4,435	5,553	5,949	5,137	3,885	3,517	3,952	52,253
Total Transmission Losses	<u>35,032</u>	<u>32,824</u>	<u>31,776</u>	<u>30,207</u>	<u>31,771</u>	<u>35,263</u>	<u>39,079</u>	<u>39,259</u>	<u>35,319</u>	<u>31,677</u>	<u>30,932</u>	<u>33,810</u>	<u>406,949</u>
Total Output to Lines	1,243,038	1,164,710	1,127,537	1,071,825	1,127,311	1,251,215	1,386,594	1,393,044	1,253,240	1,124,017	1,097,545	1,199,692	14,439,768
Woodland Hills													
Other Central Substations													
Territorial Energy	1,243,038	1,164,710	1,127,537	1,071,825	1,127,311	1,251,215	1,386,594	1,393,044	1,253,240	1,124,017	1,097,545	1,199,692	14,439,768
Off-System Sales:													
NCEMPA	<u>4,092</u>	<u>3,696</u>	<u>2,232</u>	<u>2,160</u>	<u>2,232</u>	<u>4,320</u>	<u>4,464</u>	<u>4,464</u>	<u>1,080</u>	<u>1,116</u>	<u>1,080</u>	<u>4,092</u>	<u>35,028</u>
Total Off-System Sales	4,092	3,696	2,232	2,160	2,232	4,320	4,464	4,464	1,080	1,116	1,080	4,092	35,028
Total Requirements	1,247,130	1,168,406	1,129,769	1,073,985	1,129,543	1,255,535	1,391,058	1,397,508	1,254,320	1,125,133	1,098,625	1,203,784	14,474,796

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Residential:													
Total Residential	100,701	101,247	77,316	62,422	61,689	85,052	114,567	125,173	103,936	71,605	63,501	80,420	1,047,629
Distribution Losses	<u>2,417</u>	<u>2,430</u>	<u>1,856</u>	<u>1,498</u>	<u>1,481</u>	<u>2,041</u>	<u>2,750</u>	<u>3,004</u>	<u>2,494</u>	<u>1,719</u>	<u>1,524</u>	<u>1,930</u>	<u>25,144</u>
Residential Sales	103,118	103,677	79,172	63,920	63,170	87,093	117,317	128,177	106,430	73,324	65,025	82,350	1,072,773
Transmission Losses	2,990	3,007	2,296	1,854	1,832	2,526	3,402	3,717	3,086	2,126	1,886	2,388	31,110
Commercial:													
Total Commercial	89,300	89,410	86,452	84,590	87,209	102,766	120,832	127,095	113,747	92,778	85,244	87,010	1,166,433
Distribution Losses	<u>2,143</u>	<u>2,146</u>	<u>2,075</u>	<u>2,030</u>	<u>2,093</u>	<u>2,466</u>	<u>2,900</u>	<u>3,050</u>	<u>2,730</u>	<u>2,227</u>	<u>2,046</u>	<u>2,088</u>	<u>27,994</u>
Commercial Sales	91,443	91,556	88,527	86,620	89,302	105,232	123,732	130,145	116,477	95,005	87,290	89,098	1,194,427
Transmission Losses	2,652	2,655	2,567	2,512	2,590	3,052	3,588	3,774	3,378	2,755	2,531	2,584	34,638
Industrial:													
Total Industrial	185,980	186,005	207,554	204,031	212,378	211,102	209,334	217,790	211,026	217,242	199,101	184,282	2,445,825
Transmission Losses	5,393	5,394	6,019	5,917	6,159	6,122	6,071	6,316	6,120	6,300	5,774	5,344	70,929
Alumax:													
Alumax	224,035	204,249	223,558	215,895	223,136	215,266	222,888	222,766	215,317	222,930	216,168	224,096	2,630,304
Transmission Losses	6,497	5,923	6,483	6,261	6,471	6,243	6,464	6,460	6,244	6,465	6,269	6,499	76,279
Municipals:													
Municipals	15,829	15,265	14,312	13,774	14,406	17,461	20,606	20,994	18,277	14,877	14,150	15,179	195,130
Transmission Losses	459	443	415	399	418	506	598	609	530	431	410	440	5,658
Central Electric:													
Total Central Electric	605,260	546,618	495,311	468,472	505,256	595,634	672,736	652,674	565,593	480,780	497,091	586,302	6,671,727
Transmission Losses	17,553	15,852	14,364	13,586	14,652	17,273	19,509	18,928	16,402	13,943	14,416	17,003	193,481
Total Energy Sales	1,221,105	1,142,794	1,104,503	1,049,184	1,104,074	1,227,281	1,360,963	1,366,492	1,227,896	1,100,212	1,075,255	1,177,289	14,157,048
Total Distribution Losses	4,560	4,576	3,931	3,528	3,574	4,507	5,650	6,054	5,224	3,946	3,570	4,018	53,138
Total Transmission Losses	<u>35,544</u>	<u>33,274</u>	<u>32,144</u>	<u>30,529</u>	<u>32,122</u>	<u>35,722</u>	<u>39,632</u>	<u>39,804</u>	<u>35,760</u>	<u>32,020</u>	<u>31,286</u>	<u>34,258</u>	<u>412,095</u>
Total Output to Lines	1,261,209	1,180,644	1,140,578	1,083,241	1,139,770	1,267,510	1,406,245	1,412,350	1,268,880	1,136,178	1,110,111	1,215,565	14,622,281
Woodland Hills													
Other Central Substations													
Territorial Energy	1,261,209	1,180,644	1,140,578	1,083,241	1,139,770	1,267,510	1,406,245	1,412,350	1,268,880	1,136,178	1,110,111	1,215,565	14,622,281
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,261,209	1,180,644	1,140,578	1,083,241	1,139,770	1,267,510	1,406,245	1,412,350	1,268,880	1,136,178	1,110,111	1,215,565	14,622,281

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	103,248	103,800	79,169	63,839	63,075	87,075	117,391	128,276	106,451	73,235	64,912	82,300	1,072,771
Distribution Losses	<u>2,478</u>	<u>2,491</u>	<u>1,900</u>	<u>1,532</u>	<u>1,514</u>	<u>2,090</u>	<u>2,817</u>	<u>3,079</u>	<u>2,555</u>	<u>1,758</u>	<u>1,558</u>	<u>1,975</u>	<u>25,747</u>
Residential Sales	105,726	106,291	81,069	65,371	64,589	89,165	120,208	131,355	109,006	74,993	66,470	84,275	1,098,518
Transmission Losses	3,066	3,082	2,351	1,896	1,873	2,586	3,486	3,809	3,161	2,175	1,928	2,444	31,857
Commercial:													
Total Commercial	90,165	90,270	87,259	85,362	87,993	103,680	121,897	128,207	114,735	93,580	85,983	87,773	1,176,904
Distribution Losses	<u>2,164</u>	<u>2,166</u>	<u>2,094</u>	<u>2,049</u>	<u>2,112</u>	<u>2,488</u>	<u>2,926</u>	<u>3,077</u>	<u>2,754</u>	<u>2,246</u>	<u>2,064</u>	<u>2,107</u>	<u>28,247</u>
Commercial Sales	92,329	92,436	89,353	87,411	90,105	106,168	124,823	131,284	117,489	95,826	88,047	89,880	1,205,151
Transmission Losses	2,678	2,681	2,591	2,535	2,613	3,079	3,620	3,807	3,407	2,779	2,553	2,607	34,950
Industrial:													
Total Industrial	187,022	187,011	208,663	205,135	213,559	212,275	210,501	219,024	212,209	218,456	200,210	185,289	2,459,354
Transmission Losses	5,424	5,423	6,051	5,949	6,193	6,156	6,105	6,352	6,154	6,335	5,808	5,373	71,321
Alumax:													
Alumax	224,035	204,249	223,558	0	0	0	0	0	0	0	0	0	651,842
Transmission Losses	6,497	5,923	6,483	0	0	0	0	0	0	0	0	0	18,903
Municipals:													
Municipals	16,078	15,489	14,504	13,947	14,590	17,696	20,889	21,272	18,505	15,055	14,329	15,394	197,748
Transmission Losses	466	449	421	404	423	513	606	617	537	437	416	446	5,735
Central Electric:													
Total Central Electric	614,029	553,369	499,967	471,858	509,347	602,795	681,818	660,901	570,834	483,820	501,000	592,911	6,742,649
Transmission Losses	17,807	16,048	14,499	13,684	14,771	17,481	19,773	19,166	16,554	14,031	14,529	17,194	195,537
Total Energy Sales	1,234,577	1,154,188	1,113,120	840,141	888,564	1,023,521	1,152,496	1,157,680	1,022,734	884,146	866,434	963,667	12,301,268
Total Distribution Losses	4,642	4,657	3,994	3,581	3,626	4,578	5,743	6,156	5,309	4,004	3,622	4,082	53,994
Total Transmission Losses	<u>35,938</u>	<u>33,606</u>	<u>32,396</u>	<u>24,468</u>	<u>25,873</u>	<u>29,815</u>	<u>33,590</u>	<u>33,751</u>	<u>29,813</u>	<u>25,757</u>	<u>25,232</u>	<u>28,064</u>	<u>358,303</u>
Total Output to Lines	1,275,157	1,192,451	1,149,510	868,190	918,063	1,057,914	1,191,829	1,197,587	1,057,856	913,907	895,288	995,813	12,713,565
Woodland Hills													
Other Central Substations													
Territorial Energy	1,275,157	1,192,451	1,149,510	868,190	918,063	1,057,914	1,191,829	1,197,587	1,057,856	913,907	895,288	995,813	12,713,565
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,275,157	1,192,451	1,149,510	868,190	918,063	1,057,914	1,191,829	1,197,587	1,057,856	913,907	895,288	995,813	12,713,565

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Residential:													
Total Residential	105,756	106,315	80,994	65,237	64,441	89,067	120,171	131,331	108,928	74,842	66,305	84,155	1,097,542
Distribution Losses	<u>2,538</u>	<u>2,552</u>	<u>1,944</u>	<u>1,566</u>	<u>1,547</u>	<u>2,138</u>	<u>2,884</u>	<u>3,152</u>	<u>2,614</u>	<u>1,796</u>	<u>1,591</u>	<u>2,020</u>	<u>26,342</u>
Residential Sales	108,294	108,867	82,938	66,803	65,988	91,205	123,055	134,483	111,542	76,638	67,896	86,175	1,123,884
Transmission Losses	3,141	3,157	2,405	1,937	1,914	2,645	3,569	3,900	3,235	2,223	1,969	2,499	32,594
Commercial:													
Total Commercial	90,968	91,068	88,006	86,073	88,715	104,520	122,875	129,228	115,644	94,319	86,664	88,480	1,186,560
Distribution Losses	<u>2,183</u>	<u>2,186</u>	<u>2,112</u>	<u>2,066</u>	<u>2,129</u>	<u>2,508</u>	<u>2,949</u>	<u>3,101</u>	<u>2,775</u>	<u>2,264</u>	<u>2,080</u>	<u>2,124</u>	<u>28,477</u>
Commercial Sales	93,151	93,254	90,118	88,139	90,844	107,028	125,824	132,329	118,419	96,583	88,744	90,604	1,215,037
Transmission Losses	2,701	2,704	2,613	2,556	2,634	3,104	3,649	3,838	3,434	2,801	2,574	2,628	35,236
Industrial:													
Total Industrial	188,066	188,018	209,774	206,241	214,742	213,449	211,671	220,260	213,394	219,674	201,321	186,298	2,472,908
Transmission Losses	5,454	5,453	6,083	5,981	6,228	6,190	6,138	6,388	6,188	6,371	5,838	5,403	71,715
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	16,319	15,704	14,688	14,113	14,766	17,923	21,162	21,538	18,723	15,227	14,502	15,602	200,267
Transmission Losses	473	455	426	409	428	520	614	625	543	442	421	452	5,808
Central Electric:													
Total Central Electric	622,938	560,223	504,691	475,279	513,492	610,061	691,043	669,244	576,147	486,870	504,934	599,605	6,814,527
Transmission Losses	18,065	16,246	14,636	13,783	14,891	17,692	20,040	19,408	16,708	14,119	14,643	17,389	197,620
Total Energy Sales	1,024,047	961,328	898,153	846,943	896,156	1,035,020	1,166,922	1,171,601	1,032,836	890,932	873,726	974,140	11,771,804
Total Distribution Losses	4,721	4,738	4,056	3,632	3,676	4,646	5,833	6,253	5,389	4,060	3,671	4,144	54,819
Total Transmission Losses	<u>29,834</u>	<u>28,015</u>	<u>26,163</u>	<u>24,666</u>	<u>26,095</u>	<u>30,151</u>	<u>34,010</u>	<u>34,159</u>	<u>30,108</u>	<u>25,956</u>	<u>25,445</u>	<u>28,371</u>	<u>342,973</u>
Total Output to Lines	1,058,602	994,081	928,372	875,241	925,927	1,069,817	1,206,765	1,212,013	1,068,333	920,948	902,842	1,006,655	12,169,596
Woodland Hills													
Other Central Substations													
Territorial Energy	1,058,602	994,081	928,372	875,241	925,927	1,069,817	1,206,765	1,212,013	1,068,333	920,948	902,842	1,006,655	12,169,596
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,058,602	994,081	928,372	875,241	925,927	1,069,817	1,206,765	1,212,013	1,068,333	920,948	902,842	1,006,655	12,169,596

SANTEE COOPER ENERGY FORECAST – LOW
Calendar Year 2002 – (MWH)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	108,230	108,796	82,797	66,617	65,790	91,032	122,912	134,342	111,369	76,429	67,681	85,988	1,121,983
Distribution Losses	<u>2,598</u>	<u>2,611</u>	<u>1,987</u>	<u>1,599</u>	<u>1,579</u>	<u>2,185</u>	<u>2,950</u>	<u>3,224</u>	<u>2,673</u>	<u>1,834</u>	<u>1,624</u>	<u>2,064</u>	<u>26,928</u>
Residential Sales	110,828	111,407	84,784	68,216	67,369	93,217	125,862	137,566	114,042	78,263	69,305	88,052	1,148,911
Transmission Losses	3,214	3,231	2,459	1,978	1,954	2,703	3,650	3,989	3,307	2,270	2,010	2,554	33,319
Commercial:													
Total Commercial	91,714	91,809	88,699	86,734	89,385	105,299	123,783	130,176	116,487	95,004	87,297	89,137	1,195,524
Distribution Losses	<u>2,201</u>	<u>2,203</u>	<u>2,129</u>	<u>2,082</u>	<u>2,145</u>	<u>2,527</u>	<u>2,971</u>	<u>3,124</u>	<u>2,796</u>	<u>2,280</u>	<u>2,095</u>	<u>2,139</u>	<u>28,692</u>
Commercial Sales	93,915	94,012	90,828	88,816	91,530	107,826	126,754	133,300	119,283	97,284	89,392	91,276	1,224,216
Transmission Losses	2,724	2,726	2,634	2,576	2,654	3,127	3,676	3,866	3,459	2,821	2,592	2,647	35,502
Industrial:													
Total Industrial	189,112	189,028	210,888	207,349	215,928	214,627	212,843	221,498	214,581	220,894	202,435	187,308	2,486,491
Transmission Losses	5,484	5,482	6,116	6,013	6,262	6,224	6,172	6,423	6,223	6,406	5,871	5,432	72,108
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	16,552	15,912	14,865	14,273	14,935	18,141	21,425	21,795	18,933	15,391	14,669	15,803	202,694
Transmission Losses	480	461	431	414	433	526	621	632	549	446	425	458	5,876
Central Electric:													
Total Central Electric	636,146	571,197	513,427	482,869	522,049	621,638	704,914	682,318	586,391	494,778	513,707	611,304	6,940,738
Transmission Losses	18,448	16,565	14,889	14,003	15,139	18,028	20,443	19,787	17,005	14,349	14,898	17,728	201,282
Total Energy Sales	1,041,754	976,742	910,676	857,842	908,087	1,050,737	1,185,877	1,190,129	1,047,761	902,496	885,789	989,540	11,947,430
Total Distribution Losses	4,799	4,814	4,116	3,681	3,724	4,712	5,921	6,348	5,469	4,114	3,719	4,203	55,620
Total Transmission Losses	<u>30,350</u>	<u>28,465</u>	<u>26,529</u>	<u>24,984</u>	<u>26,442</u>	<u>30,608</u>	<u>34,562</u>	<u>34,697</u>	<u>30,543</u>	<u>26,292</u>	<u>25,796</u>	<u>28,819</u>	<u>348,087</u>
Total Output to Lines	1,076,903	1,010,021	941,321	886,507	938,253	1,086,057	1,226,360	1,231,174	1,083,773	932,902	915,304	1,022,562	12,351,137
Woodland Hills													
Other Central Substations													
Territorial Energy	1,076,903	1,010,021	941,321	886,507	938,253	1,086,057	1,226,360	1,231,174	1,083,773	932,902	915,304	1,022,562	12,351,137
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,076,903	1,010,021	941,321	886,507	938,253	1,086,057	1,226,360	1,231,174	1,083,773	932,902	915,304	1,022,562	12,351,137

SANTEE COOPER ENERGY FORECAST – LOW
Calendar Year 2003 – (MWH)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	110,673	111,245	84,577	67,981	67,123	92,971	125,613	137,310	113,778	77,996	69,042	87,798	1,146,107
Distribution Losses	<u>2,656</u>	<u>2,670</u>	<u>2,030</u>	<u>1,632</u>	<u>1,611</u>	<u>2,231</u>	<u>3,015</u>	<u>3,295</u>	<u>2,731</u>	<u>1,872</u>	<u>1,657</u>	<u>2,107</u>	<u>27,507</u>
Residential Sales	113,329	113,915	86,607	69,613	68,734	95,202	128,628	140,605	116,509	79,868	70,699	89,905	1,173,614
Transmission Losses	3,287	3,304	2,512	2,019	1,993	2,761	3,730	4,078	3,379	2,316	2,050	2,607	34,036
Commercial:													
Total Commercial	92,409	92,499	89,342	87,345	90,005	106,020	124,623	131,052	117,266	95,637	87,882	89,746	1,203,826
Distribution Losses	<u>2,218</u>	<u>2,220</u>	<u>2,144</u>	<u>2,096</u>	<u>2,160</u>	<u>2,544</u>	<u>2,991</u>	<u>3,145</u>	<u>2,814</u>	<u>2,295</u>	<u>2,109</u>	<u>2,154</u>	<u>28,890</u>
Commercial Sales	94,627	94,719	91,486	89,441	92,165	108,564	127,614	134,197	120,080	97,932	89,991	91,900	1,232,716
Transmission Losses	2,744	2,747	2,653	2,594	2,673	3,148	3,701	3,892	3,482	2,840	2,610	2,665	35,749
Industrial:													
Total Industrial	190,160	190,040	212,004	208,460	217,116	215,807	214,018	222,740	215,771	222,117	203,550	188,322	2,500,105
Transmission Losses	5,515	5,511	6,148	6,045	6,296	6,258	6,207	6,459	6,257	6,441	5,903	5,461	72,501
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	16,777	16,113	15,036	14,426	15,098	18,352	21,679	22,041	19,135	15,549	14,830	15,998	205,034
Transmission Losses	487	467	436	418	438	532	629	639	555	451	430	464	5,946
Central Electric:													
Total Central Electric	649,622	582,380	522,328	490,596	530,753	633,407	719,011	695,615	596,827	502,847	522,672	623,279	7,069,337
Transmission Losses	18,839	16,889	15,148	14,227	15,392	18,369	20,851	20,173	17,308	14,583	15,157	18,075	205,011
Total Energy Sales	1,059,641	992,277	923,287	868,808	920,095	1,066,557	1,204,944	1,208,758	1,062,777	914,146	897,976	1,005,143	12,124,409
Total Distribution Losses	4,874	4,890	4,174	3,728	3,771	4,775	6,006	6,440	5,545	4,167	3,766	4,261	56,397
Total Transmission Losses	<u>30,872</u>	<u>28,918</u>	<u>26,897</u>	<u>25,303</u>	<u>26,792</u>	<u>31,068</u>	<u>35,118</u>	<u>35,241</u>	<u>30,981</u>	<u>26,631</u>	<u>26,150</u>	<u>29,272</u>	<u>353,243</u>
Total Output to Lines	1,095,387	1,026,085	954,358	897,839	950,658	1,102,400	1,246,068	1,250,439	1,099,303	944,944	927,892	1,038,676	12,534,049
Woodland Hills													
Other Central Substations													
Territorial Energy	1,095,387	1,026,085	954,358	897,839	950,658	1,102,400	1,246,068	1,250,439	1,099,303	944,944	927,892	1,038,676	12,534,049
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,095,387	1,026,085	954,358	897,839	950,658	1,102,400	1,246,068	1,250,439	1,099,303	944,944	927,892	1,038,676	12,534,049

SANTEE COOPER ENERGY FORECAST – LOW
Calendar Year 2004 – (MWH)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	113,086	113,665	86,337	69,330	68,440	94,885	128,280	140,239	116,155	79,544	70,388	89,589	1,169,938
Distribution Losses	<u>2,714</u>	<u>2,728</u>	<u>2,072</u>	<u>1,664</u>	<u>1,643</u>	<u>2,277</u>	<u>3,079</u>	<u>3,366</u>	<u>2,788</u>	<u>1,909</u>	<u>1,689</u>	<u>2,150</u>	<u>28,079</u>
Residential Sales	115,800	116,393	88,409	70,994	70,083	97,162	131,359	143,605	118,943	81,453	72,077	91,739	1,198,017
Transmission Losses	3,358	3,375	2,564	2,059	2,032	2,818	3,809	4,165	3,449	2,362	2,090	2,660	34,741
Commercial:													
Total Commercial	93,054	93,139	89,937	87,909	90,575	106,682	125,393	131,856	117,982	96,220	88,422	90,310	1,211,479
Distribution Losses	<u>2,233</u>	<u>2,235</u>	<u>2,158</u>	<u>2,110</u>	<u>2,174</u>	<u>2,560</u>	<u>3,009</u>	<u>3,165</u>	<u>2,832</u>	<u>2,309</u>	<u>2,122</u>	<u>2,167</u>	<u>29,074</u>
Commercial Sales	95,287	95,374	92,095	90,019	92,749	109,242	128,402	135,021	120,814	98,529	90,544	92,477	1,240,553
Transmission Losses	2,763	2,766	2,671	2,611	2,690	3,168	3,724	3,916	3,504	2,857	2,626	2,682	35,978
Industrial:													
Total Industrial	191,211	191,054	213,122	209,573	218,307	216,990	215,196	223,984	216,964	223,342	204,669	189,337	2,513,749
Transmission Losses	5,545	5,541	6,181	6,078	6,331	6,293	6,241	6,496	6,292	6,477	5,935	5,491	72,901
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	16,996	16,308	15,201	14,574	15,256	18,556	21,925	22,280	19,329	15,702	14,985	16,188	207,300
Transmission Losses	493	473	441	423	442	538	636	646	561	455	435	469	6,012
Central Electric:													
Total Central Electric	678,665	609,108	547,745	514,314	556,755	662,134	751,442	727,962	625,710	525,024	545,784	654,289	7,398,932
Transmission Losses	19,681	17,664	15,885	14,915	16,146	19,202	21,792	21,111	18,146	15,226	15,828	18,974	214,570
Total Energy Sales	1,093,012	1,023,274	952,342	895,700	949,333	1,099,247	1,242,236	1,246,321	1,096,140	939,832	924,248	1,039,713	12,501,398
Total Distribution Losses	4,947	4,963	4,230	3,774	3,817	4,837	6,088	6,531	5,620	4,218	3,811	4,317	57,153
Total Transmission Losses	<u>31,840</u>	<u>29,819</u>	<u>27,742</u>	<u>26,086</u>	<u>27,641</u>	<u>32,019</u>	<u>36,202</u>	<u>36,334</u>	<u>31,952</u>	<u>27,377</u>	<u>26,914</u>	<u>30,276</u>	<u>364,202</u>
Total Output to Lines	1,129,799	1,058,056	984,314	925,560	980,791	1,136,103	1,284,526	1,289,186	1,133,712	971,427	954,973	1,074,306	12,922,753
Woodland Hills													
Other Central Substations													
Territorial Energy	1,129,799	1,058,056	984,314	925,560	980,791	1,136,103	1,284,526	1,289,186	1,133,712	971,427	954,973	1,074,306	12,922,753
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,129,799	1,058,056	984,314	925,560	980,791	1,136,103	1,284,526	1,289,186	1,133,712	971,427	954,973	1,074,306	12,922,753

SANTEE COOPER ENERGY FORECAST – LOW
Calendar Year 2005 – (MWH)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	115,472	116,058	88,077	70,664	69,744	96,778	130,913	143,131	118,504	81,076	71,720	91,360	1,193,497
Distribution Losses	<u>2,771</u>	<u>2,785</u>	<u>2,114</u>	<u>1,696</u>	<u>1,674</u>	<u>2,323</u>	<u>3,142</u>	<u>3,435</u>	<u>2,844</u>	<u>1,946</u>	<u>1,721</u>	<u>2,193</u>	<u>28,644</u>
Residential Sales	118,243	118,843	90,191	72,360	71,418	99,101	134,055	146,566	121,348	83,022	73,441	93,553	1,222,141
Transmission Losses	3,429	3,446	2,616	2,098	2,071	2,874	3,888	4,250	3,519	2,408	2,130	2,713	35,442
Commercial:													
Total Commercial	93,653	93,735	90,489	88,432	91,104	107,297	126,109	132,603	118,646	96,759	88,922	90,833	1,218,582
Distribution Losses	<u>2,248</u>	<u>2,250</u>	<u>2,172</u>	<u>2,122</u>	<u>2,186</u>	<u>2,575</u>	<u>3,027</u>	<u>3,182</u>	<u>2,848</u>	<u>2,322</u>	<u>2,134</u>	<u>2,180</u>	<u>29,246</u>
Commercial Sales	95,901	95,985	92,661	90,554	93,290	109,872	129,136	135,785	121,494	99,081	91,056	93,013	1,247,828
Transmission Losses	2,781	2,784	2,687	2,626	2,705	3,186	3,745	3,938	3,523	2,873	2,641	2,697	36,186
Industrial:													
Total Industrial	192,263	192,070	214,243	210,689	219,501	218,175	216,377	225,232	218,159	224,571	205,789	190,354	2,527,423
Transmission Losses	5,576	5,570	6,213	6,110	6,366	6,327	6,275	6,532	6,327	6,513	5,968	5,520	73,297
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	17,210	16,498	15,361	14,718	15,409	18,754	22,164	22,512	19,518	15,849	15,136	16,373	209,502
Transmission Losses	499	478	445	427	447	544	643	653	566	460	439	475	6,076
Central Electric:													
Total Central Electric	692,904	620,937	557,174	522,506	565,971	674,560	766,311	741,983	636,729	533,562	555,263	666,930	7,534,830
Transmission Losses	20,094	18,007	16,158	15,153	16,413	19,562	22,223	21,518	18,465	15,473	16,103	19,341	218,510
Total Energy Sales	1,111,502	1,039,298	965,344	907,009	961,729	1,115,564	1,261,874	1,265,461	1,111,556	951,817	936,830	1,055,850	12,683,834
Total Distribution Losses	5,019	5,035	4,286	3,818	3,860	4,898	6,169	6,617	5,692	4,268	3,855	4,373	57,890
Total Transmission Losses	<u>32,379</u>	<u>30,285</u>	<u>28,119</u>	<u>26,414</u>	<u>28,002</u>	<u>32,493</u>	<u>36,774</u>	<u>36,891</u>	<u>32,400</u>	<u>27,727</u>	<u>27,281</u>	<u>30,746</u>	<u>369,511</u>
Total Output to Lines	1,148,900	1,074,618	997,749	937,241	993,591	1,152,955	1,304,817	1,308,969	1,149,648	983,812	967,966	1,090,969	13,111,235
Woodland Hills Other Central Substations													
Territorial Energy	1,148,900	1,074,618	997,749	937,241	993,591	1,152,955	1,304,817	1,308,969	1,149,648	983,812	967,966	1,090,969	13,111,235
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,148,900	1,074,618	997,749	937,241	993,591	1,152,955	1,304,817	1,308,969	1,149,648	983,812	967,966	1,090,969	13,111,235

SANTEE COOPER ENERGY FORECAST – LOW
Calendar Year 2006 – (MWH)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	117,832	118,424	89,799	71,985	71,035	98,648	133,514	145,987	120,824	82,591	73,038	93,112	1,216,789
Distribution Losses	<u>2,828</u>	<u>2,842</u>	<u>2,155</u>	<u>1,728</u>	<u>1,705</u>	<u>2,368</u>	<u>3,204</u>	<u>3,504</u>	<u>2,900</u>	<u>1,982</u>	<u>1,753</u>	<u>2,235</u>	<u>29,204</u>
Residential Sales	120,660	121,266	91,954	73,713	72,740	101,016	136,718	149,491	123,724	84,573	74,791	95,347	1,245,993
Transmission Losses	3,499	3,517	2,667	2,138	2,109	2,929	3,965	4,335	3,588	2,453	2,169	2,765	36,134
Commercial:													
Total Commercial	94,210	94,288	90,999	88,913	91,589	107,859	126,763	133,284	119,252	97,252	89,379	91,312	1,225,100
Distribution Losses	<u>2,261</u>	<u>2,263</u>	<u>2,184</u>	<u>2,134</u>	<u>2,198</u>	<u>2,589</u>	<u>3,042</u>	<u>3,199</u>	<u>2,862</u>	<u>2,334</u>	<u>2,145</u>	<u>2,191</u>	<u>29,402</u>
Commercial Sales	96,471	96,551	93,183	91,047	93,787	110,448	129,805	136,483	122,114	99,586	91,524	93,503	1,254,502
Transmission Losses	2,798	2,800	2,702	2,640	2,720	3,203	3,764	3,958	3,541	2,888	2,654	2,712	36,380
Industrial:													
Total Industrial	193,318	193,089	215,367	211,807	220,698	219,364	217,560	226,482	219,357	225,802	206,912	191,374	2,541,130
Transmission Losses	5,606	5,600	6,246	6,142	6,400	6,362	6,309	6,568	6,361	6,548	6,000	5,550	73,692
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	17,418	16,682	15,516	14,856	15,556	18,945	22,395	22,735	19,698	15,991	15,282	16,551	211,625
Transmission Losses	505	484	450	431	451	549	649	659	571	464	443	480	6,136
Central Electric:													
Total Central Electric	707,496	633,058	566,834	530,898	575,403	687,263	781,500	756,308	647,994	542,301	564,965	679,869	7,673,889
Transmission Losses	20,517	18,359	16,438	15,396	16,687	19,931	22,664	21,933	18,792	15,727	16,384	19,716	222,544
Total Energy Sales	1,130,274	1,055,541	978,515	918,459	974,281	1,132,079	1,281,732	1,284,796	1,127,125	963,937	949,576	1,072,218	12,868,533
Total Distribution Losses	5,089	5,105	4,339	3,862	3,903	4,957	6,246	6,703	5,762	4,316	3,898	4,426	58,606
Total Transmission Losses	<u>32,925</u>	<u>30,760</u>	<u>28,503</u>	<u>26,747</u>	<u>28,367</u>	<u>32,974</u>	<u>37,351</u>	<u>37,453</u>	<u>32,853</u>	<u>28,080</u>	<u>27,650</u>	<u>31,223</u>	<u>374,886</u>
Total Output to Lines	1,168,288	1,091,406	1,011,357	949,068	1,006,551	1,170,010	1,325,329	1,328,952	1,165,740	996,333	981,124	1,107,867	13,302,025
Woodland Hills													
Other Central Substations													
Territorial Energy	1,168,288	1,091,406	1,011,357	949,068	1,006,551	1,170,010	1,325,329	1,328,952	1,165,740	996,333	981,124	1,107,867	13,302,025
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,168,288	1,091,406	1,011,357	949,068	1,006,551	1,170,010	1,325,329	1,328,952	1,165,740	996,333	981,124	1,107,867	13,302,025

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	120,165	120,763	91,502	73,292	72,311	100,496	136,082	148,807	123,115	84,089	74,343	94,846	1,239,811
Distribution Losses	<u>2,884</u>	<u>2,898</u>	<u>2,196</u>	<u>1,759</u>	<u>1,735</u>	<u>2,412</u>	<u>3,266</u>	<u>3,571</u>	<u>2,955</u>	<u>2,018</u>	<u>1,784</u>	<u>2,276</u>	<u>29,754</u>
Residential Sales	123,049	123,661	93,698	75,051	74,046	102,908	139,348	152,378	126,070	86,107	76,127	97,122	1,269,565
Transmission Losses	3,568	3,586	2,717	2,176	2,147	2,984	4,041	4,419	3,656	2,497	2,208	2,817	36,816
Commercial:													
Total Commercial	94,723	94,797	91,467	89,353	92,032	108,371	127,358	133,904	119,804	97,701	89,797	91,753	1,231,060
Distribution Losses	<u>2,273</u>	<u>2,275</u>	<u>2,195</u>	<u>2,144</u>	<u>2,209</u>	<u>2,601</u>	<u>3,057</u>	<u>3,214</u>	<u>2,875</u>	<u>2,345</u>	<u>2,155</u>	<u>2,202</u>	<u>29,545</u>
Commercial Sales	96,996	97,072	93,662	91,497	94,241	110,972	130,415	137,118	122,679	100,046	91,952	93,955	1,260,605
Transmission Losses	2,813	2,815	2,716	2,653	2,733	3,218	3,782	3,976	3,558	2,901	2,667	2,725	36,557
Industrial:													
Total Industrial	194,375	194,109	216,493	212,928	221,897	220,555	218,746	227,735	220,558	227,035	208,038	192,396	2,554,865
Transmission Losses	5,637	5,629	6,278	6,175	6,435	6,396	6,344	6,604	6,396	6,584	6,033	5,579	74,090
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	17,619	16,860	15,666	14,989	15,698	19,130	22,617	22,949	19,872	16,127	15,422	16,725	213,674
Transmission Losses	511	489	454	435	455	555	656	666	576	468	447	485	6,197
Central Electric:													
Total Central Electric	722,430	645,463	576,721	539,487	585,049	700,239	797,009	770,943	659,519	551,255	574,914	693,139	7,816,168
Transmission Losses	20,950	18,718	16,725	15,645	16,966	20,307	23,113	22,357	19,126	15,986	16,673	20,101	226,667
Total Energy Sales	1,149,312	1,071,992	991,849	930,049	986,987	1,148,791	1,301,812	1,304,338	1,142,868	976,207	962,514	1,088,859	13,055,578
Total Distribution Losses	5,157	5,173	4,391	3,903	3,944	5,013	6,323	6,785	5,830	4,363	3,939	4,478	59,299
Total Transmission Losses	<u>33,479</u>	<u>31,237</u>	<u>28,890</u>	<u>27,084</u>	<u>28,736</u>	<u>33,460</u>	<u>37,936</u>	<u>38,022</u>	<u>33,312</u>	<u>28,436</u>	<u>28,028</u>	<u>31,707</u>	<u>380,327</u>
Total Output to Lines	1,187,948	1,108,402	1,025,130	961,036	1,019,667	1,187,264	1,346,071	1,349,145	1,182,010	1,009,006	994,481	1,125,044	13,495,204
Woodland Hills													
Other Central Substations													
Territorial Energy	1,187,948	1,108,402	1,025,130	961,036	1,019,667	1,187,264	1,346,071	1,349,145	1,182,010	1,009,006	994,481	1,125,044	13,495,204
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,187,948	1,108,402	1,025,130	961,036	1,019,667	1,187,264	1,346,071	1,349,145	1,182,010	1,009,006	994,481	1,125,044	13,495,204

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Residential:													
Total Residential	122,473	123,078	93,188	74,587	73,575	102,324	138,620	151,594	125,381	85,572	75,635	96,562	1,262,589
Distribution Losses	<u>2,939</u>	<u>2,954</u>	<u>2,237</u>	<u>1,790</u>	<u>1,766</u>	<u>2,456</u>	<u>3,327</u>	<u>3,638</u>	<u>3,009</u>	<u>2,054</u>	<u>1,815</u>	<u>2,317</u>	<u>30,302</u>
Residential Sales	125,412	126,032	95,425	76,377	75,341	104,780	141,947	155,232	128,390	87,626	77,450	98,879	1,292,891
Transmission Losses	3,637	3,655	2,767	2,215	2,185	3,039	4,116	4,502	3,723	2,541	2,246	2,867	37,493
Commercial:													
Total Commercial	95,196	95,266	91,896	89,755	92,436	108,839	127,901	134,470	120,307	98,110	90,178	92,155	1,236,509
Distribution Losses	<u>2,285</u>	<u>2,286</u>	<u>2,206</u>	<u>2,154</u>	<u>2,218</u>	<u>2,612</u>	<u>3,070</u>	<u>3,227</u>	<u>2,887</u>	<u>2,355</u>	<u>2,164</u>	<u>2,212</u>	<u>29,676</u>
Commercial Sales	97,481	97,552	94,102	91,909	94,654	111,451	130,971	137,697	123,194	100,465	92,342	94,367	1,266,185
Transmission Losses	2,827	2,829	2,729	2,665	2,745	3,232	3,798	3,993	3,573	2,913	2,678	2,737	36,719
Industrial:													
Total Industrial	195,434	195,132	217,621	214,051	223,100	221,749	219,935	228,991	221,762	228,272	209,166	193,420	2,568,633
Transmission Losses	5,668	5,659	6,311	6,207	6,470	6,431	6,378	6,641	6,431	6,620	6,066	5,609	74,491
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	17,816	17,033	15,810	15,118	15,835	19,308	22,833	23,157	20,040	16,259	15,558	16,893	215,660
Transmission Losses	517	494	458	438	459	560	662	672	581	472	451	490	6,254
Central Electric:													
Total Central Electric	737,755	658,200	586,879	548,315	594,964	713,568	812,938	785,972	671,357	560,460	585,137	706,769	7,962,314
Transmission Losses	21,395	19,088	17,019	15,901	17,254	20,693	23,575	22,793	19,469	16,253	16,969	20,496	230,905
Total Energy Sales	1,168,674	1,088,709	1,005,394	941,826	999,910	1,165,788	1,322,227	1,324,184	1,158,847	988,673	975,674	1,105,799	13,245,705
Total Distribution Losses	5,224	5,240	4,443	3,944	3,984	5,068	6,397	6,865	5,896	4,409	3,979	4,529	59,978
Total Transmission Losses	<u>34,044</u>	<u>31,725</u>	<u>29,284</u>	<u>27,426</u>	<u>29,113</u>	<u>33,955</u>	<u>38,529</u>	<u>38,601</u>	<u>33,777</u>	<u>28,799</u>	<u>28,410</u>	<u>32,199</u>	<u>385,862</u>
Total Output to Lines	1,207,942	1,125,674	1,039,121	973,196	1,033,007	1,204,811	1,367,153	1,369,650	1,198,520	1,021,881	1,008,063	1,142,527	13,691,545
Woodland Hills													
Other Central Substations													
Territorial Energy	1,207,942	1,125,674	1,039,121	973,196	1,033,007	1,204,811	1,367,153	1,369,650	1,198,520	1,021,881	1,008,063	1,142,527	13,691,545
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,207,942	1,125,674	1,039,121	973,196	1,033,007	1,204,811	1,367,153	1,369,650	1,198,520	1,021,881	1,008,063	1,142,527	13,691,545

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Residential:													
Total Residential	124,756	125,368	94,857	75,869	74,827	104,132	141,130	154,348	127,622	87,039	76,915	98,261	1,285,124
Distribution Losses	<u>2,994</u>	<u>3,009</u>	<u>2,277</u>	<u>1,821</u>	<u>1,796</u>	<u>2,499</u>	<u>3,387</u>	<u>3,704</u>	<u>3,063</u>	<u>2,089</u>	<u>1,846</u>	<u>2,358</u>	<u>30,843</u>
Residential Sales	127,750	128,377	97,134	77,690	76,623	106,631	144,517	158,052	130,685	89,128	78,761	100,619	1,315,967
Transmission Losses	3,705	3,723	2,817	2,253	2,222	3,092	4,191	4,584	3,790	2,585	2,284	2,918	38,164
Commercial:													
Total Commercial	95,629	95,696	92,287	90,119	92,801	109,261	128,390	134,979	120,759	98,478	90,521	92,520	1,241,440
Distribution Losses	<u>2,295</u>	<u>2,297</u>	<u>2,215</u>	<u>2,163</u>	<u>2,227</u>	<u>2,622</u>	<u>3,081</u>	<u>3,239</u>	<u>2,898</u>	<u>2,363</u>	<u>2,173</u>	<u>2,220</u>	<u>29,793</u>
Commercial Sales	97,924	97,993	94,502	92,282	95,028	111,883	131,471	138,218	123,657	100,841	92,694	94,740	1,271,233
Transmission Losses	2,840	2,842	2,741	2,676	2,756	3,245	3,813	4,008	3,586	2,924	2,688	2,747	36,866
Industrial:													
Total Industrial	196,496	196,157	218,752	215,176	224,305	222,946	221,127	230,250	222,968	229,512	210,297	194,446	2,582,432
Transmission Losses	5,698	5,689	6,344	6,240	6,505	6,465	6,413	6,677	6,466	6,656	6,099	5,639	74,891
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	18,006	17,201	15,950	15,242	15,967	19,481	23,041	23,357	20,202	16,385	15,689	17,056	217,577
Transmission Losses	522	499	463	442	463	565	668	677	586	475	455	495	6,310
Central Electric:													
Total Central Electric	753,488	671,272	597,301	557,368	605,120	727,204	829,222	801,341	683,474	569,894	595,620	720,750	8,112,054
Transmission Losses	21,851	19,467	17,322	16,164	17,548	21,089	24,047	23,239	19,821	16,527	17,273	20,902	235,250
Total Energy Sales	1,188,375	1,105,694	1,019,147	953,774	1,013,020	1,183,024	1,342,910	1,344,275	1,175,025	1,001,308	989,042	1,123,033	13,438,627
Total Distribution Losses	5,289	5,306	4,492	3,984	4,023	5,121	6,468	6,943	5,961	4,452	4,019	4,578	60,636
Total Transmission Losses	<u>34,616</u>	<u>32,220</u>	<u>29,687</u>	<u>27,775</u>	<u>29,494</u>	<u>34,456</u>	<u>39,132</u>	<u>39,185</u>	<u>34,249</u>	<u>29,167</u>	<u>28,799</u>	<u>32,701</u>	<u>391,481</u>
Total Output to Lines	1,228,280	1,143,220	1,053,326	985,533	1,046,537	1,222,601	1,388,510	1,390,403	1,215,235	1,034,927	1,021,860	1,160,312	13,890,744
Woodland Hills													
Other Central Substations													
Territorial Energy	1,228,280	1,143,220	1,053,326	985,533	1,046,537	1,222,601	1,388,510	1,390,403	1,215,235	1,034,927	1,021,860	1,160,312	13,890,744
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,228,280	1,143,220	1,053,326	985,533	1,046,537	1,222,601	1,388,510	1,390,403	1,215,235	1,034,927	1,021,860	1,160,312	13,890,744

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Residential:													
Total Residential	127,016	127,634	96,508	77,138	76,066	105,920	143,610	157,075	129,845	88,500	78,193	99,960	1,307,465
Distribution Losses	<u>3,048</u>	<u>3,063</u>	<u>2,316</u>	<u>1,851</u>	<u>1,826</u>	<u>2,542</u>	<u>3,447</u>	<u>3,770</u>	<u>3,116</u>	<u>2,124</u>	<u>1,877</u>	<u>2,399</u>	<u>31,379</u>
Residential Sales	130,064	130,697	98,824	78,989	77,892	108,462	147,057	160,845	132,961	90,624	80,070	102,359	1,338,844
Transmission Losses	3,772	3,790	2,866	2,291	2,259	3,145	4,265	4,665	3,856	2,628	2,322	2,968	38,827
Commercial:													
Total Commercial	96,024	96,087	92,641	90,448	93,130	109,639	128,828	135,439	121,172	98,817	90,842	92,865	1,245,932
Distribution Losses	<u>2,305</u>	<u>2,306</u>	<u>2,223</u>	<u>2,171</u>	<u>2,235</u>	<u>2,631</u>	<u>3,092</u>	<u>3,251</u>	<u>2,908</u>	<u>2,372</u>	<u>2,180</u>	<u>2,229</u>	<u>29,903</u>
Commercial Sales	98,329	98,393	94,864	92,619	95,365	112,270	131,920	138,690	124,080	101,189	93,022	95,094	1,275,835
Transmission Losses	2,852	2,853	2,751	2,686	2,766	3,256	3,826	4,022	3,598	2,934	2,698	2,758	37,000
Industrial:													
Total Industrial	197,560	197,185	219,886	216,305	225,513	224,146	222,322	231,512	224,177	230,754	211,430	195,475	2,596,265
Transmission Losses	5,729	5,718	6,377	6,273	6,540	6,500	6,447	6,714	6,501	6,692	6,131	5,669	75,291
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	18,192	17,364	16,085	15,361	16,095	19,648	23,243	23,551	20,358	16,508	15,818	17,217	219,440
Transmission Losses	528	504	466	445	467	570	674	683	590	479	459	499	6,364
Central Electric:													
Total Central Electric	769,630	684,689	608,000	566,665	615,547	741,195	845,926	817,113	695,919	579,594	606,403	735,130	8,265,811
Transmission Losses	22,319	19,856	17,632	16,433	17,851	21,495	24,532	23,696	20,182	16,808	17,586	21,319	239,709
Total Energy Sales	1,208,422	1,122,959	1,033,120	965,917	1,026,351	1,200,548	1,363,929	1,364,690	1,191,471	1,014,173	1,002,686	1,140,647	13,634,913
Total Distribution Losses	5,353	5,369	4,539	4,022	4,061	5,173	6,539	7,021	6,024	4,496	4,057	4,628	61,282
Total Transmission Losses	<u>35,200</u>	<u>32,721</u>	<u>30,092</u>	<u>28,128</u>	<u>29,883</u>	<u>34,966</u>	<u>39,744</u>	<u>39,780</u>	<u>34,727</u>	<u>29,541</u>	<u>29,196</u>	<u>33,213</u>	<u>397,191</u>
Total Output to Lines Woodland Hills Other Central Substations	1,248,975	1,161,049	1,067,751	998,067	1,060,295	1,240,687	1,410,212	1,411,491	1,232,222	1,048,210	1,035,939	1,178,488	14,093,386
Territorial Energy Off-System Sales: NCEMPA	1,248,975	1,161,049	1,067,751	998,067	1,060,295	1,240,687	1,410,212	1,411,491	1,232,222	1,048,210	1,035,939	1,178,488	14,093,386
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,248,975	1,161,049	1,067,751	998,067	1,060,295	1,240,687	1,410,212	1,411,491	1,232,222	1,048,210	1,035,939	1,178,488	14,093,386

SANTEE COOPER ENERGY FORECAST – LOW
Calendar Year 2011 – (MWH)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	129,279	129,908	98,171	78,420	77,320	107,729	146,121	159,836	132,097	89,983	79,491	101,683	1,330,038
Distribution Losses	<u>3,103</u>	<u>3,118</u>	<u>2,356</u>	<u>1,882</u>	<u>1,856</u>	<u>2,585</u>	<u>3,507</u>	<u>3,836</u>	<u>3,170</u>	<u>2,160</u>	<u>1,908</u>	<u>2,440</u>	<u>31,921</u>
Residential Sales	132,382	133,026	100,527	80,302	79,176	110,314	149,628	163,672	135,267	92,143	81,399	104,123	1,361,959
Transmission Losses	3,839	3,858	2,915	2,329	2,296	3,199	4,339	4,746	3,923	2,672	2,361	3,020	39,497
Commercial:													
Total Commercial	96,402	96,464	92,984	90,768	93,453	110,015	129,268	135,901	121,586	99,158	91,164	93,211	1,250,374
Distribution Losses	<u>2,314</u>	<u>2,315</u>	<u>2,232</u>	<u>2,178</u>	<u>2,243</u>	<u>2,640</u>	<u>3,102</u>	<u>3,262</u>	<u>2,918</u>	<u>2,380</u>	<u>2,188</u>	<u>2,237</u>	<u>30,009</u>
Commercial Sales	98,716	98,779	95,216	92,946	95,696	112,655	132,370	139,163	124,504	101,538	93,352	95,448	1,280,383
Transmission Losses	2,863	2,865	2,761	2,695	2,775	3,267	3,839	4,036	3,611	2,945	2,707	2,768	37,132
Industrial:													
Total Industrial	198,626	198,215	221,022	217,436	226,724	225,349	223,520	232,777	225,389	232,000	212,566	196,506	2,610,130
Transmission Losses	5,760	5,748	6,410	6,306	6,575	6,535	6,482	6,751	6,536	6,728	6,164	5,699	75,694
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	18,375	17,526	16,220	15,481	16,223	19,816	23,447	23,747	20,517	16,633	15,948	17,381	221,314
Transmission Losses	533	508	470	449	470	575	680	689	595	482	462	504	6,417
Central Electric:													
Total Central Electric	786,235	698,493	619,012	576,235	626,276	755,578	863,093	833,324	708,721	589,582	617,507	749,935	8,423,991
Transmission Losses	22,801	20,256	17,951	16,711	18,162	21,912	25,030	24,166	20,553	17,098	17,908	21,748	244,296
Total Energy Sales	1,228,917	1,140,606	1,047,409	978,340	1,039,996	1,218,487	1,385,449	1,385,585	1,208,310	1,027,356	1,016,676	1,158,716	13,835,847
Total Distribution Losses	5,417	5,433	4,588	4,060	4,099	5,225	6,609	7,098	6,088	4,540	4,096	4,677	61,930
Total Transmission Losses	<u>35,796</u>	<u>33,235</u>	<u>30,507</u>	<u>28,490</u>	<u>30,278</u>	<u>35,488</u>	<u>40,370</u>	<u>40,388</u>	<u>35,218</u>	<u>29,925</u>	<u>29,602</u>	<u>33,739</u>	<u>403,036</u>
Total Output to Lines	1,270,130	1,179,274	1,082,504	1,010,890	1,074,373	1,259,200	1,432,428	1,433,071	1,249,616	1,061,821	1,050,374	1,197,132	14,300,813
Woodland Hills													
Other Central Substations													
Territorial Energy	1,270,130	1,179,274	1,082,504	1,010,890	1,074,373	1,259,200	1,432,428	1,433,071	1,249,616	1,061,821	1,050,374	1,197,132	14,300,813
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,270,130	1,179,274	1,082,504	1,010,890	1,074,373	1,259,200	1,432,428	1,433,071	1,249,616	1,061,821	1,050,374	1,197,132	14,300,813

SANTEE COOPER ENERGY FORECAST – LOW
Calendar Year 2012 – (MWH)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	131,573	132,213	99,857	79,721	78,592	109,563	148,663	162,620	134,362	91,471	80,789	103,400	1,352,824
Distribution Losses	<u>3,158</u>	<u>3,173</u>	<u>2,397</u>	<u>1,913</u>	<u>1,886</u>	<u>2,630</u>	<u>3,568</u>	<u>3,903</u>	<u>3,225</u>	<u>2,195</u>	<u>1,939</u>	<u>2,482</u>	<u>32,469</u>
Residential Sales	134,731	135,386	102,254	81,634	80,478	112,193	152,231	166,523	137,587	93,666	82,728	105,882	1,385,293
Transmission Losses	3,907	3,926	2,965	2,367	2,334	3,254	4,415	4,829	3,990	2,716	2,399	3,071	40,173
Commercial:													
Total Commercial	96,782	96,844	93,329	91,090	93,778	110,392	129,710	136,361	121,996	99,492	91,478	93,547	1,254,799
Distribution Losses	<u>2,323</u>	<u>2,324</u>	<u>2,240</u>	<u>2,186</u>	<u>2,251</u>	<u>2,649</u>	<u>3,113</u>	<u>3,273</u>	<u>2,928</u>	<u>2,388</u>	<u>2,195</u>	<u>2,245</u>	<u>30,115</u>
Commercial Sales	99,105	99,168	95,569	93,276	96,029	113,041	132,823	139,634	124,924	101,880	93,673	95,792	1,284,914
Transmission Losses	2,874	2,876	2,772	2,705	2,785	3,278	3,852	4,049	3,623	2,955	2,717	2,778	37,264
Industrial:													
Total Industrial	199,695	199,247	222,161	218,569	227,938	226,555	224,721	234,045	226,604	233,248	213,704	197,540	2,624,027
Transmission Losses	5,791	5,778	6,443	6,339	6,610	6,570	6,517	6,787	6,572	6,764	6,197	5,729	76,097
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	18,561	17,689	16,357	15,602	16,353	19,987	23,653	23,944	20,675	16,757	16,076	17,540	223,194
Transmission Losses	538	513	474	452	474	580	686	694	600	486	466	509	6,472
Central Electric:													
Total Central Electric	803,329	712,706	630,353	586,093	637,320	770,370	880,739	849,952	721,828	599,793	628,831	764,994	8,586,308
Transmission Losses	23,297	20,668	18,280	16,997	18,482	22,341	25,541	24,649	20,933	17,394	18,236	22,185	249,003
Total Energy Sales	1,249,940	1,158,699	1,062,057	991,075	1,053,981	1,236,867	1,407,486	1,406,922	1,225,465	1,040,761	1,030,878	1,177,021	14,041,152
Total Distribution Losses	5,481	5,497	4,637	4,099	4,137	5,279	6,681	7,176	6,153	4,583	4,134	4,727	62,584
Total Transmission Losses	<u>36,407</u>	<u>33,761</u>	<u>30,934</u>	<u>28,860</u>	<u>30,685</u>	<u>36,023</u>	<u>41,011</u>	<u>41,008</u>	<u>35,718</u>	<u>30,315</u>	<u>30,015</u>	<u>34,272</u>	<u>409,009</u>
Total Output to Lines	1,291,828	1,197,957	1,097,628	1,024,034	1,088,803	1,278,169	1,455,178	1,455,106	1,267,336	1,075,659	1,065,027	1,216,020	14,512,745
Woodland Hills													
Other Central Substations													
Territorial Energy	1,291,828	1,197,957	1,097,628	1,024,034	1,088,803	1,278,169	1,455,178	1,455,106	1,267,336	1,075,659	1,065,027	1,216,020	14,512,745
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,291,828	1,197,957	1,097,628	1,024,034	1,088,803	1,278,169	1,455,178	1,455,106	1,267,336	1,075,659	1,065,027	1,216,020	14,512,745

SANTEE COOPER DEMAND FORECAST – LOW

Summary Table – (MW)

Final

	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>
Distribution:																				
Peak	432	454	468	480	491	502	511	330	530	539	548	556	564	573	581	589	596	603	611	619
Less: DSM Projections	5	6	8	9	11	12	14	0	17	18	20	21	23	24	25	27	28	30	31	33
Distribution Losses	10	11	11	11	12	12	12	8	12	13	13	13	13	13	13	13	14	14	14	14
Transmission Losses	16	17	17	18	18	18	19	12	19	19	20	20	20	21	21	21	21	21	22	22
TOTAL DISTRIBUTION	453	476	488	500	510	520	528	350	544	553	561	568	574	583	590	596	603	608	616	622
Industrial (including Military):																				
Total Industrial	290	287	243	229	222	224	225	291	227	228	229	231	232	233	234	236	237	238	240	241
Transmission Losses	11	10	9	8	8	8	8	11	8	8	8	8	8	9	9	9	9	9	9	9
TOTAL INDUSTRIAL	301	297	252	237	230	232	233	302	235	236	237	239	240	242	243	245	246	247	249	250
Alumax:																				
Peak	300	300	300	300	300	300	300	300	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	11	11	11	11	11	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL ALUMAX	311	311	311	311	311	311	311	311	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:																				
Peak	31	32	33	34	34	35	35	29	36	37	37	38	38	38	39	39	40	40	40	41
Transmission Losses	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TOTAL MUNICIPALS	32	33	34	35	35	36	36	30	37	38	38	39	39	39	40	40	41	41	41	42
Central Electric:																				
Peak	1,215	1,247	1,283	1,306	1,331	1,363	1,395	1,215	1,449	1,482	1,517	1,576	1,612	1,648	1,685	1,724	1,762	1,802	1,843	1,885
Less: DSM Projections	19	25	31	38	45	52	59	0	72	78	83	88	92	97	101	105	110	114	118	123
Transmission Losses	44	45	46	46	47	48	49	44	50	51	52	54	55	57	58	59	60	62	63	64
TOTAL Central Electric	1,240	1,267	1,298	1,314	1,333	1,359	1,385	1,259	1,427	1,455	1,486	1,542	1,575	1,608	1,642	1,678	1,712	1,750	1,788	1,826
Total System:	2,244	2,289	2,288	2,302	2,322	2,360	2,393	2,165	2,153	2,190	2,228	2,292	2,331	2,371	2,413	2,456	2,497	2,539	2,585	2,630
Total System Losses:	93	95	95	95	97	98	100	87	90	92	94	96	97	101	102	103	105	107	109	110
Territorial Sales	2,337	2,384	2,383	2,397	2,419	2,458	2,493	2,252	2,243	2,282	2,322	2,388	2,428	2,472	2,515	2,559	2,602	2,646	2,694	2,740
Other Central Substations	16	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	8	9	9	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Territorial Load	2,313	2,358	2,357	2,387	2,419	2,458	2,493	2,252	2,243	2,282	2,322	2,388	2,428	2,472	2,515	2,559	2,602	2,646	2,694	2,740
Off-System Peak:																				
NCEMPA	77	100	100	100	100	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Off-System Peak	77	100	100	100	100	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Requirements	2,390	2,458	2,457	2,487	2,519	2,508	2,493	2,252	2,243	2,282	2,322	2,388	2,428	2,472	2,515	2,559	2,602	2,646	2,694	2,740

SANTÉE COOPER DEMAND FORECAST – LOW
Calendar Year 1993 – (MW)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	317	331	273	221	325	398	432	432	372	222	286	322	432
Less: DSM Projections	9	9	0	0	0	5	5	5	5	0	0	9	5
Distribution Losses	7	8	7	5	8	9	10	10	9	5	7	8	10
Transmission Losses	<u>11</u>	<u>12</u>	<u>10</u>	<u>8</u>	<u>12</u>	<u>15</u>	<u>16</u>	<u>16</u>	<u>14</u>	<u>8</u>	<u>11</u>	<u>12</u>	<u>16</u>
TOTAL DISTRIBUTION	326	342	290	234	345	417	453	453	390	235	304	333	453
Industrial (including Military):													
Total Industrial	258	242	336	356	389	277	290	287	384	362	346	241	290
Transmission Losses	9	9	<u>12</u>	<u>13</u>	<u>14</u>	<u>10</u>	<u>11</u>	<u>10</u>	<u>14</u>	<u>13</u>	<u>13</u>	9	<u>11</u>
TOTAL INDUSTRIAL	267	251	348	369	403	287	301	297	398	375	359	250	301
Alumax:													
Peak	301	302	300	301	299	301	300	299	299	299	301	301	300
Transmission Losses	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>
TOTAL ALUMAX	312	313	311	312	310	312	311	310	310	310	312	312	311
Municipals:													
Peak	24	26	24	19	25	28	31	31	28	19	22	26	31
Transmission Losses	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
TOTAL MUNICIPALS	25	27	25	20	26	29	32	32	29	20	23	27	32
Central Electric:													
Peak	1,131	1,175	1,032	903	940	1,142	1,215	1,200	1,026	925	1,044	1,176	1,215
Less: DSM Projections	34	34	0	0	0	19	19	19	19	0	0	40	19
Transmission Losses	<u>40</u>	<u>42</u>	<u>38</u>	<u>33</u>	<u>34</u>	<u>41</u>	<u>44</u>	<u>43</u>	<u>37</u>	<u>34</u>	<u>38</u>	<u>41</u>	<u>44</u>
TOTAL CENTRAL ELECTRIC	<u>1,137</u>	<u>1,183</u>	<u>1,070</u>	<u>936</u>	<u>974</u>	<u>1,164</u>	<u>1,240</u>	<u>1,224</u>	<u>1,044</u>	<u>959</u>	<u>1,082</u>	<u>1,177</u>	<u>1,240</u>
Total System:	1,988	2,033	1,965	1,800	1,978	2,122	2,244	2,225	2,085	1,827	1,999	2,017	2,244
Total System Losses:	<u>79</u>	<u>83</u>	<u>79</u>	<u>71</u>	<u>80</u>	<u>87</u>	<u>93</u>	<u>91</u>	<u>86</u>	<u>72</u>	<u>81</u>	<u>82</u>	<u>93</u>
Territorial Sales													
Woodland Hills	13	13	12	11	13	14	16	16	15	11	11	13	16
Other Central Substations	9	8	8	6	5	7	8	8	7	6	7	8	8
Territorial Load	2,045	2,095	2,024	1,854	2,040	2,188	2,313	2,292	2,149	1,882	2,062	2,078	2,313
Off-System Peak:													
NCEMPA	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>
Total Off-System Peak	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>
Total Load Requirements	2,122	2,172	2,101	1,931	2,117	2,265	2,390	2,369	2,226	1,959	2,139	2,155	2,390

SANTEE COOPER DEMAND FORECAST – LOW
 Calendar Year 1994 – (MW)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	332	346	286	229	342	420	454	453	388	229	297	334	454
Less: DSM Projections	11	11	0	0	0	6	6	6	6	0	0	12	6
Distribution Losses	8	8	7	5	8	10	11	11	9	5	7	8	11
Transmission Losses	<u>12</u>	<u>13</u>	<u>11</u>	<u>9</u>	<u>13</u>	<u>15</u>	<u>17</u>	<u>17</u>	<u>14</u>	<u>9</u>	<u>11</u>	<u>12</u>	<u>17</u>
TOTAL DISTRIBUTION	341	356	304	243	363	439	476	475	405	243	315	342	476
Industrial (including Military):													
Total Industrial	257	240	336	356	388	274	287	284	382	361	346	240	287
Transmission Losses	<u>9</u>	<u>9</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>10</u>	<u>10</u>	<u>10</u>	<u>14</u>	<u>13</u>	<u>13</u>	<u>9</u>	<u>10</u>
TOTAL INDUSTRIAL	266	249	348	369	402	284	297	294	396	374	359	249	297
Alumax:													
Peak	301	302	300	301	299	301	300	299	299	299	301	301	300
Transmission Losses	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>
TOTAL ALUMAX	312	313	311	312	310	312	311	310	310	310	312	312	311
Municipals:													
Peak	25	27	25	20	26	30	32	32	29	19	23	27	32
Transmission Losses	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
TOTAL MUNICIPALS	26	28	26	21	27	31	33	33	30	20	24	28	33
Central Electric:													
Peak	1,166	1,210	1,063	929	967	1,173	1,247	1,233	1,055	952	1,076	1,212	1,247
Less: DSM Projections	46	47	0	0	0	25	25	25	25	0	0	53	25
Transmission Losses	<u>41</u>	<u>42</u>	<u>39</u>	<u>34</u>	<u>35</u>	<u>42</u>	<u>45</u>	<u>44</u>	<u>38</u>	<u>35</u>	<u>39</u>	<u>42</u>	<u>45</u>
TOTAL CENTRAL ELECTRIC	<u>1,161</u>	<u>1,205</u>	<u>1,102</u>	<u>963</u>	<u>1,002</u>	<u>1,190</u>	<u>1,267</u>	<u>1,252</u>	<u>1,068</u>	<u>987</u>	<u>1,115</u>	<u>1,201</u>	<u>1,267</u>
Total System:	2,024	2,067	2,010	1,835	2,022	2,167	2,289	2,270	2,122	1,860	2,043	2,049	2,289
Total System Losses:	<u>82</u>	<u>84</u>	<u>81</u>	<u>73</u>	<u>82</u>	<u>89</u>	<u>95</u>	<u>94</u>	<u>87</u>	<u>74</u>	<u>82</u>	<u>83</u>	<u>95</u>
Territorial Sales													
Woodland Hills	14	13	12	11	14	15	17	17	16	11	12	14	17
Other Central Substations	<u>8</u>	<u>8</u>	<u>7</u>	<u>6</u>	<u>5</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>8</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>
Territorial Load	2,084	2,130	2,072	1,891	2,085	2,233	2,358	2,338	2,185	1,917	2,106	2,110	2,358
Off-System Peak:													
NCEMPA	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>
Total Off-System Peak	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>
Total Load Requirements	2,184	2,230	2,172	1,991	2,185	2,333	2,458	2,438	2,285	2,017	2,206	2,210	2,458

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	345	358	296	237	352	433	468	467	400	236	305	344	468
Less: DSM Projections	13	14	0	0	0	8	8	8	8	0	0	14	8
Distribution Losses	8	8	7	6	8	10	11	11	9	6	7	8	11
Transmission Losses	<u>12</u>	<u>13</u>	<u>11</u>	<u>9</u>	<u>13</u>	<u>16</u>	<u>17</u>	<u>17</u>	<u>15</u>	<u>9</u>	<u>11</u>	<u>12</u>	<u>17</u>
TOTAL DISTRIBUTION	352	365	314	252	373	451	488	487	416	251	323	350	488
Industrial (including Military):													
Total Industrial	209	200	300	310	343	230	243	246	338	319	305	210	243
Transmission Losses	<u>8</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>13</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>12</u>	<u>12</u>	<u>11</u>	<u>8</u>	<u>9</u>
TOTAL INDUSTRIAL	217	207	311	321	356	238	252	255	350	331	316	218	252
Alumax:													
Peak	301	302	300	301	299	301	300	299	299	299	301	301	300
Transmission Losses	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>
TOTAL ALUMAX	312	313	311	312	310	312	311	310	310	310	312	312	311
Municipals:													
Peak	26	28	26	21	27	30	33	33	30	20	24	28	33
Transmission Losses	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
TOTAL MUNICIPALS	27	29	27	22	28	31	34	34	31	21	25	29	34
Central Electric:													
Peak	1,198	1,243	1,093	956	995	1,206	1,283	1,268	1,086	980	1,107	1,245	1,283
Less: DSM Projections	59	60	0	0	0	31	31	32	32	0	0	67	31
Transmission Losses	<u>42</u>	<u>43</u>	<u>40</u>	<u>35</u>	<u>36</u>	<u>43</u>	<u>46</u>	<u>45</u>	<u>38</u>	<u>36</u>	<u>40</u>	<u>43</u>	<u>46</u>
TOTAL CENTRAL ELECTRIC	<u>1,181</u>	<u>1,226</u>	<u>1,133</u>	<u>991</u>	<u>1,031</u>	<u>1,218</u>	<u>1,298</u>	<u>1,281</u>	<u>1,092</u>	<u>1,016</u>	<u>1,147</u>	<u>1,221</u>	<u>1,298</u>
Total System:	2,007	2,057	2,015	1,825	2,016	2,161	2,288	2,273	2,113	1,854	2,042	2,047	2,288
Total System Losses:	<u>82</u>	<u>83</u>	<u>81</u>	<u>73</u>	<u>82</u>	<u>89</u>	<u>95</u>	<u>94</u>	<u>86</u>	<u>75</u>	<u>81</u>	<u>83</u>	<u>95</u>
Territorial Sales	2,089	2,140	2,096	1,898	2,098	2,250	2,383	2,367	2,199	1,929	2,123	2,130	2,383
Woodland Hills	14	13	12	11	14	15	17	17	16	11	12	14	17
Other Central Substations	<u>9</u>	<u>8</u>	<u>8</u>	<u>6</u>	<u>6</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>8</u>	<u>6</u>	<u>8</u>	<u>9</u>	<u>9</u>
Territorial Load	2,066	2,119	2,076	1,881	2,078	2,227	2,357	2,341	2,175	1,912	2,103	2,107	2,357
Off-System Peak:													
NCEMPA	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>
Total Off-System Peak	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>
Total Load Requirements	2,166	2,219	2,176	1,981	2,178	2,327	2,457	2,441	2,275	2,012	2,203	2,207	2,457

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Distribution:													
Peak	354	369	304	243	361	444	480	478	409	241	312	351	480
Less: DSM Projections	16	16	0	0	0	9	9	9	9	0	0	17	9
Distribution Losses	8	8	7	6	9	10	11	11	10	6	7	8	11
Transmission Losses	<u>13</u>	<u>13</u>	<u>11</u>	<u>9</u>	<u>14</u>	<u>16</u>	<u>18</u>	<u>18</u>	<u>15</u>	<u>9</u>	<u>12</u>	<u>12</u>	<u>18</u>
TOTAL DISTRIBUTION	359	374	322	258	384	461	500	498	425	256	331	354	500
Industrial (Including Military):													
Total Industrial	199	190	290	299	332	217	229	232	324	307	294	200	229
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>8</u>
TOTAL INDUSTRIAL	206	197	301	310	344	225	237	240	336	318	305	207	237
Alumax:													
Peak	301	302	300	301	299	301	300	299	299	299	301	301	300
Transmission Losses	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>
TOTAL ALUMAX	312	313	311	312	310	312	311	310	310	310	312	312	311
Municipals:													
Peak	27	29	27	22	28	31	34	34	31	21	25	29	34
Transmission Losses	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
TOTAL MUNICIPALS	28	30	28	23	29	32	35	35	32	22	26	30	35
Central Electric:													
Peak	1,227	1,273	1,117	975	1,014	1,227	1,306	1,291	1,103	997	1,128	1,269	1,306
Less: DSM Projections	73	74	0	0	0	38	38	38	39	0	0	81	38
Transmission Losses	<u>42</u>	<u>44</u>	<u>41</u>	<u>36</u>	<u>37</u>	<u>43</u>	<u>46</u>	<u>46</u>	<u>39</u>	<u>36</u>	<u>41</u>	<u>43</u>	<u>46</u>
TOTAL CENTRAL ELECTRIC	<u>1,196</u>	<u>1,243</u>	<u>1,158</u>	<u>1,011</u>	<u>1,051</u>	<u>1,232</u>	<u>1,314</u>	<u>1,299</u>	<u>1,103</u>	<u>1,033</u>	<u>1,169</u>	<u>1,231</u>	<u>1,314</u>
Total System:	2,019	2,073	2,038	1,840	2,034	2,173	2,302	2,287	2,118	1,865	2,060	2,052	2,302
Total System Losses:	<u>82</u>	<u>84</u>	<u>82</u>	<u>74</u>	<u>84</u>	<u>89</u>	<u>95</u>	<u>95</u>	<u>88</u>	<u>74</u>	<u>83</u>	<u>82</u>	<u>95</u>
Territorial Sales	2,101	2,157	2,120	1,914	2,118	2,262	2,397	2,382	2,206	1,939	2,143	2,134	2,397
Woodland Hills													0
Other Central Substations	<u>9</u>	<u>9</u>	<u>8</u>	<u>7</u>	<u>6</u>	<u>9</u>	<u>10</u>	<u>10</u>	<u>8</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>
Territorial Load	2,092	2,148	2,112	1,907	2,112	2,253	2,387	2,372	2,198	1,932	2,135	2,125	2,387
Off-System Peak:													
NCEMPA	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>
Total Off-System Peak	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>
Total Load Requirements	2,192	2,248	2,212	2,007	2,212	2,353	2,487	2,472	2,298	2,032	2,235	2,225	2,487

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Distribution:													
Peak	362	378	310	248	369	454	491	489	418	247	319	360	491
Less: DSM Projections	19	19	0	0	0	11	11	11	11	0	0	20	11
Distribution Losses	8	9	7	6	9	11	12	11	10	6	8	8	12
Transmission Losses	<u>13</u>	<u>13</u>	<u>12</u>	<u>9</u>	<u>14</u>	<u>17</u>	<u>18</u>	<u>18</u>	<u>15</u>	<u>9</u>	<u>12</u>	<u>13</u>	<u>18</u>
TOTAL DISTRIBUTION	364	381	329	263	392	471	510	507	432	262	339	361	510
Industrial (including Military):													
Total Industrial	194	186	286	294	327	211	222	226	319	303	289	195	222
Transmission Losses	<u>7</u>	<u>7</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>8</u>
TOTAL INDUSTRIAL	201	193	296	305	339	219	230	234	331	314	300	202	230
Alumax:													
Peak	301	302	300	301	299	301	300	299	299	299	301	301	300
Transmission Losses	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>
TOTAL ALUMAX	312	313	311	312	310	312	311	310	310	310	312	312	311
Municipals:													
Peak	28	30	27	22	28	32	34	34	31	21	25	29	34
Transmission Losses	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
TOTAL MUNICIPALS	29	31	28	23	29	33	35	35	32	22	26	30	35
Central Electric:													
Peak	1,253	1,301	1,140	995	1,034	1,251	1,331	1,317	1,126	1,017	1,154	1,300	1,331
Less: DSM Projections	88	89	0	0	0	45	45	45	46	0	0	96	45
Transmission Losses	<u>43</u>	<u>44</u>	<u>42</u>	<u>36</u>	<u>38</u>	<u>44</u>	<u>47</u>	<u>46</u>	<u>39</u>	<u>37</u>	<u>42</u>	<u>44</u>	<u>47</u>
TOTAL CENTRAL ELECTRIC	<u>1,208</u>	<u>1,256</u>	<u>1,182</u>	<u>1,031</u>	<u>1,072</u>	<u>1,250</u>	<u>1,333</u>	<u>1,318</u>	<u>1,119</u>	<u>1,054</u>	<u>1,196</u>	<u>1,248</u>	<u>1,333</u>
Total System:	2,031	2,089	2,063	1,860	2,057	2,193	2,322	2,309	2,136	1,887	2,088	2,069	2,322
Total System Losses:	<u>83</u>	<u>85</u>	<u>83</u>	<u>74</u>	<u>85</u>	<u>92</u>	<u>97</u>	<u>95</u>	<u>88</u>	<u>75</u>	<u>85</u>	<u>84</u>	<u>97</u>
Territorial Sales	2,114	2,174	2,146	1,934	2,142	2,285	2,419	2,404	2,224	1,962	2,173	2,153	2,419
Woodland Hills													0
Other Central Substations													0
Territorial Load	2,114	2,174	2,146	1,934	2,142	2,285	2,419	2,404	2,224	1,962	2,173	2,153	2,419
Off-System Peak:													
NCEMPA	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>
Total Off-System Peak	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>
Total Load Requirements	2,214	2,274	2,246	2,034	2,242	2,385	2,519	2,504	2,324	2,062	2,273	2,253	2,519

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Distribution:													
Peak	371	366	317	254	376	464	502	500	427	252	326	367	502
Less: DSM Projections	22	22	0	0	0	12	12	12	12	0	0	23	12
Distribution Losses	8	9	8	6	9	11	12	12	10	6	8	8	12
Transmission Losses	<u>13</u>	<u>14</u>	<u>12</u>	<u>9</u>	<u>14</u>	<u>17</u>	<u>18</u>	<u>18</u>	<u>16</u>	<u>9</u>	<u>12</u>	<u>13</u>	<u>18</u>
TOTAL DISTRIBUTION	370	387	337	269	399	480	520	518	441	267	346	365	520
Industrial (including Military):													
Total Industrial	195	187	288	296	328	212	224	227	320	304	291	196	224
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>8</u>
TOTAL INDUSTRIAL	202	194	299	307	340	220	232	235	332	315	302	203	232
Alumax:													
Peak	301	302	300	301	299	301	300	299	299	299	301	301	300
Transmission Losses	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>
TOTAL ALUMAX	312	313	311	312	310	312	311	310	310	310	312	312	311
Municipals:													
Peak	29	31	28	23	28	32	35	35	32	22	26	30	35
Transmission Losses	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
TOTAL MUNICIPALS	30	32	29	24	29	33	36	36	33	23	27	31	36
Central Electric:													
Peak	1,279	1,329	1,165	1,014	1,054	1,279	1,363	1,348	1,150	1,039	1,181	1,333	1,363
Less: DSM Projections	103	103	0	0	0	52	52	52	53	0	0	111	52
Transmission Losses	<u>43</u>	<u>45</u>	<u>43</u>	<u>37</u>	<u>38</u>	<u>45</u>	<u>48</u>	<u>47</u>	<u>40</u>	<u>38</u>	<u>43</u>	<u>45</u>	<u>48</u>
TOTAL CENTRAL ELECTRIC	<u>1,219</u>	<u>1,271</u>	<u>1,208</u>	<u>1,051</u>	<u>1,092</u>	<u>1,272</u>	<u>1,359</u>	<u>1,343</u>	<u>1,137</u>	<u>1,077</u>	<u>1,224</u>	<u>1,267</u>	<u>1,359</u>
Total System:	2,050	2,110	2,098	1,888	2,085	2,224	2,360	2,345	2,163	1,916	2,125	2,093	2,360
Total System Losses:	<u>83</u>	<u>87</u>	<u>86</u>	<u>75</u>	<u>85</u>	<u>93</u>	<u>98</u>	<u>97</u>	<u>90</u>	<u>76</u>	<u>86</u>	<u>85</u>	<u>98</u>
Territorial Sales	2,133	2,197	2,184	1,963	2,170	2,317	2,458	2,442	2,253	1,992	2,211	2,178	2,458
Woodland Hills													0
Other Central Substations													0
Territorial Load	2,133	2,197	2,184	1,963	2,170	2,317	2,458	2,442	2,253	1,992	2,211	2,178	2,458
Off-System Peak:													
NCEMPA	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>
Total Off-System Peak	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>
Total Load Requirements	2,183	2,247	2,234	2,013	2,220	2,367	2,508	2,492	2,303	2,042	2,261	2,228	2,508

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	379	394	323	259	383	472	511	508	434	257	332	375	511
Less: DSM Projections	25	25	0	0	0	13	14	14	14	0	0	26	14
Distribution Losses	8	9	8	6	9	11	12	12	10	6	8	8	12
Transmission Losses	<u>13</u>	<u>14</u>	<u>12</u>	<u>10</u>	<u>14</u>	<u>17</u>	<u>19</u>	<u>18</u>	<u>16</u>	<u>10</u>	<u>12</u>	<u>13</u>	<u>19</u>
TOTAL DISTRIBUTION	375	392	343	275	406	487	528	524	446	273	352	370	528
Industrial (including Military):													
Total Industrial	196	188	289	297	330	213	225	228	322	306	293	198	225
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>8</u>
TOTAL INDUSTRIAL	203	195	300	308	342	221	233	236	334	317	304	205	233
Alumax:													
Peak	301	302	300	301	299	301	300	299	299	299	301	301	300
Transmission Losses	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>
TOTAL ALUMAX	312	313	311	312	310	312	311	310	310	310	312	312	311
Municipals:													
Peak	29	31	29	23	29	33	35	35	32	22	26	31	35
Transmission Losses	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
TOTAL MUNICIPALS	30	32	30	24	30	34	36	36	33	23	27	32	36
Central Electric:													
Peak	1,312	1,364	1,193	1,035	1,075	1,309	1,395	1,380	1,175	1,061	1,209	1,367	1,395
Less: DSM Projections	118	118	0	0	0	59	59	59	60	0	0	126	59
Transmission Losses	<u>44</u>	<u>45</u>	<u>44</u>	<u>38</u>	<u>39</u>	<u>46</u>	<u>49</u>	<u>48</u>	<u>41</u>	<u>39</u>	<u>44</u>	<u>45</u>	<u>49</u>
TOTAL CENTRAL ELECTRIC	<u>1,238</u>	<u>1,291</u>	<u>1,237</u>	<u>1,073</u>	<u>1,114</u>	<u>1,296</u>	<u>1,385</u>	<u>1,369</u>	<u>1,156</u>	<u>1,100</u>	<u>1,253</u>	<u>1,286</u>	<u>1,385</u>
Total System:	2,074	2,136	2,134	1,915	2,116	2,256	2,393	2,377	2,188	1,945	2,161	2,120	2,393
Total System Losses:	<u>84</u>	<u>87</u>	<u>87</u>	<u>77</u>	<u>86</u>	<u>94</u>	<u>100</u>	<u>98</u>	<u>91</u>	<u>78</u>	<u>87</u>	<u>85</u>	<u>100</u>
Territorial Sales	2,158	2,223	2,221	1,992	2,202	2,350	2,493	2,475	2,279	2,023	2,248	2,205	2,493
Woodland Hills													0
Other Central Substations													<u>0</u>
Territorial Load	2,158	2,223	2,221	1,992	2,202	2,350	2,493	2,475	2,279	2,023	2,248	2,205	2,493
Off-System Peak:													
NCEMPA													<u>0</u>
Total Off-System Peak	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Load Requirements	2,158	2,223	2,221	1,992	2,202	2,350	2,493	2,475	2,279	2,023	2,248	2,205	2,493

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Distribution:													
Peak	386	403	330	264	389	481	520	518	441	262	339	383	330
Less: DSM Projections	27	28	0	0	0	15	15	15	15	0	0	29	0
Distribution Losses	9	9	8	6	9	11	12	12	10	6	8	8	8
Transmission Losses	<u>13</u>	<u>14</u>	<u>12</u>	<u>10</u>	<u>15</u>	<u>17</u>	<u>19</u>	<u>19</u>	<u>16</u>	<u>10</u>	<u>13</u>	<u>13</u>	<u>12</u>
TOTAL DISTRIBUTION	381	398	350	280	413	494	536	534	452	278	360	375	350
Industrial (Including Military):													
Total Industrial	197	189	291	299	332	214	226	229	324	307	294	198	291
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>11</u>
TOTAL INDUSTRIAL	204	196	302	310	344	222	234	237	336	318	305	205	302
Alumax:													
Peak	301	302	300	0	0	0	0	0	0	0	0	0	300
Transmission Losses	<u>11</u>	<u>11</u>	<u>11</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>11</u>
TOTAL ALUMAX	312	313	311	0	0	0	0	0	0	0	0	0	311
Municipals:													
Peak	30	32	29	24	29	33	36	36	33	23	27	32	29
Transmission Losses	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
TOTAL MUNICIPALS	31	33	30	25	30	34	37	37	34	24	28	33	30
Central Electric:													
Peak	1,338	1,393	1,215	1,050	1,092	1,333	1,422	1,408	1,194	1,075	1,231	1,394	1,215
Less: DSM Projections	132	133	0	0	0	66	66	66	66	0	0	139	0
Transmission Losses	<u>44</u>	<u>46</u>	<u>44</u>	<u>38</u>	<u>40</u>	<u>46</u>	<u>49</u>	<u>49</u>	<u>41</u>	<u>39</u>	<u>45</u>	<u>46</u>	<u>44</u>
TOTAL CENTRAL ELECTRIC	<u>1,250</u>	<u>1,306</u>	<u>1,259</u>	<u>1,088</u>	<u>1,132</u>	<u>1,313</u>	<u>1,405</u>	<u>1,391</u>	<u>1,169</u>	<u>1,114</u>	<u>1,276</u>	<u>1,301</u>	<u>1,259</u>
Total System:	2,093	2,158	2,165	1,637	1,842	1,980	2,123	2,110	1,911	1,667	1,891	1,839	2,165
Total System Losses:	<u>85</u>	<u>88</u>	<u>87</u>	<u>66</u>	<u>77</u>	<u>83</u>	<u>89</u>	<u>89</u>	<u>80</u>	<u>67</u>	<u>78</u>	<u>75</u>	<u>87</u>
Territorial Sales	2,178	2,246	2,252	1,703	1,919	2,063	2,212	2,199	1,991	1,734	1,969	1,914	2,252
Woodland Hills													0
Other Central Substations													<u>0</u>
Territorial Load	2,178	2,246	2,252	1,703	1,919	2,063	2,212	2,199	1,991	1,734	1,969	1,914	2,252
Off-System Peak:													
NCEMPA													<u>0</u>
Total Off-System Peak	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Load Requirements	2,178	2,246	2,252	1,703	1,919	2,063	2,212	2,199	1,991	1,734	1,969	1,914	2,252

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Distribution:													
Peak	393	411	336	267	396	489	530	527	449	266	345	389	530
Less: DSM Projections	30	31	0	0	0	16	17	17	17	0	0	32	17
Distribution Losses	9	9	8	6	10	11	12	12	10	6	8	9	12
Transmission Losses	<u>14</u>	<u>14</u>	<u>13</u>	<u>10</u>	<u>15</u>	<u>18</u>	<u>19</u>	<u>19</u>	<u>16</u>	<u>10</u>	<u>13</u>	<u>13</u>	<u>19</u>
TOTAL DISTRIBUTION	386	403	357	283	421	502	544	541	458	282	366	379	544
Industrial (including Military):													
Total Industrial	198	190	293	301	333	215	227	231	325	309	296	199	227
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>8</u>
TOTAL INDUSTRIAL	205	197	304	312	345	223	235	239	337	320	307	206	235
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	31	33	30	24	30	33	36	36	33	23	27	32	36
Transmission Losses	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
TOTAL MUNICIPALS	32	34	31	25	31	34	37	37	34	24	28	33	37
Central Electric:													
Peak	1,366	1,422	1,238	1,066	1,107	1,357	1,449	1,436	1,213	1,092	1,252	1,423	1,449
Less: DSM Projections	146	146	0	0	0	72	72	72	73	0	0	151	72
Transmission Losses	<u>45</u>	<u>47</u>	<u>45</u>	<u>39</u>	<u>40</u>	<u>47</u>	<u>50</u>	<u>50</u>	<u>42</u>	<u>40</u>	<u>46</u>	<u>46</u>	<u>50</u>
TOTAL CENTRAL ELECTRIC	<u>1,265</u>	<u>1,323</u>	<u>1,283</u>	<u>1,105</u>	<u>1,147</u>	<u>1,332</u>	<u>1,427</u>	<u>1,414</u>	<u>1,182</u>	<u>1,132</u>	<u>1,298</u>	<u>1,318</u>	<u>1,427</u>
Total System:	1,812	1,879	1,897	1,658	1,866	2,006	2,153	2,141	1,930	1,690	1,920	1,860	2,153
Total System Losses:	<u>76</u>	<u>78</u>	<u>78</u>	<u>67</u>	<u>78</u>	<u>85</u>	<u>90</u>	<u>90</u>	<u>81</u>	<u>68</u>	<u>79</u>	<u>76</u>	<u>90</u>
Territorial Sales	1,888	1,957	1,975	1,725	1,944	2,091	2,243	2,231	2,011	1,758	1,999	1,936	2,243
Woodland Hills													0
Other Central Substations													0
Territorial Load	1,888	1,957	1,975	1,725	1,944	2,091	2,243	2,231	2,011	1,758	1,999	1,936	2,243
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Requirements	1,888	1,957	1,975	1,725	1,944	2,091	2,243	2,231	2,011	1,758	1,999	1,936	2,243

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Distribution:													
Peak	401	419	342	272	402	498	539	537	457	270	350	396	539
Less: DSM Projections	33	33	0	0	0	18	18	18	18	0	0	34	18
Distribution Losses	9	9	8	7	10	12	13	12	11	6	8	9	13
Transmission Losses	<u>14</u>	<u>14</u>	<u>13</u>	<u>10</u>	<u>15</u>	<u>18</u>	<u>19</u>	<u>19</u>	<u>16</u>	<u>10</u>	<u>13</u>	<u>14</u>	<u>19</u>
TOTAL DISTRIBUTION	391	409	363	289	427	510	553	550	466	286	371	385	553
Industrial (Including Military):													
Total Industrial	199	191	294	303	335	217	228	232	327	310	298	200	228
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>8</u>
TOTAL INDUSTRIAL	206	198	305	314	347	225	236	240	339	321	309	207	236
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	31	34	30	25	30	34	37	37	33	24	28	33	37
Transmission Losses	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
TOTAL MUNICIPALS	32	35	31	26	31	35	38	38	34	25	29	34	38
Central Electric:													
Peak	1,400	1,459	1,267	1,088	1,131	1,388	1,482	1,468	1,239	1,114	1,281	1,457	1,482
Less: DSM Projections	158	158	0	0	0	78	78	78	78	0	0	162	78
Transmission Losses	<u>45</u>	<u>47</u>	<u>46</u>	<u>40</u>	<u>41</u>	<u>48</u>	<u>51</u>	<u>51</u>	<u>42</u>	<u>41</u>	<u>47</u>	<u>47</u>	<u>51</u>
TOTAL CENTRAL ELECTRIC	<u>1,287</u>	<u>1,348</u>	<u>1,313</u>	<u>1,128</u>	<u>1,172</u>	<u>1,358</u>	<u>1,455</u>	<u>1,441</u>	<u>1,203</u>	<u>1,155</u>	<u>1,328</u>	<u>1,342</u>	<u>1,455</u>
Total System:	1,840	1,912	1,933	1,688	1,898	2,041	2,190	2,178	1,960	1,718	1,957	1,890	2,190
Total System Losses:	<u>76</u>	<u>78</u>	<u>79</u>	<u>69</u>	<u>79</u>	<u>87</u>	<u>92</u>	<u>91</u>	<u>82</u>	<u>69</u>	<u>80</u>	<u>78</u>	<u>92</u>
Territorial Sales	1,916	1,990	2,012	1,757	1,977	2,128	2,282	2,269	2,042	1,787	2,037	1,968	2,282
Woodland Hills													0
Other Central Substations													0
Territorial Load	1,916	1,990	2,012	1,757	1,977	2,128	2,282	2,269	2,042	1,787	2,037	1,968	2,282
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Requirements	1,916	1,990	2,012	1,757	1,977	2,128	2,282	2,269	2,042	1,787	2,037	1,968	2,282

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Distribution:													
Peak	408	427	347	277	408	506	548	545	464	275	356	403	548
Less: DSM Projections	36	36	0	0	0	19	20	20	20	0	0	37	20
Distribution Losses	9	9	8	7	10	12	13	13	11	7	9	9	13
Transmission Losses	<u>14</u>	<u>15</u>	<u>13</u>	<u>10</u>	<u>15</u>	<u>18</u>	<u>20</u>	<u>20</u>	<u>17</u>	<u>10</u>	<u>13</u>	<u>14</u>	<u>20</u>
TOTAL DISTRIBUTION	395	415	368	294	433	517	561	558	472	292	378	389	561
Industrial (including Military):													
Total Industrial	200	191	296	304	337	218	229	233	329	312	299	201	229
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>9</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>8</u>
TOTAL INDUSTRIAL	207	198	307	315	349	226	237	242	341	323	310	208	237
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	32	34	31	25	30	34	37	37	34	24	28	34	37
Transmission Losses	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
TOTAL MUNICIPALS	33	35	32	26	31	35	38	38	35	25	29	35	38
Central Electric:													
Peak	1,434	1,496	1,298	1,111	1,153	1,420	1,517	1,503	1,265	1,137	1,312	1,493	1,517
Less: DSM Projections	169	169	0	0	0	83	83	83	83	0	0	172	83
Transmission Losses	<u>46</u>	<u>48</u>	<u>47</u>	<u>41</u>	<u>42</u>	<u>49</u>	<u>52</u>	<u>52</u>	<u>43</u>	<u>42</u>	<u>48</u>	<u>48</u>	<u>52</u>
TOTAL CENTRAL ELECTRIC	<u>1,311</u>	<u>1,375</u>	<u>1,345</u>	<u>1,152</u>	<u>1,195</u>	<u>1,386</u>	<u>1,486</u>	<u>1,472</u>	<u>1,225</u>	<u>1,179</u>	<u>1,360</u>	<u>1,369</u>	<u>1,486</u>
Total System:	1,869	1,943	1,972	1,717	1,928	2,076	2,228	2,215	1,989	1,748	1,995	1,922	2,228
Total System Losses:	<u>77</u>	<u>80</u>	<u>80</u>	<u>70</u>	<u>80</u>	<u>88</u>	<u>94</u>	<u>95</u>	<u>84</u>	<u>71</u>	<u>82</u>	<u>79</u>	<u>94</u>
Territorial Sales	1,946	2,023	2,052	1,787	2,008	2,164	2,322	2,310	2,073	1,819	2,077	2,001	2,322
Woodland Hills													0
Other Central Substations													<u>0</u>
Territorial Load	1,946	2,023	2,052	1,787	2,008	2,164	2,322	2,310	2,073	1,819	2,077	2,001	2,322
Off-System Peak:													0
NCEMPA													<u>0</u>
Total Off-System Peak	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Load Requirements	1,946	2,023	2,052	1,787	2,008	2,164	2,322	2,310	2,073	1,819	2,077	2,001	2,322

SANTEE COOPER DEMAND FORECAST – LOW
Calendar Year 2004 – (MW)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	415	433	353	281	415	513	556	553	470	279	362	410	556
Less: DSM Projections	39	39	0	0	0	21	21	21	21	0	0	40	21
Distribution Losses	9	9	8	7	10	12	13	13	11	7	9	9	13
Transmission Losses	14	15	13	11	16	18	20	20	17	10	14	14	20
TOTAL DISTRIBUTION	399	418	374	299	441	522	568	565	477	296	385	393	568
Industrial (including Military):													
Total Industrial	201	192	297	306	339	219	231	234	330	314	301	202	231
Transmission Losses	7	7	11	11	12	8	8	9	12	11	11	7	8
TOTAL INDUSTRIAL	208	199	308	317	351	227	239	243	342	325	312	209	239
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	32	35	31	26	31	35	38	38	34	25	29	34	38
Transmission Losses	1	1	1	1	1	1	1	1	1	1	1	1	1
TOTAL MUNICIPALS	33	36	32	27	32	36	39	39	35	26	30	35	39
Central Electric:													
Peak	1,492	1,551	1,350	1,157	1,200	1,477	1,576	1,562	1,316	1,185	1,366	1,554	1,576
Less: DSM Projections	178	179	0	0	0	88	88	88	88	0	0	181	88
Transmission Losses	48	50	49	42	44	51	54	54	45	43	50	50	54
TOTAL CENTRAL ELECTRIC	1,362	1,422	1,399	1,199	1,244	1,440	1,542	1,528	1,273	1,228	1,416	1,423	1,542
Total System:	1,923	1,993	2,031	1,770	1,985	2,135	2,292	2,278	2,041	1,803	2,058	1,979	2,292
Total System Losses:	79	82	82	72	83	90	96	97	86	72	85	81	96
Territorial Sales	2,002	2,075	2,113	1,842	2,068	2,225	2,388	2,375	2,127	1,875	2,143	2,060	2,388
Woodland Hills													0
Other Central Substations													0
Territorial Load	2,002	2,075	2,113	1,842	2,068	2,225	2,388	2,375	2,127	1,875	2,143	2,060	2,388
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Requirements	2,002	2,075	2,113	1,842	2,068	2,225	2,388	2,375	2,127	1,875	2,143	2,060	2,388

SANTEE COOPER ENERGY FORECAST – HIGH
Calendar Year 1994 – (MWH)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	161,583	163,179	104,932	68,080	61,815	99,956	149,262	167,256	132,047	78,469	69,969	113,586	1,370,134
Distribution Losses	<u>3,878</u>	<u>3,916</u>	<u>2,518</u>	<u>1,634</u>	<u>1,484</u>	<u>2,399</u>	<u>3,582</u>	<u>4,014</u>	<u>3,169</u>	<u>1,883</u>	<u>1,679</u>	<u>2,726</u>	<u>32,882</u>
Residential Sales	165,461	167,095	107,450	69,714	63,299	102,355	152,844	171,270	135,216	80,352	71,648	116,312	1,403,016
Transmission Losses	4,798	4,846	3,116	2,022	1,836	2,968	4,432	4,967	3,921	2,330	2,078	3,373	40,687
Commercial:													
Total Commercial	93,280	93,677	86,546	82,366	87,509	118,850	154,944	167,729	141,481	99,677	85,126	90,000	1,301,185
Distribution Losses	<u>2,239</u>	<u>2,248</u>	<u>2,077</u>	<u>1,977</u>	<u>2,100</u>	<u>2,852</u>	<u>3,719</u>	<u>4,025</u>	<u>3,396</u>	<u>2,392</u>	<u>2,043</u>	<u>2,160</u>	<u>31,228</u>
Commercial Sales	95,519	95,925	88,623	84,343	89,609	121,702	158,663	171,754	144,877	102,069	87,169	92,160	1,332,413
Transmission Losses	2,770	2,782	2,570	2,446	2,599	3,529	4,601	4,981	4,201	2,960	2,528	2,673	38,640
Industrial:													
Total Industrial	214,521	212,038	235,683	232,674	243,600	239,431	240,020	248,269	240,954	244,610	224,600	207,614	2,784,014
Transmission Losses	6,221	6,149	6,835	6,748	7,064	6,943	6,961	7,200	6,988	7,094	6,513	6,021	80,737
Alumax:													
Alumax	224,035	204,249	223,558	215,895	223,136	215,266	222,888	222,766	215,317	222,930	216,168	224,096	2,630,304
Transmission Losses	6,497	5,923	6,483	6,261	6,471	6,243	6,464	6,460	6,244	6,465	6,269	6,499	76,279
Municipals:													
Municipals	18,014	16,770	14,558	13,300	14,380	20,057	25,980	26,929	21,969	15,556	14,352	16,853	218,718
Transmission Losses	522	486	422	386	417	582	753	781	637	451	416	489	6,342
Central Electric:													
Total Central Electric	821,651	672,946	529,978	454,551	518,934	701,037	847,591	803,661	629,624	475,489	531,901	741,559	7,728,922
Transmission Losses	23,828	19,515	15,369	13,182	15,049	20,330	24,580	23,306	18,259	13,789	15,425	21,505	224,137
Total Energy Sales	1,533,084	1,362,859	1,195,255	1,066,866	1,149,374	1,394,597	1,640,685	1,636,610	1,381,392	1,136,731	1,142,116	1,393,708	16,033,277
Total Distribution Losses	6,117	6,164	4,595	3,611	3,584	5,251	7,301	8,039	6,565	4,275	3,722	4,886	64,110
Total Transmission Losses	<u>44,636</u>	<u>39,701</u>	<u>34,795</u>	<u>31,045</u>	<u>33,436</u>	<u>40,595</u>	<u>47,791</u>	<u>47,695</u>	<u>40,250</u>	<u>33,089</u>	<u>33,229</u>	<u>40,560</u>	<u>466,822</u>
Total Output to Lines	1,583,837	1,408,724	1,234,645	1,101,522	1,186,394	1,440,443	1,695,777	1,692,344	1,428,207	1,174,095	1,179,067	1,439,154	16,564,209
Woodland Hills	6,645	5,575	5,610	5,055	5,756	6,905	8,046	7,623	6,358	5,319	5,407	6,819	75,118
Other Central Substations	<u>8,458</u>	<u>7,153</u>	<u>6,888</u>	<u>6,080</u>	<u>6,926</u>	<u>8,375</u>	<u>10,376</u>	<u>9,774</u>	<u>7,850</u>	<u>6,727</u>	<u>7,067</u>	<u>9,158</u>	<u>94,832</u>
Territorial Energy	1,568,734	1,395,996	1,222,147	1,090,387	1,173,712	1,425,163	1,677,355	1,674,947	1,413,999	1,162,049	1,166,593	1,423,177	16,394,259
Off-System Sales:													
NCEMPA	<u>8,184</u>	<u>7,392</u>	<u>4,464</u>	<u>4,320</u>	<u>4,464</u>	<u>8,640</u>	<u>8,928</u>	<u>8,928</u>	<u>2,160</u>	<u>2,232</u>	<u>2,160</u>	<u>8,184</u>	<u>70,056</u>
Total Off-System Sales	8,184	7,392	4,464	4,320	4,464	8,640	8,928	8,928	2,160	2,232	2,160	8,184	70,056
Total Requirements	1,576,918	1,403,388	1,226,611	1,094,707	1,178,176	1,433,803	1,686,283	1,683,875	1,416,159	1,164,281	1,168,753	1,431,361	16,464,315

SANTEE COOPER ENERGY FORECAST – HIGH
Calendar Year 1995 – (MWH)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	170,923	172,527	110,669	71,552	64,864	105,156	157,215	176,159	138,915	82,317	73,349	119,409	1,443,055
Distribution Losses	<u>4,102</u>	<u>4,141</u>	<u>2,656</u>	<u>1,717</u>	<u>1,557</u>	<u>2,524</u>	<u>3,773</u>	<u>4,228</u>	<u>3,334</u>	<u>1,976</u>	<u>1,760</u>	<u>2,866</u>	<u>34,634</u>
Residential Sales	175,025	176,668	113,325	73,269	66,421	107,680	160,988	180,387	142,249	84,293	75,109	122,275	1,477,689
Transmission Losses	5,076	5,123	3,286	2,125	1,926	3,123	4,669	5,231	4,125	2,444	2,178	3,546	42,852
Commercial:													
Total Commercial	97,908	98,155	90,429	85,865	91,085	123,570	160,946	174,067	146,706	103,283	88,169	93,222	1,353,405
Distribution Losses	<u>2,350</u>	<u>2,356</u>	<u>2,170</u>	<u>2,061</u>	<u>2,186</u>	<u>2,966</u>	<u>3,863</u>	<u>4,178</u>	<u>3,521</u>	<u>2,479</u>	<u>2,116</u>	<u>2,237</u>	<u>32,483</u>
Commercial Sales	100,258	100,511	92,599	87,926	93,271	126,536	164,809	178,245	150,227	105,762	90,285	95,459	1,385,888
Transmission Losses	2,907	2,915	2,685	2,550	2,705	3,670	4,779	5,169	4,357	3,067	2,618	2,768	40,190
Industrial:													
Total Industrial	193,302	192,577	214,479	211,579	221,268	220,233	220,024	228,233	221,099	225,418	206,482	192,512	2,547,206
Transmission Losses	5,606	5,585	6,220	6,136	6,417	6,387	6,381	6,619	6,412	6,537	5,988	5,583	73,871
Alumax:													
Alumax	224,035	204,249	223,558	215,895	223,136	215,266	222,888	222,766	215,317	222,930	216,168	224,096	2,630,304
Transmission Losses	6,497	5,923	6,483	6,261	6,471	6,243	6,464	6,460	6,244	6,465	6,269	6,499	76,279
Municipals:													
Municipals	19,029	17,651	15,247	13,876	14,988	20,918	27,088	28,035	22,829	16,142	14,921	17,594	228,318
Transmission Losses	552	512	442	402	435	607	786	813	662	468	433	510	6,622
Central Electric:													
Total Central Electric	857,257	701,981	552,809	474,381	542,446	733,561	887,529	840,912	658,189	496,393	554,752	773,261	8,073,471
Transmission Losses	24,860	20,357	16,031	13,757	15,731	21,273	25,738	24,386	19,087	14,395	16,088	22,425	234,128
Total Energy Sales	1,562,454	1,387,140	1,207,191	1,073,148	1,157,787	1,418,704	1,675,690	1,670,172	1,403,055	1,146,483	1,153,841	1,420,094	16,275,759
Total Distribution Losses	6,452	6,497	4,826	3,778	3,743	5,490	7,636	8,406	6,855	4,455	3,876	5,103	67,117
Total Transmission Losses	<u>45,498</u>	<u>40,415</u>	<u>35,147</u>	<u>31,231</u>	<u>33,685</u>	<u>41,303</u>	<u>48,817</u>	<u>48,678</u>	<u>40,887</u>	<u>33,376</u>	<u>33,574</u>	<u>41,331</u>	<u>473,942</u>
Total Output to Lines	1,614,404	1,434,052	1,247,164	1,108,157	1,195,215	1,465,497	1,732,143	1,727,256	1,450,797	1,184,314	1,191,291	1,466,528	16,816,818
Woodland Hills	6,645	5,575	5,610	5,055	5,756	6,905	8,046	7,623	6,358	5,319	5,407	6,819	75,118
Other Central Substations	<u>8,971</u>	<u>7,587</u>	<u>7,306</u>	<u>6,449</u>	<u>7,347</u>	<u>8,887</u>	<u>11,012</u>	<u>10,374</u>	<u>8,331</u>	<u>7,137</u>	<u>7,497</u>	<u>9,715</u>	<u>100,613</u>
Territorial Energy	1,598,788	1,420,890	1,234,248	1,096,653	1,182,112	1,449,705	1,713,085	1,709,259	1,436,108	1,171,858	1,178,387	1,449,994	16,641,087
Off-System Sales:													
NCEMPA	<u>8,184</u>	<u>7,392</u>	<u>4,464</u>	<u>4,320</u>	<u>4,464</u>	<u>8,640</u>	<u>8,928</u>	<u>8,928</u>	<u>2,160</u>	<u>2,232</u>	<u>2,160</u>	<u>8,184</u>	<u>70,056</u>
Total Off-System Sales	8,184	7,392	4,464	4,320	4,464	8,640	8,928	8,928	2,160	2,232	2,160	8,184	70,056
Total Requirements	1,606,972	1,428,282	1,238,712	1,100,973	1,186,576	1,458,345	1,722,013	1,718,187	1,438,268	1,174,090	1,180,547	1,458,178	16,711,143

SANTEE COOPER ENERGY FORECAST – HIGH
Calendar Year 1996 – (MWH)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	179,924	181,559	116,218	74,909	67,818	110,209	164,964	184,850	145,630	86,086	76,668	125,144	1,513,979
Distribution Losses	<u>4,318</u>	<u>4,357</u>	<u>2,789</u>	<u>1,798</u>	<u>1,628</u>	<u>2,645</u>	<u>3,959</u>	<u>4,436</u>	<u>3,495</u>	<u>2,066</u>	<u>1,840</u>	<u>3,003</u>	<u>36,334</u>
Residential Sales	184,242	185,916	119,007	76,707	69,446	112,854	168,923	189,286	149,125	88,152	78,508	128,147	1,550,313
Transmission Losses	5,343	5,392	3,451	2,225	2,014	3,273	4,899	5,489	4,325	2,556	2,277	3,716	44,960
Commercial:													
Total Commercial	101,419	101,611	93,496	88,686	94,013	127,484	165,979	179,455	151,204	106,426	90,850	96,082	1,396,705
Distribution Losses	<u>2,434</u>	<u>2,439</u>	<u>2,244</u>	<u>2,128</u>	<u>2,256</u>	<u>3,060</u>	<u>3,983</u>	<u>4,307</u>	<u>3,629</u>	<u>2,554</u>	<u>2,180</u>	<u>2,306</u>	<u>33,520</u>
Commercial Sales	103,853	104,050	95,740	90,814	96,269	130,544	169,962	183,762	154,833	108,980	93,030	98,388	1,430,225
Transmission Losses	3,012	3,017	2,776	2,634	2,792	3,786	4,929	5,329	4,490	3,160	2,698	2,853	41,476
Industrial:													
Total Industrial	186,652	186,491	207,983	204,677	213,342	212,161	210,917	219,182	212,379	217,911	199,682	185,312	2,456,689
Transmission Losses	5,413	5,408	6,032	5,936	6,187	6,153	6,117	6,356	6,159	6,319	5,791	5,374	71,245
Alumax:													
Alumax	224,035	204,249	223,558	215,895	223,136	215,266	222,888	222,766	215,317	222,930	216,168	224,096	2,630,304
Transmission Losses	6,497	5,923	6,483	6,261	6,471	6,243	6,464	6,460	6,244	6,465	6,269	6,499	76,279
Municipals:													
Municipals	19,898	18,398	15,830	14,362	15,510	21,669	28,062	29,010	23,590	16,666	15,440	18,284	236,719
Transmission Losses	577	534	459	416	450	628	814	841	684	483	448	530	6,864
Central Electric:													
Total Central Electric	891,432	728,273	571,478	488,847	559,167	757,925	917,758	869,035	678,385	510,025	571,033	798,701	8,342,059
Transmission Losses	25,852	21,120	16,573	14,177	16,216	21,980	26,615	25,202	19,673	14,791	16,560	23,162	241,921
Total Energy Sales	1,603,360	1,420,581	1,228,563	1,087,376	1,172,986	1,444,714	1,710,568	1,704,298	1,426,505	1,160,044	1,169,841	1,447,619	16,576,455
Total Distribution Losses	6,752	6,796	5,033	3,926	3,884	5,705	7,942	8,743	7,124	4,620	4,020	5,309	69,854
Total Transmission Losses	<u>46,694</u>	<u>41,394</u>	<u>35,774</u>	<u>31,649</u>	<u>34,130</u>	<u>42,063</u>	<u>49,838</u>	<u>49,677</u>	<u>41,575</u>	<u>33,774</u>	<u>34,043</u>	<u>42,134</u>	<u>482,745</u>
Total Output to Lines	1,656,806	1,468,771	1,269,370	1,122,951	1,211,000	1,492,482	1,768,348	1,762,718	1,475,204	1,198,438	1,207,904	1,495,062	17,129,054
Woodland Hills													
Other Central Substations	<u>9,484</u>	<u>8,021</u>	<u>7,724</u>	<u>6,819</u>	<u>7,769</u>	<u>9,400</u>	<u>11,648</u>	<u>10,974</u>	<u>8,811</u>	<u>7,548</u>	<u>7,927</u>	<u>10,273</u>	<u>106,398</u>
Territorial Energy	1,647,322	1,460,750	1,261,646	1,116,132	1,203,231	1,483,082	1,756,700	1,751,744	1,466,393	1,190,890	1,199,977	1,484,789	17,022,656
Off-System Sales:													
NCEMPA	<u>8,184</u>	<u>7,392</u>	<u>4,464</u>	<u>4,320</u>	<u>4,464</u>	<u>8,640</u>	<u>8,928</u>	<u>8,928</u>	<u>2,160</u>	<u>2,232</u>	<u>2,160</u>	<u>8,184</u>	<u>70,056</u>
Total Off-System Sales	8,184	7,392	4,464	4,320	4,464	8,640	8,928	8,928	2,160	2,232	2,160	8,184	70,056
Total Requirements	1,655,506	1,468,142	1,266,110	1,120,452	1,207,695	1,491,722	1,765,628	1,760,672	1,468,553	1,193,122	1,202,137	1,492,973	17,092,712

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	188,882	190,554	121,745	78,256	70,762	115,243	172,683	193,510	152,326	89,848	79,984	130,876	1,584,669
Distribution Losses	<u>4,533</u>	<u>4,573</u>	<u>2,922</u>	<u>1,878</u>	<u>1,698</u>	<u>2,766</u>	<u>4,144</u>	<u>4,644</u>	<u>3,656</u>	<u>2,156</u>	<u>1,920</u>	<u>3,141</u>	<u>38,031</u>
Residential Sales	193,415	195,127	124,667	80,134	72,460	118,009	176,827	198,154	155,982	92,004	81,904	134,017	1,622,700
Transmission Losses	5,609	5,659	3,615	2,324	2,101	3,422	5,128	5,746	4,523	2,668	2,375	3,886	47,056
Commercial:													
Total Commercial	104,560	104,735	96,299	91,291	96,740	131,153	170,727	184,561	155,486	109,428	93,418	98,830	1,437,228
Distribution Losses	<u>2,509</u>	<u>2,514</u>	<u>2,311</u>	<u>2,191</u>	<u>2,322</u>	<u>3,148</u>	<u>4,097</u>	<u>4,429</u>	<u>3,732</u>	<u>2,626</u>	<u>2,242</u>	<u>2,372</u>	<u>34,493</u>
Commercial Sales	107,069	107,249	98,610	93,482	99,062	134,301	174,824	188,990	159,218	112,054	95,660	101,202	1,471,721
Transmission Losses	3,105	3,110	2,860	2,711	2,873	3,895	5,070	5,481	4,617	3,250	2,774	2,935	42,681
Industrial:													
Total Industrial	183,902	184,000	205,342	201,830	210,025	208,766	207,007	215,331	208,669	214,820	196,891	182,275	2,418,858
Transmission Losses	5,333	5,336	5,955	5,853	6,091	6,054	6,003	6,245	6,051	6,230	5,710	5,286	70,147
Alumax:													
Alumax	224,035	204,249	223,558	215,895	223,136	215,266	222,888	222,766	215,317	222,930	216,168	224,096	2,630,304
Transmission Losses	6,497	5,923	6,483	6,261	6,471	6,243	6,464	6,460	6,244	6,465	6,269	6,499	76,279
Municipals:													
Municipals	20,715	19,100	16,378	14,820	16,005	22,389	29,001	29,951	24,326	17,173	15,946	18,963	244,767
Transmission Losses	601	554	475	430	464	649	841	869	705	498	462	550	7,098
Central Electric:													
Total Central Electric	924,245	754,068	590,417	504,999	577,311	784,930	951,243	900,473	702,490	527,069	590,896	829,674	8,637,815
Transmission Losses	26,803	21,868	17,122	14,645	16,742	22,763	27,586	26,114	20,372	15,285	17,136	24,061	250,497
Total Energy Sales	1,646,339	1,456,706	1,253,739	1,107,091	1,193,979	1,477,747	1,753,549	1,746,592	1,458,614	1,181,268	1,193,303	1,484,714	16,953,641
Total Distribution Losses	7,042	7,087	5,233	4,069	4,020	5,914	8,241	9,073	7,388	4,782	4,162	5,513	72,524
Total Transmission Losses	<u>47,948</u>	<u>42,450</u>	<u>36,510</u>	<u>32,224</u>	<u>34,742</u>	<u>43,026</u>	<u>51,092</u>	<u>50,915</u>	<u>42,512</u>	<u>34,396</u>	<u>34,726</u>	<u>43,217</u>	<u>493,758</u>
Total Output to Lines	1,701,329	1,506,243	1,295,482	1,143,384	1,232,741	1,526,687	1,812,882	1,806,580	1,508,514	1,220,446	1,232,191	1,533,444	17,519,923
Woodland Hills													
Other Central Substations													
Territorial Energy	1,701,329	1,506,243	1,295,482	1,143,384	1,232,741	1,526,687	1,812,882	1,806,580	1,508,514	1,220,446	1,232,191	1,533,444	17,519,923
Off-System Sales:													
NCEMPA	<u>8,184</u>	<u>7,392</u>	<u>4,464</u>	<u>4,320</u>	<u>4,464</u>	<u>8,640</u>	<u>8,928</u>	<u>8,928</u>	<u>2,160</u>	<u>2,232</u>	<u>2,160</u>	<u>8,184</u>	<u>70,056</u>
Total Off-System Sales	8,184	7,392	4,464	4,320	4,464	8,640	8,928	8,928	2,160	2,232	2,160	8,184	70,056
Total Requirements	1,709,513	1,513,635	1,299,946	1,147,704	1,237,205	1,535,327	1,821,810	1,815,508	1,510,674	1,222,678	1,234,351	1,541,628	17,589,979

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Residential:													
Total Residential	197,769	199,491	127,246	81,590	73,698	120,266	180,394	202,173	159,034	93,625	83,322	136,650	1,655,258
Distribution Losses	<u>4,746</u>	<u>4,788</u>	<u>3,054</u>	<u>1,958</u>	<u>1,769</u>	<u>2,886</u>	<u>4,329</u>	<u>4,852</u>	<u>3,817</u>	<u>2,247</u>	<u>2,000</u>	<u>3,280</u>	<u>39,726</u>
Residential Sales	202,515	204,279	130,300	83,548	75,467	123,152	184,723	207,025	162,851	95,872	85,322	139,930	1,694,984
Transmission Losses	5,873	5,924	3,779	2,423	2,189	3,571	5,357	6,004	4,723	2,780	2,474	4,058	49,155
Commercial:													
Total Commercial	107,586	107,751	99,013	93,817	99,389	134,723	175,353	189,544	159,671	112,368	95,938	101,531	1,476,684
Distribution Losses	<u>2,582</u>	<u>2,586</u>	<u>2,376</u>	<u>2,252</u>	<u>2,385</u>	<u>3,233</u>	<u>4,208</u>	<u>4,549</u>	<u>3,832</u>	<u>2,697</u>	<u>2,303</u>	<u>2,437</u>	<u>35,440</u>
Commercial Sales	110,168	110,337	101,389	96,069	101,774	137,956	179,561	194,093	163,503	115,065	98,241	103,968	1,512,124
Transmission Losses	3,195	3,200	2,940	2,786	2,951	4,001	5,207	5,629	4,742	3,337	2,849	3,015	43,852
Industrial:													
Total Industrial	184,940	185,002	206,447	202,930	211,200	209,933	208,169	216,559	209,846	216,029	197,995	183,277	2,432,327
Transmission Losses	5,363	5,365	5,987	5,885	6,125	6,088	6,037	6,280	6,086	6,265	5,742	5,315	70,538
Alumax:													
Alumax	224,035	204,249	223,558	215,895	223,136	215,266	222,888	222,766	215,317	222,930	216,168	224,096	2,630,304
Transmission Losses	6,497	5,923	6,483	6,261	6,471	6,243	6,464	6,460	6,244	6,465	6,269	6,499	76,279
Municipals:													
Municipals	21,520	19,791	16,916	15,270	16,493	23,100	29,928	30,881	25,052	17,675	16,449	19,639	252,714
Transmission Losses	624	574	491	443	478	670	868	896	727	513	477	570	7,331
Central Electric:													
Total Central Electric	959,339	781,209	609,197	519,448	595,222	813,546	988,357	934,837	726,909	543,388	611,192	862,608	8,945,252
Transmission Losses	27,821	22,655	17,667	15,064	17,261	23,593	28,662	27,110	21,080	15,758	17,725	25,016	259,412
Total Energy Sales	1,695,189	1,497,493	1,282,377	1,128,950	1,219,138	1,516,834	1,805,089	1,796,760	1,495,829	1,206,015	1,221,064	1,527,801	17,392,539
Total Distribution Losses	7,328	7,374	5,430	4,210	4,154	6,119	8,537	9,401	7,649	4,944	4,303	5,717	75,166
Total Transmission Losses	<u>49,373</u>	<u>43,641</u>	<u>37,347</u>	<u>32,862</u>	<u>35,475</u>	<u>44,166</u>	<u>52,595</u>	<u>52,379</u>	<u>43,602</u>	<u>35,118</u>	<u>35,536</u>	<u>44,473</u>	<u>506,567</u>
Total Output to Lines	1,751,890	1,548,508	1,325,154	1,166,022	1,258,767	1,567,119	1,866,221	1,858,540	1,547,080	1,246,077	1,260,903	1,577,991	17,974,272
Woodland Hills													
Other Central Substations													
Territorial Energy	1,751,890	1,548,508	1,325,154	1,166,022	1,258,767	1,567,119	1,866,221	1,858,540	1,547,080	1,246,077	1,260,903	1,577,991	17,974,272
Off-System Sales:													
NCEMPA	<u>4,092</u>	<u>3,696</u>	<u>2,232</u>	<u>2,160</u>	<u>2,232</u>	<u>4,320</u>	<u>4,464</u>	<u>4,464</u>	<u>1,080</u>	<u>1,116</u>	<u>1,080</u>	<u>4,092</u>	<u>35,028</u>
Total Off-System Sales	4,092	3,696	2,232	2,160	2,232	4,320	4,464	4,464	1,080	1,116	1,080	4,092	35,028
Total Requirements	1,755,982	1,552,204	1,327,386	1,168,182	1,260,999	1,571,439	1,870,685	1,863,004	1,548,160	1,247,193	1,261,983	1,582,083	18,009,300

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Residential:													
Total Residential	206,724	208,500	132,794	84,957	76,663	125,334	188,169	210,908	165,802	97,442	86,700	142,489	1,726,482
Distribution Losses	<u>4,961</u>	<u>5,004</u>	<u>3,187</u>	<u>2,039</u>	<u>1,840</u>	<u>3,008</u>	<u>4,516</u>	<u>5,062</u>	<u>3,979</u>	<u>2,339</u>	<u>2,081</u>	<u>3,420</u>	<u>41,436</u>
Residential Sales	211,685	213,504	135,981	86,996	78,503	128,342	192,685	215,970	169,781	99,781	88,781	145,909	1,767,918
Transmission Losses	6,139	6,192	3,943	2,523	2,277	3,722	5,588	6,263	4,924	2,894	2,575	4,231	51,271
Commercial:													
Total Commercial	110,565	110,725	101,688	96,310	102,004	138,249	179,926	194,472	163,813	115,278	98,436	104,211	1,515,677
Distribution Losses	<u>2,654</u>	<u>2,657</u>	<u>2,441</u>	<u>2,311</u>	<u>2,448</u>	<u>3,318</u>	<u>4,318</u>	<u>4,667</u>	<u>3,932</u>	<u>2,767</u>	<u>2,362</u>	<u>2,501</u>	<u>36,376</u>
Commercial Sales	113,219	113,382	104,129	98,621	104,452	141,567	184,244	199,139	167,745	118,045	100,798	106,712	1,552,053
Transmission Losses	3,283	3,288	3,020	2,860	3,029	4,105	5,343	5,775	4,865	3,423	2,923	3,095	45,009
Industrial:													
Total Industrial	185,980	186,005	207,554	204,031	212,378	211,102	209,334	217,790	211,026	217,242	199,101	184,282	2,445,825
Transmission Losses	5,393	5,394	6,019	5,917	6,159	6,122	6,071	6,316	6,120	6,300	5,774	5,344	70,929
Alumax:													
Alumax	224,035	204,249	223,558	215,895	223,136	215,266	222,888	222,766	215,317	222,930	216,168	224,096	2,630,304
Transmission Losses	6,497	5,923	6,483	6,261	6,471	6,243	6,464	6,460	6,244	6,465	6,269	6,499	76,279
Municipals:													
Municipals	22,323	20,480	17,453	15,717	16,980	23,808	30,852	31,807	25,776	18,176	16,952	20,316	260,640
Transmission Losses	647	594	506	456	492	690	895	922	748	527	492	589	7,558
Central Electric:													
Total Central Electric	1,000,263	812,216	630,228	535,303	614,431	843,612	1,026,704	970,348	752,166	560,298	632,230	896,739	9,274,538
Transmission Losses	29,008	23,554	18,277	15,524	17,818	24,465	29,774	28,140	21,813	16,249	18,335	26,005	268,962
Total Energy Sales	1,749,890	1,542,175	1,313,275	1,152,213	1,245,592	1,557,371	1,857,873	1,848,091	1,533,900	1,231,366	1,249,587	1,572,133	17,853,466
Total Distribution Losses	7,615	7,661	5,628	4,350	4,288	6,326	8,834	9,729	7,911	5,106	4,443	5,921	77,812
Total Transmission Losses	<u>50,967</u>	<u>44,945</u>	<u>38,248</u>	<u>33,541</u>	<u>36,246</u>	<u>45,347</u>	<u>54,135</u>	<u>53,876</u>	<u>44,714</u>	<u>35,858</u>	<u>36,368</u>	<u>45,763</u>	<u>520,008</u>
Total Output to Lines	1,808,472	1,594,781	1,357,151	1,190,104	1,286,126	1,609,044	1,920,842	1,911,696	1,586,525	1,272,330	1,290,398	1,623,817	18,451,286
Woodland Hills													
Other Central Substations													
Territorial Energy	1,808,472	1,594,781	1,357,151	1,190,104	1,286,126	1,609,044	1,920,842	1,911,696	1,586,525	1,272,330	1,290,398	1,623,817	18,451,286
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,808,472	1,594,781	1,357,151	1,190,104	1,286,126	1,609,044	1,920,842	1,911,696	1,586,525	1,272,330	1,290,398	1,623,817	18,451,286

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Residential:													
Total Residential	215,778	217,610	138,408	88,367	79,667	130,459	196,028	219,737	172,648	101,310	90,125	148,406	1,798,543
Distribution Losses	<u>5,179</u>	<u>5,223</u>	<u>3,322</u>	<u>2,121</u>	<u>1,912</u>	<u>3,131</u>	<u>4,705</u>	<u>5,274</u>	<u>4,144</u>	<u>2,431</u>	<u>2,163</u>	<u>3,562</u>	<u>43,167</u>
Residential Sales	220,957	222,833	141,730	90,488	81,579	133,590	200,733	225,011	176,792	103,741	92,288	151,968	1,841,710
Transmission Losses	6,408	6,462	4,110	2,624	2,366	3,874	5,821	6,525	5,127	3,008	2,676	4,407	53,408
Commercial:													
Total Commercial	113,525	113,680	104,346	98,784	104,600	141,750	184,469	199,367	167,926	118,169	100,916	106,876	1,554,408
Distribution Losses	<u>2,725</u>	<u>2,728</u>	<u>2,504</u>	<u>2,371</u>	<u>2,510</u>	<u>3,402</u>	<u>4,427</u>	<u>4,785</u>	<u>4,030</u>	<u>2,836</u>	<u>2,422</u>	<u>2,565</u>	<u>37,305</u>
Commercial Sales	116,250	116,408	106,850	101,155	107,110	145,152	188,896	204,152	171,956	121,005	103,338	109,441	1,591,713
Transmission Losses	3,371	3,376	3,099	2,933	3,106	4,209	5,478	5,920	4,987	3,509	2,997	3,174	46,159
Industrial:													
Total Industrial	187,022	187,011	208,663	205,135	213,559	212,275	210,501	219,024	212,209	218,456	200,210	185,289	2,459,354
Transmission Losses	5,424	5,423	6,051	5,949	6,193	6,156	6,105	6,352	6,154	6,335	5,806	5,373	71,321
Alumax:													
Alumax	224,035	204,249	223,558	0	0	0	0	0	0	0	0	0	651,842
Transmission Losses	6,497	5,923	6,483	0	0	0	0	0	0	0	0	0	18,903
Municipals:													
Municipals	23,129	21,170	17,990	16,166	17,466	24,517	31,778	32,735	26,501	18,677	17,457	20,997	268,583
Transmission Losses	671	614	522	469	507	711	922	949	769	542	506	609	7,791
Central Electric:													
Total Central Electric	1,038,424	840,234	647,950	547,472	629,799	870,329	1,061,640	1,002,255	773,259	572,850	649,124	927,090	9,560,426
Transmission Losses	30,114	24,367	18,791	15,877	18,264	25,240	30,788	29,065	22,425	16,613	18,825	26,886	277,255
Total Energy Sales	1,801,913	1,583,954	1,340,915	955,924	1,045,091	1,379,330	1,684,416	1,673,118	1,352,543	1,029,462	1,057,832	1,388,658	16,293,156
Total Distribution Losses	7,904	7,951	5,826	4,492	4,422	6,533	9,132	10,059	8,174	5,267	4,585	6,127	80,472
Total Transmission Losses	<u>52,485</u>	<u>46,165</u>	<u>39,056</u>	<u>27,852</u>	<u>30,436</u>	<u>40,190</u>	<u>49,114</u>	<u>48,811</u>	<u>39,462</u>	<u>30,007</u>	<u>30,810</u>	<u>40,449</u>	<u>474,837</u>
Total Output to Lines	1,862,302	1,638,070	1,385,797	988,268	1,079,949	1,426,053	1,742,662	1,731,988	1,400,179	1,064,736	1,093,227	1,435,234	16,848,465
Woodland Hills													
Other Central Substations													
Territorial Energy	1,862,302	1,638,070	1,385,797	988,268	1,079,949	1,426,053	1,742,662	1,731,988	1,400,179	1,064,736	1,093,227	1,435,234	16,848,465
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,862,302	1,638,070	1,385,797	988,268	1,079,949	1,426,053	1,742,662	1,731,988	1,400,179	1,064,736	1,093,227	1,435,234	16,848,465

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	224,951	226,841	144,100	91,829	82,717	135,654	203,988	228,680	179,585	105,233	93,603	154,412	1,871,593
Distribution Losses	<u>5,399</u>	<u>5,444</u>	<u>3,458</u>	<u>2,204</u>	<u>1,985</u>	<u>3,256</u>	<u>4,896</u>	<u>5,488</u>	<u>4,310</u>	<u>2,526</u>	<u>2,246</u>	<u>3,706</u>	<u>44,918</u>
Residential Sales	230,350	232,285	147,558	94,033	84,702	138,910	208,884	234,168	183,895	107,759	95,849	158,118	1,916,511
Transmission Losses	6,680	6,736	4,279	2,727	2,456	4,028	6,058	6,791	5,333	3,125	2,780	4,585	55,578
Commercial:													
Total Commercial	116,471	116,621	106,988	101,241	107,175	145,223	188,972	204,223	172,007	121,039	103,382	109,528	1,592,870
Distribution Losses	<u>2,795</u>	<u>2,799</u>	<u>2,568</u>	<u>2,430</u>	<u>2,572</u>	<u>3,485</u>	<u>4,535</u>	<u>4,901</u>	<u>4,128</u>	<u>2,905</u>	<u>2,481</u>	<u>2,629</u>	<u>38,228</u>
Commercial Sales	119,266	119,420	109,556	103,671	109,747	148,708	193,507	209,124	176,135	123,944	105,863	112,157	1,631,098
Transmission Losses	3,459	3,463	3,177	3,006	3,183	4,313	5,612	6,065	5,108	3,594	3,070	3,253	47,303
Industrial:													
Total Industrial	188,066	188,018	209,774	206,241	214,742	213,449	211,671	220,260	213,394	219,674	201,321	186,298	2,472,908
Transmission Losses	5,454	5,453	6,083	5,981	6,228	6,190	6,138	6,388	6,188	6,371	5,838	5,403	71,715
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	23,940	21,864	18,530	16,615	17,954	25,228	32,706	33,664	27,227	19,180	17,963	21,682	276,553
Transmission Losses	694	634	537	482	521	732	948	976	790	556	521	629	8,020
Central Electric:													
Total Central Electric	1,077,979	869,276	666,319	560,072	645,711	897,966	1,097,782	1,035,258	795,098	585,838	666,621	958,564	9,856,484
Transmission Losses	31,261	25,209	19,323	16,242	18,726	26,041	31,836	30,022	23,058	16,989	19,332	27,798	285,837
Total Energy Sales	1,631,407	1,422,620	1,145,711	975,998	1,068,299	1,417,520	1,735,119	1,722,085	1,387,311	1,050,964	1,082,890	1,430,484	16,070,408
Total Distribution Losses	8,194	8,243	6,026	4,634	4,557	6,741	9,431	10,389	8,438	5,431	4,727	6,335	83,146
Total Transmission Losses	<u>47,548</u>	<u>41,495</u>	<u>33,399</u>	<u>28,438</u>	<u>31,114</u>	<u>41,304</u>	<u>50,592</u>	<u>50,242</u>	<u>40,477</u>	<u>30,635</u>	<u>31,541</u>	<u>41,668</u>	<u>468,453</u>
Total Output to Lines	1,687,149	1,472,358	1,185,136	1,009,070	1,103,970	1,465,565	1,795,142	1,782,716	1,436,226	1,087,030	1,119,158	1,478,487	16,622,007
Woodland Hills													
Other Central Substations													
Territorial Energy	1,687,149	1,472,358	1,185,136	1,009,070	1,103,970	1,465,565	1,795,142	1,782,716	1,436,226	1,087,030	1,119,158	1,478,487	16,622,007
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,687,149	1,472,358	1,185,136	1,009,070	1,103,970	1,465,565	1,795,142	1,782,716	1,436,226	1,087,030	1,119,158	1,478,487	16,622,007

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	234,256	236,206	149,878	95,345	85,815	140,923	212,057	237,744	186,618	109,218	97,138	160,509	1,945,707
Distribution Losses	<u>5,622</u>	<u>5,669</u>	<u>3,597</u>	<u>2,288</u>	<u>2,060</u>	<u>3,382</u>	<u>5,089</u>	<u>5,706</u>	<u>4,479</u>	<u>2,621</u>	<u>2,331</u>	<u>3,852</u>	<u>46,696</u>
Residential Sales	239,878	241,875	153,475	97,633	87,875	144,305	217,146	243,450	191,097	111,839	99,469	164,361	1,992,403
Transmission Losses	6,956	7,014	4,451	2,831	2,548	4,185	6,297	7,060	5,542	3,243	2,885	4,766	57,778
Commercial:													
Total Commercial	119,407	119,553	109,619	103,687	109,739	148,680	193,458	209,058	176,073	123,898	105,838	112,173	1,631,183
Distribution Losses	<u>2,866</u>	<u>2,869</u>	<u>2,631</u>	<u>2,488</u>	<u>2,634</u>	<u>3,568</u>	<u>4,643</u>	<u>5,017</u>	<u>4,226</u>	<u>2,974</u>	<u>2,540</u>	<u>2,692</u>	<u>39,148</u>
Commercial Sales	122,273	122,422	112,250	106,175	112,373	152,248	198,101	214,075	180,299	126,872	108,378	114,865	1,670,331
Transmission Losses	3,546	3,550	3,255	3,079	3,259	4,415	5,745	6,208	5,229	3,679	3,143	3,331	48,439
Industrial:													
Total Industrial	189,112	189,028	210,888	207,349	215,928	214,627	212,843	221,498	214,581	220,894	202,435	187,308	2,486,491
Transmission Losses	5,484	5,482	6,116	6,013	6,262	6,224	6,172	6,423	6,223	6,406	5,871	5,432	72,108
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	24,757	22,563	19,072	17,067	18,444	25,943	33,639	34,597	27,955	19,684	18,473	22,373	284,567
Transmission Losses	718	654	553	495	535	752	976	1,003	811	571	536	649	8,253
Central Electric:													
Total Central Electric	1,123,186	903,430	689,329	577,277	666,568	930,784	1,139,696	1,074,025	822,584	604,147	689,578	996,134	10,216,738
Transmission Losses	32,572	26,199	19,991	16,741	19,330	26,993	33,051	31,147	23,855	17,520	19,998	28,888	296,285
Total Energy Sales	1,690,718	1,470,780	1,178,786	1,000,725	1,096,494	1,460,957	1,791,693	1,776,922	1,427,811	1,077,841	1,113,462	1,478,497	16,564,686
Total Distribution Losses	8,488	8,538	6,228	4,776	4,694	6,950	9,732	10,723	8,705	5,595	4,871	6,544	85,844
Total Transmission Losses	<u>49,276</u>	<u>42,899</u>	<u>34,366</u>	<u>29,159</u>	<u>31,934</u>	<u>42,569</u>	<u>52,241</u>	<u>51,841</u>	<u>41,660</u>	<u>31,419</u>	<u>32,433</u>	<u>43,066</u>	<u>482,863</u>
Total Output to Lines	1,748,482	1,522,217	1,219,380	1,034,660	1,133,122	1,510,476	1,853,666	1,839,486	1,478,176	1,114,855	1,150,766	1,528,107	17,133,393
Woodland Hills													
Other Central Substations													
Territorial Energy	1,748,482	1,522,217	1,219,380	1,034,660	1,133,122	1,510,476	1,853,666	1,839,486	1,478,176	1,114,855	1,150,766	1,528,107	17,133,393
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,748,482	1,522,217	1,219,380	1,034,660	1,133,122	1,510,476	1,853,666	1,839,486	1,478,176	1,114,855	1,150,766	1,528,107	17,133,393

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	243,700	245,711	155,746	98,919	88,964	146,271	220,239	246,935	193,753	113,264	100,731	166,702	2,020,935
Distribution Losses	<u>5,849</u>	<u>5,897</u>	<u>3,738</u>	<u>2,374</u>	<u>2,135</u>	<u>3,511</u>	<u>5,286</u>	<u>5,926</u>	<u>4,650</u>	<u>2,718</u>	<u>2,418</u>	<u>4,001</u>	<u>48,503</u>
Residential Sales	249,549	251,608	159,484	101,293	91,099	149,782	225,525	252,861	198,403	115,982	103,149	170,703	2,069,438
Transmission Losses	7,237	7,297	4,625	2,937	2,642	4,344	6,540	7,333	5,754	3,363	2,991	4,950	60,013
Commercial:													
Total Commercial	122,338	122,480	112,243	106,124	112,294	152,124	197,926	213,874	180,121	126,745	108,286	114,811	1,669,366
Distribution Losses	<u>2,936</u>	<u>2,940</u>	<u>2,694</u>	<u>2,547</u>	<u>2,695</u>	<u>3,651</u>	<u>4,750</u>	<u>5,133</u>	<u>4,323</u>	<u>3,042</u>	<u>2,599</u>	<u>2,755</u>	<u>40,065</u>
Commercial Sales	125,274	125,420	114,937	108,671	114,989	155,775	202,676	219,007	184,444	129,787	110,885	117,566	1,709,431
Transmission Losses	3,633	3,637	3,333	3,151	3,335	4,517	5,878	6,351	5,349	3,764	3,216	3,409	49,573
Industrial:													
Total Industrial	190,160	190,040	212,004	208,460	217,116	215,807	214,018	222,740	215,771	222,117	203,550	188,322	2,500,105
Transmission Losses	5,515	5,511	6,148	6,045	6,296	6,258	6,207	6,459	6,257	6,441	5,903	5,461	72,501
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	25,580	23,267	19,618	17,521	18,937	26,661	34,576	35,534	28,686	20,191	18,986	23,070	292,627
Transmission Losses	742	675	569	508	549	773	1,003	1,030	832	586	551	669	8,487
Central Electric:													
Total Central Electric	1,170,042	938,803	713,144	595,062	688,113	964,672	1,182,968	1,114,069	851,001	623,097	713,375	1,035,146	10,589,492
Transmission Losses	33,931	27,225	20,681	17,257	19,955	27,975	34,306	32,308	24,679	18,070	20,688	30,019	307,094
Total Energy Sales	1,751,820	1,520,301	1,212,755	1,026,086	1,125,424	1,505,535	1,849,727	1,833,152	1,469,332	1,105,414	1,144,928	1,528,051	17,072,525
Total Distribution Losses	8,785	8,837	6,432	4,921	4,830	7,162	10,036	11,059	8,973	5,760	5,017	6,756	88,568
Total Transmission Losses	<u>51,058</u>	<u>44,345</u>	<u>35,356</u>	<u>29,898</u>	<u>32,777</u>	<u>43,867</u>	<u>53,934</u>	<u>53,481</u>	<u>42,871</u>	<u>32,224</u>	<u>33,349</u>	<u>44,508</u>	<u>497,668</u>
Total Output to Lines	1,811,663	1,573,483	1,254,543	1,060,905	1,163,031	1,556,564	1,913,697	1,897,692	1,521,176	1,143,398	1,183,294	1,579,315	17,658,761
Woodland Hills													
Other Central Substations													
Territorial Energy	1,811,663	1,573,483	1,254,543	1,060,905	1,163,031	1,556,564	1,913,697	1,897,692	1,521,176	1,143,398	1,183,294	1,579,315	17,658,761
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,811,663	1,573,483	1,254,543	1,060,905	1,163,031	1,556,564	1,913,697	1,897,692	1,521,176	1,143,398	1,183,294	1,579,315	17,658,761

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	253,288	255,361	161,706	102,552	92,165	151,700	228,542	256,259	200,995	117,377	104,385	172,996	2,097,326
Distribution Losses	<u>6,079</u>	<u>6,129</u>	<u>3,881</u>	<u>2,461</u>	<u>2,212</u>	<u>3,641</u>	<u>5,485</u>	<u>6,150</u>	<u>4,824</u>	<u>2,817</u>	<u>2,505</u>	<u>4,152</u>	<u>50,336</u>
Residential Sales	259,367	261,490	165,587	105,013	94,377	155,341	234,027	262,409	205,819	120,194	106,890	177,148	2,147,662
Transmission Losses	7,522	7,583	4,802	3,045	2,737	4,505	6,787	7,610	5,969	3,486	3,100	5,137	62,283
Commercial:													
Total Commercial	125,264	125,401	114,859	108,551	114,836	155,551	202,371	218,668	184,152	129,581	110,726	117,445	1,707,405
Distribution Losses	<u>3,006</u>	<u>3,010</u>	<u>2,757</u>	<u>2,605</u>	<u>2,756</u>	<u>3,733</u>	<u>4,857</u>	<u>5,248</u>	<u>4,420</u>	<u>3,110</u>	<u>2,657</u>	<u>2,819</u>	<u>40,978</u>
Commercial Sales	128,270	128,411	117,616	111,156	117,592	159,284	207,228	223,916	188,572	132,691	113,383	120,264	1,748,383
Transmission Losses	3,720	3,724	3,411	3,224	3,410	4,619	6,010	6,494	5,469	3,848	3,288	3,488	50,705
Industrial:													
Total Industrial	191,211	191,054	213,122	209,573	218,307	216,990	215,196	223,984	216,964	223,342	204,669	189,337	2,513,749
Transmission Losses	5,545	5,541	6,181	6,078	6,331	6,293	6,241	6,496	6,292	6,477	5,935	5,491	72,901
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	26,411	23,978	20,168	17,978	19,434	27,386	35,520	36,477	29,422	20,702	19,504	23,774	300,754
Transmission Losses	766	695	585	521	564	794	1,030	1,058	853	600	566	689	8,721
Central Electric:													
Total Central Electric	1,233,984	990,842	754,184	629,327	727,563	1,016,529	1,245,903	1,174,381	898,697	656,682	752,036	1,094,470	11,174,598
Transmission Losses	35,786	28,734	21,871	18,250	21,099	29,479	36,131	34,057	26,062	19,044	21,809	31,740	324,062
Total Energy Sales	1,830,158	1,586,636	1,264,039	1,067,981	1,172,305	1,568,156	1,927,532	1,909,769	1,530,230	1,147,684	1,191,320	1,598,022	17,793,832
Total Distribution Losses	9,085	9,139	6,638	5,066	4,968	7,374	10,342	11,398	9,244	5,927	5,162	6,971	91,314
Total Transmission Losses	<u>53,339</u>	<u>46,277</u>	<u>36,850</u>	<u>31,118</u>	<u>34,141</u>	<u>45,690</u>	<u>56,199</u>	<u>55,715</u>	<u>44,645</u>	<u>33,455</u>	<u>34,698</u>	<u>46,545</u>	<u>518,672</u>
Total Output to Lines	1,892,582	1,642,052	1,307,527	1,104,165	1,211,414	1,621,220	1,994,073	1,976,882	1,584,119	1,187,066	1,231,180	1,651,538	18,403,818
Woodland Hills													
Other Central Substations													
Territorial Energy	1,892,582	1,642,052	1,307,527	1,104,165	1,211,414	1,621,220	1,994,073	1,976,882	1,584,119	1,187,066	1,231,180	1,651,538	18,403,818
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,892,582	1,642,052	1,307,527	1,104,165	1,211,414	1,621,220	1,994,073	1,976,882	1,584,119	1,187,066	1,231,180	1,651,538	18,403,818

SANTEE COOPER ENERGY FORECAST – HIGH
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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	263,028	265,164	167,765	106,249	95,423	157,217	236,972	265,726	208,349	121,558	108,103	179,393	2,174,947
Distribution Losses	<u>6,313</u>	<u>6,364</u>	<u>4,026</u>	<u>2,550</u>	<u>2,290</u>	<u>3,773</u>	<u>5,687</u>	<u>6,377</u>	<u>5,000</u>	<u>2,917</u>	<u>2,594</u>	<u>4,305</u>	<u>52,196</u>
Residential Sales	269,341	271,528	171,791	108,799	97,713	160,990	242,659	272,103	213,349	124,475	110,697	183,698	2,227,143
Transmission Losses	7,811	7,874	4,982	3,155	2,834	4,669	7,037	7,891	6,187	3,610	3,210	5,327	64,587
Commercial:													
Total Commercial	128,189	128,323	117,474	110,976	117,376	158,975	206,814	223,457	188,179	132,413	113,164	120,078	1,745,418
Distribution Losses	<u>3,077</u>	<u>3,080</u>	<u>2,819</u>	<u>2,663</u>	<u>2,817</u>	<u>3,815</u>	<u>4,964</u>	<u>5,363</u>	<u>4,516</u>	<u>3,178</u>	<u>2,716</u>	<u>2,882</u>	<u>41,890</u>
Commercial Sales	131,266	131,403	120,293	113,639	120,193	162,790	211,778	228,820	192,695	135,591	115,880	122,960	1,787,308
Transmission Losses	3,807	3,811	3,488	3,296	3,486	4,721	6,142	6,636	5,588	3,932	3,361	3,566	51,834
Industrial:													
Total Industrial	192,263	192,070	214,243	210,689	219,501	218,175	216,377	225,232	218,159	224,571	205,789	190,354	2,527,423
Transmission Losses	5,576	5,570	6,213	6,110	6,366	6,327	6,275	6,532	6,327	6,513	5,968	5,520	73,297
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	27,252	24,696	20,724	18,439	19,934	28,116	36,473	37,428	30,163	21,216	20,027	24,485	308,953
Transmission Losses	790	716	601	535	578	815	1,058	1,085	875	615	581	710	8,959
Central Electric:													
Total Central Electric	1,284,754	1,029,168	779,976	648,573	750,846	1,053,102	1,292,590	1,217,573	929,363	677,164	777,786	1,136,709	11,577,604
Transmission Losses	37,258	29,846	22,619	18,809	21,775	30,540	37,485	35,310	26,952	19,638	22,556	32,965	335,753
Total Energy Sales	1,895,486	1,639,421	1,300,182	1,094,926	1,203,080	1,615,585	1,989,226	1,969,416	1,574,213	1,176,922	1,224,869	1,651,019	18,334,345
Total Distribution Losses	9,390	9,444	6,845	5,213	5,107	7,588	10,651	11,740	9,516	6,095	5,310	7,187	94,086
Total Transmission Losses	<u>55,242</u>	<u>47,817</u>	<u>37,903</u>	<u>31,905</u>	<u>35,039</u>	<u>47,072</u>	<u>57,997</u>	<u>57,454</u>	<u>45,929</u>	<u>34,308</u>	<u>35,676</u>	<u>48,088</u>	<u>534,430</u>
Total Output to Lines	1,960,118	1,696,682	1,344,930	1,132,044	1,243,226	1,670,245	2,057,874	2,038,610	1,629,658	1,217,325	1,265,855	1,706,294	18,962,861
Woodland Hills													
Other Central Substations													
Territorial Energy	1,960,118	1,696,682	1,344,930	1,132,044	1,243,226	1,670,245	2,057,874	2,038,610	1,629,658	1,217,325	1,265,855	1,706,294	18,962,861
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	1,960,118	1,696,682	1,344,930	1,132,044	1,243,226	1,670,245	2,057,874	2,038,610	1,629,658	1,217,325	1,265,855	1,706,294	18,962,861

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	272,924	275,124	173,923	110,009	98,736	162,821	245,530	275,335	215,817	125,808	111,884	185,895	2,253,806
Distribution Losses	<u>6,550</u>	<u>6,603</u>	<u>4,174</u>	<u>2,640</u>	<u>2,370</u>	<u>3,908</u>	<u>5,893</u>	<u>6,608</u>	<u>5,180</u>	<u>3,019</u>	<u>2,685</u>	<u>4,461</u>	<u>54,091</u>
Residential Sales	279,474	281,727	178,097	112,649	101,106	166,729	251,423	281,943	220,997	128,827	114,569	190,356	2,307,897
Transmission Losses	8,105	8,170	5,165	3,267	2,932	4,835	7,291	8,176	6,409	3,736	3,323	5,520	66,929
Commercial:													
Total Commercial	131,115	131,244	120,085	113,395	119,907	162,387	211,240	228,228	192,190	135,235	115,595	122,705	1,783,326
Distribution Losses	<u>3,147</u>	<u>3,150</u>	<u>2,882</u>	<u>2,721</u>	<u>2,878</u>	<u>3,897</u>	<u>5,070</u>	<u>5,477</u>	<u>4,613</u>	<u>3,246</u>	<u>2,774</u>	<u>2,945</u>	<u>42,800</u>
Commercial Sales	134,262	134,394	122,967	116,116	122,785	166,284	216,310	233,705	196,803	138,481	118,369	125,650	1,826,126
Transmission Losses	3,894	3,897	3,566	3,367	3,561	4,822	6,273	6,777	5,707	4,016	3,433	3,644	52,957
Industrial:													
Total Industrial	193,318	193,089	215,367	211,807	220,698	219,364	217,560	226,482	219,357	225,802	206,912	191,374	2,541,130
Transmission Losses	5,606	5,600	6,246	6,142	6,400	6,362	6,309	6,568	6,361	6,548	6,000	5,550	73,692
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	28,102	25,421	21,284	18,903	20,439	28,851	37,431	38,383	30,907	21,733	20,553	25,203	317,210
Transmission Losses	815	737	617	548	593	837	1,085	1,113	896	630	596	731	9,198
Central Electric:													
Total Central Electric	1,337,518	1,068,987	806,756	668,541	774,983	1,090,992	1,340,941	1,262,309	961,135	698,403	804,508	1,180,568	11,995,641
Transmission Losses	38,788	31,001	23,396	19,388	22,475	31,639	38,887	36,607	27,873	20,254	23,331	34,236	347,875
Total Energy Sales	1,962,977	1,693,865	1,337,415	1,122,655	1,234,763	1,664,415	2,052,702	2,030,737	1,619,406	1,206,981	1,259,452	1,705,745	18,891,113
Total Distribution Losses	9,697	9,753	7,056	5,361	5,248	7,805	10,963	12,085	9,793	6,265	5,459	7,406	96,891
Total Transmission Losses	<u>57,208</u>	<u>49,405</u>	<u>38,990</u>	<u>32,712</u>	<u>35,961</u>	<u>48,495</u>	<u>59,845</u>	<u>59,241</u>	<u>47,246</u>	<u>35,184</u>	<u>36,683</u>	<u>49,681</u>	<u>550,651</u>
Total Output to Lines	2,029,882	1,753,023	1,383,461	1,160,728	1,275,972	1,720,715	2,123,510	2,102,063	1,676,445	1,248,430	1,301,594	1,762,832	19,538,655
Woodland Hills													
Other Central Substations													
Territorial Energy	2,029,882	1,753,023	1,383,461	1,160,728	1,275,972	1,720,715	2,123,510	2,102,063	1,676,445	1,248,430	1,301,594	1,762,832	19,538,655
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	2,029,882	1,753,023	1,383,461	1,160,728	1,275,972	1,720,715	2,123,510	2,102,063	1,676,445	1,248,430	1,301,594	1,762,832	19,538,655

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Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	282,978	285,244	180,182	113,833	102,107	168,515	254,221	285,093	223,402	130,130	115,731	192,505	2,333,941
Distribution Losses	<u>6,791</u>	<u>6,846</u>	<u>4,324</u>	<u>2,732</u>	<u>2,451</u>	<u>4,044</u>	<u>6,101</u>	<u>6,842</u>	<u>5,362</u>	<u>3,123</u>	<u>2,778</u>	<u>4,620</u>	<u>56,014</u>
Residential Sales	289,769	292,090	184,506	116,565	104,558	172,559	260,322	291,935	228,764	133,253	118,509	197,125	2,389,955
Transmission Losses	8,403	8,471	5,351	3,380	3,032	5,004	7,549	8,466	6,634	3,864	3,437	5,717	69,308
Commercial:													
Total Commercial	134,038	134,163	122,691	115,807	122,431	165,787	215,651	232,985	196,190	138,050	118,020	125,331	1,821,144
Distribution Losses	<u>3,217</u>	<u>3,220</u>	<u>2,945</u>	<u>2,779</u>	<u>2,938</u>	<u>3,979</u>	<u>5,176</u>	<u>5,592</u>	<u>4,709</u>	<u>3,313</u>	<u>2,832</u>	<u>3,008</u>	<u>43,708</u>
Commercial Sales	137,255	137,383	125,636	118,586	125,369	169,766	220,827	238,577	200,899	141,363	120,852	128,339	1,864,852
Transmission Losses	3,980	3,984	3,643	3,439	3,636	4,923	6,404	6,919	5,826	4,100	3,505	3,722	54,081
Industrial:													
Total Industrial	194,375	194,109	216,493	212,928	221,897	220,555	218,746	227,735	220,558	227,035	208,038	192,396	2,554,865
Transmission Losses	5,637	5,629	6,278	6,175	6,435	6,396	6,344	6,604	6,396	6,584	6,033	5,579	74,090
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	28,959	26,151	21,848	19,370	20,946	29,591	38,395	39,344	31,655	22,252	21,083	25,927	325,521
Transmission Losses	840	758	634	562	607	858	1,113	1,141	918	645	611	752	9,439
Central Electric:													
Total Central Electric	1,392,315	1,110,329	834,545	689,245	799,995	1,130,230	1,391,002	1,308,643	994,063	720,438	832,265	1,226,170	12,429,240
Transmission Losses	40,377	32,200	24,202	19,988	23,200	32,777	40,339	37,951	28,828	20,893	24,136	35,559	360,450
Total Energy Sales	2,032,665	1,749,996	1,375,759	1,151,183	1,267,376	1,714,678	2,118,015	2,093,800	1,665,868	1,237,905	1,295,137	1,762,329	19,464,711
Total Distribution Losses	10,008	10,066	7,269	5,511	5,389	8,023	11,277	12,434	10,071	6,436	5,610	7,628	99,722
Total Transmission Losses	<u>59,237</u>	<u>51,042</u>	<u>40,108</u>	<u>33,544</u>	<u>36,910</u>	<u>49,958</u>	<u>61,749</u>	<u>61,081</u>	<u>48,602</u>	<u>36,086</u>	<u>37,722</u>	<u>51,329</u>	<u>567,368</u>
Total Output to Lines	2,101,910	1,811,104	1,423,136	1,190,238	1,309,675	1,772,659	2,191,041	2,167,315	1,724,541	1,280,427	1,338,469	1,821,286	20,131,801
Woodland Hills													
Other Central Substations													
Territorial Energy	2,101,910	1,811,104	1,423,136	1,190,238	1,309,675	1,772,659	2,191,041	2,167,315	1,724,541	1,280,427	1,338,469	1,821,286	20,131,801
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	2,101,910	1,811,104	1,423,136	1,190,238	1,309,675	1,772,659	2,191,041	2,167,315	1,724,541	1,280,427	1,338,469	1,821,286	20,131,801

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	293,196	295,529	186,547	117,725	105,538	174,303	263,051	295,005	231,110	134,525	119,646	199,227	2,415,402
Distribution Losses	<u>7,037</u>	<u>7,093</u>	<u>4,477</u>	<u>2,825</u>	<u>2,533</u>	<u>4,183</u>	<u>6,313</u>	<u>7,080</u>	<u>5,547</u>	<u>3,229</u>	<u>2,872</u>	<u>4,781</u>	<u>57,970</u>
Residential Sales	300,233	302,622	191,024	120,550	108,071	178,486	269,364	302,085	236,657	137,754	122,518	204,008	2,473,372
Transmission Losses	8,707	8,776	5,540	3,496	3,134	5,176	7,812	8,760	6,863	3,995	3,553	5,916	71,728
Commercial:													
Total Commercial	136,963	137,084	125,295	118,217	124,951	169,183	220,056	237,734	200,184	140,860	120,442	127,955	1,858,924
Distribution Losses	<u>3,287</u>	<u>3,290</u>	<u>3,007</u>	<u>2,837</u>	<u>2,999</u>	<u>4,060</u>	<u>5,281</u>	<u>5,706</u>	<u>4,804</u>	<u>3,381</u>	<u>2,891</u>	<u>3,071</u>	<u>44,614</u>
Commercial Sales	140,250	140,374	128,302	121,054	127,950	173,243	225,337	243,440	204,988	144,241	123,333	131,026	1,903,538
Transmission Losses	4,067	4,071	3,721	3,511	3,711	5,024	6,535	7,060	5,945	4,183	3,577	3,800	55,205
Industrial:													
Total Industrial	195,434	195,132	217,621	214,051	223,100	221,749	219,935	228,991	221,762	228,272	209,166	193,420	2,568,633
Transmission Losses	5,668	5,659	6,311	6,207	6,470	6,431	6,378	6,641	6,431	6,620	6,066	5,609	74,491
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	29,825	26,890	22,417	19,841	21,457	30,337	39,368	40,312	32,409	22,776	21,618	26,659	333,909
Transmission Losses	865	780	650	575	622	880	1,142	1,169	940	661	627	773	9,684
Central Electric:													
Total Central Electric	1,449,319	1,153,338	863,446	710,768	825,987	1,170,999	1,443,021	1,356,781	1,028,274	743,343	861,135	1,273,626	12,880,037
Transmission Losses	42,030	33,447	25,040	20,612	23,954	33,959	41,848	39,347	29,820	21,557	24,973	36,935	373,522
Total Energy Sales	2,104,737	1,807,973	1,415,326	1,180,602	1,301,033	1,766,571	2,185,431	2,158,823	1,713,739	1,269,776	1,332,007	1,820,887	20,056,905
Total Distribution Losses	10,324	10,383	7,484	5,662	5,532	8,243	11,594	12,786	10,351	6,610	5,763	7,852	102,584
Total Transmission Losses	<u>61,337</u>	<u>52,733</u>	<u>41,262</u>	<u>34,401</u>	<u>37,891</u>	<u>51,470</u>	<u>63,715</u>	<u>62,977</u>	<u>49,999</u>	<u>37,016</u>	<u>38,796</u>	<u>53,033</u>	<u>584,630</u>
Total Output to Lines	2,176,398	1,871,089	1,464,072	1,220,665	1,344,456	1,826,284	2,260,740	2,234,586	1,774,089	1,313,402	1,376,566	1,881,772	20,744,119
Woodland Hills													
Other Central Substations													
Territorial Energy	2,176,398	1,871,089	1,464,072	1,220,665	1,344,456	1,826,284	2,260,740	2,234,586	1,774,089	1,313,402	1,376,566	1,881,772	20,744,119
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	2,176,398	1,871,089	1,464,072	1,220,665	1,344,456	1,826,284	2,260,740	2,234,586	1,774,089	1,313,402	1,376,566	1,881,772	20,744,119

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Residential:													
Total Residential	303,584	305,984	193,020	121,686	109,029	180,187	272,022	305,075	238,943	138,996	123,630	206,063	2,498,219
Distribution Losses	<u>7,286</u>	<u>7,344</u>	<u>4,632</u>	<u>2,920</u>	<u>2,617</u>	<u>4,324</u>	<u>6,529</u>	<u>7,322</u>	<u>5,735</u>	<u>3,336</u>	<u>2,967</u>	<u>4,946</u>	<u>59,958</u>
Residential Sales	310,870	313,328	197,652	124,606	111,646	184,511	278,551	312,397	244,678	142,332	126,597	211,009	2,558,177
Transmission Losses	9,015	9,087	5,732	3,614	3,238	5,351	8,078	9,060	7,096	4,128	3,671	6,119	74,189
Commercial:													
Total Commercial	139,888	140,004	127,897	120,621	127,465	172,569	224,447	242,468	204,165	143,663	122,859	130,576	1,896,622
Distribution Losses	<u>3,357</u>	<u>3,360</u>	<u>3,070</u>	<u>2,895</u>	<u>3,059</u>	<u>4,142</u>	<u>5,387</u>	<u>5,819</u>	<u>4,900</u>	<u>3,448</u>	<u>2,949</u>	<u>3,134</u>	<u>45,520</u>
Commercial Sales	143,245	143,364	130,967	123,516	130,524	176,711	229,834	248,287	209,065	147,111	125,808	133,710	1,942,142
Transmission Losses	4,154	4,158	3,798	3,582	3,785	5,125	6,665	7,200	6,063	4,266	3,648	3,878	56,322
Industrial:													
Total Industrial	196,496	196,157	218,752	215,176	224,305	222,946	221,127	230,250	222,968	229,512	210,297	194,446	2,582,432
Transmission Losses	5,698	5,689	6,344	6,240	6,505	6,465	6,413	6,677	6,466	6,656	6,099	5,639	74,891
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	30,701	27,635	22,991	20,316	21,973	31,089	40,347	41,286	33,167	23,303	22,157	27,399	342,364
Transmission Losses	890	801	667	589	637	902	1,170	1,197	962	676	643	795	9,929
Central Electric:													
Total Central Electric	1,508,641	1,198,073	893,481	733,112	852,950	1,213,264	1,496,930	1,406,679	1,063,751	767,114	891,130	1,322,977	13,348,102
Transmission Losses	43,751	34,744	25,911	21,260	24,736	35,185	43,411	40,794	30,849	22,246	25,843	38,366	387,096
Total Energy Sales	2,179,310	1,867,853	1,456,141	1,210,911	1,335,722	1,820,055	2,254,873	2,225,758	1,762,994	1,302,588	1,370,073	1,881,461	20,667,739
Total Distribution Losses	10,643	10,704	7,702	5,815	5,676	8,466	11,916	13,141	10,635	6,784	5,916	8,080	105,478
Total Transmission Losses	<u>63,508</u>	<u>54,479</u>	<u>42,452</u>	<u>35,285</u>	<u>38,901</u>	<u>53,028</u>	<u>65,737</u>	<u>64,928</u>	<u>51,436</u>	<u>37,972</u>	<u>39,904</u>	<u>54,797</u>	<u>602,427</u>
Total Output to Lines	2,253,461	1,933,036	1,506,295	1,252,011	1,380,299	1,881,549	2,332,526	2,303,827	1,825,065	1,347,344	1,415,893	1,944,338	21,375,644
Woodland Hills													
Other Central Substations													
Territorial Energy	2,253,461	1,933,036	1,506,295	1,252,011	1,380,299	1,881,549	2,332,526	2,303,827	1,825,065	1,347,344	1,415,893	1,944,338	21,375,644
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	2,253,461	1,933,036	1,506,295	1,252,011	1,380,299	1,881,549	2,332,526	2,303,827	1,825,065	1,347,344	1,415,893	1,944,338	21,375,644

SANTEE COOPER ENERGY FORECAST – HIGH
Calendar Year 2010 – (MWH)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	314,143	316,613	199,603	125,716	112,583	186,169	281,137	315,317	246,920	143,559	127,701	213,051	2,582,512
Distribution Losses	<u>7,539</u>	<u>7,599</u>	<u>4,790</u>	<u>3,017</u>	<u>2,702</u>	<u>4,468</u>	<u>6,747</u>	<u>7,568</u>	<u>5,926</u>	<u>3,445</u>	<u>3,065</u>	<u>5,113</u>	<u>61,979</u>
Residential Sales	321,682	324,212	204,393	128,733	115,285	190,637	287,884	322,885	252,846	147,004	130,766	218,164	2,644,491
Transmission Losses	9,329	9,402	5,927	3,733	3,343	5,528	8,349	9,364	7,333	4,263	3,792	6,327	76,690
Commercial:													
Total Commercial	142,813	142,926	130,497	123,021	129,973	175,947	228,830	247,201	208,152	146,474	125,289	133,218	1,934,341
Distribution Losses	<u>3,428</u>	<u>3,430</u>	<u>3,132</u>	<u>2,953</u>	<u>3,119</u>	<u>4,223</u>	<u>5,492</u>	<u>5,933</u>	<u>4,996</u>	<u>3,515</u>	<u>3,007</u>	<u>3,197</u>	<u>46,425</u>
Commercial Sales	146,241	146,356	133,629	125,974	133,092	180,170	234,322	253,134	213,148	149,989	128,296	136,415	1,980,766
Transmission Losses	4,241	4,244	3,875	3,653	3,860	5,225	6,795	7,341	6,181	4,350	3,721	3,956	57,442
Industrial:													
Total Industrial	197,560	197,185	219,886	216,305	225,513	224,146	222,322	231,512	224,177	230,754	211,430	195,475	2,596,265
Transmission Losses	5,729	5,718	6,377	6,273	6,540	6,500	6,447	6,714	6,501	6,692	6,131	5,669	75,291
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	31,586	28,388	23,571	20,794	22,492	31,847	41,334	42,269	33,933	23,836	22,704	28,150	350,904
Transmission Losses	916	823	684	603	652	924	1,199	1,226	984	691	658	816	10,176
Central Electric:													
Total Central Electric	1,570,359	1,244,607	924,710	756,329	880,956	1,257,157	1,552,916	1,458,508	1,100,612	791,830	922,348	1,374,382	13,834,714
Transmission Losses	45,540	36,094	26,817	21,934	25,548	36,458	45,035	42,297	31,918	22,963	26,748	39,857	401,209
Total Energy Sales	2,256,461	1,929,719	1,498,267	1,242,165	1,371,517	1,875,266	2,326,539	2,294,807	1,813,794	1,336,453	1,409,472	1,944,276	21,298,736
Total Distribution Losses	10,967	11,029	7,922	5,970	5,821	8,691	12,239	13,501	10,922	6,960	6,072	8,310	108,404
Total Transmission Losses	<u>65,755</u>	<u>56,281</u>	<u>43,680</u>	<u>36,196</u>	<u>39,943</u>	<u>54,635</u>	<u>67,825</u>	<u>66,942</u>	<u>52,917</u>	<u>38,959</u>	<u>41,050</u>	<u>56,625</u>	<u>620,808</u>
Total Output to Lines	2,333,183	1,997,029	1,549,869	1,284,331	1,417,281	1,938,592	2,406,603	2,375,250	1,877,633	1,382,372	1,456,594	2,009,211	22,027,948
Woodland Hills													
Other Central Substations													
Territorial Energy	2,333,183	1,997,029	1,549,869	1,284,331	1,417,281	1,938,592	2,406,603	2,375,250	1,877,633	1,382,372	1,456,594	2,009,211	22,027,948
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	2,333,183	1,997,029	1,549,869	1,284,331	1,417,281	1,938,592	2,406,603	2,375,250	1,877,633	1,382,372	1,456,594	2,009,211	22,027,948

SANTEE COOPER ENERGY FORECAST – HIGH
Calendar Year 2012 – (MWH)

Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Residential:													
Total Residential	336,065	338,701	213,307	134,125	120,006	198,656	300,169	336,677	263,548	153,073	136,189	227,591	2,758,107
Distribution Losses	<u>8,066</u>	<u>8,129</u>	<u>5,119</u>	<u>3,219</u>	<u>2,880</u>	<u>4,768</u>	<u>7,204</u>	<u>8,080</u>	<u>6,325</u>	<u>3,674</u>	<u>3,269</u>	<u>5,462</u>	<u>66,195</u>
Residential Sales	344,131	346,830	218,426	137,344	122,886	203,424	307,373	344,757	269,873	156,747	139,458	233,053	2,824,302
Transmission Losses	9,980	10,058	6,334	3,983	3,564	5,899	8,914	9,998	7,826	4,546	4,044	6,759	81,905
Commercial:													
Total Commercial	148,783	148,896	135,813	127,934	135,113	182,881	237,838	256,923	216,337	152,242	130,273	138,640	2,011,673
Distribution Losses	<u>3,571</u>	<u>3,574</u>	<u>3,260</u>	<u>3,070</u>	<u>3,243</u>	<u>4,389</u>	<u>5,708</u>	<u>6,166</u>	<u>5,192</u>	<u>3,654</u>	<u>3,127</u>	<u>3,327</u>	<u>48,281</u>
Commercial Sales	152,354	152,470	139,073	131,004	138,356	187,270	243,546	263,089	221,529	155,896	133,400	141,967	2,059,954
Transmission Losses	4,418	4,422	4,033	3,799	4,012	5,431	7,063	7,630	6,424	4,521	3,869	4,117	59,739
Industrial:													
Total Industrial	199,695	199,247	222,161	218,569	227,938	226,555	224,721	234,045	226,604	233,248	213,704	197,540	2,624,027
Transmission Losses	5,791	5,778	6,443	6,339	6,610	6,570	6,517	6,787	6,572	6,764	6,197	5,729	76,097
Alumax:													
Alumax	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Municipals	33,412	29,943	24,767	21,782	23,567	33,418	43,381	44,304	35,515	24,937	23,834	29,702	368,562
Transmission Losses	969	868	718	632	683	969	1,258	1,285	1,030	723	691	861	10,687
Central Electric:													
Total Central Electric	1,701,697	1,343,602	991,087	805,613	940,319	1,350,047	1,671,312	1,567,924	1,178,370	844,008	988,252	1,482,827	14,865,058
Transmission Losses	49,349	38,964	28,742	23,363	27,269	39,151	48,468	45,470	34,173	24,476	28,659	43,002	431,086
Total Energy Sales	2,419,652	2,060,389	1,587,135	1,308,023	1,446,943	1,991,557	2,477,421	2,439,873	1,920,374	1,407,508	1,492,252	2,076,300	22,627,427
Total Distribution Losses	11,637	11,703	8,379	6,289	6,123	9,157	12,912	14,246	11,517	7,328	6,396	8,789	114,476
Total Transmission Losses	<u>70,507</u>	<u>60,090</u>	<u>46,270</u>	<u>38,116</u>	<u>42,138</u>	<u>58,020</u>	<u>72,220</u>	<u>71,170</u>	<u>56,025</u>	<u>41,030</u>	<u>43,460</u>	<u>60,468</u>	<u>659,514</u>
Total Output to Lines	2,501,796	2,132,182	1,641,784	1,352,428	1,495,204	2,058,734	2,562,553	2,525,289	1,987,916	1,455,866	1,542,108	2,145,557	23,401,417
Woodland Hills													
Other Central Substations													
Territorial Energy	2,501,796	2,132,182	1,641,784	1,352,428	1,495,204	2,058,734	2,562,553	2,525,289	1,987,916	1,455,866	1,542,108	2,145,557	23,401,417
Off-System Sales:													
NCEMPA													
Total Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Requirements	2,501,796	2,132,182	1,641,784	1,352,428	1,495,204	2,058,734	2,562,553	2,525,289	1,987,916	1,455,866	1,542,108	2,145,557	23,401,417

SANTEE COOPER DEMAND FORECAST – HIGH

Summary Table – (MW)

Final

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Distribution:																				
Peak	627	671	706	736	765	795	825	782	884	915	945	975	1,006	1,038	1,070	1,102	1,074	1,109	1,144	1,180
Less: DSM Projections	5	6	8	9	11	12	14	27	17	18	20	21	23	24	25	27	54	57	59	62
Distribution Losses	15	16	17	17	18	19	19	18	21	22	22	23	24	24	25	26	24	25	26	27
Transmission Losses	<u>23</u>	<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>	<u>29</u>	<u>30</u>	<u>28</u>	<u>32</u>	<u>34</u>	<u>35</u>	<u>36</u>	<u>37</u>	<u>38</u>	<u>39</u>	<u>40</u>	<u>38</u>	<u>39</u>	<u>41</u>	<u>42</u>
TOTAL DISTRIBUTION	660	706	741	771	800	831	860	801	920	953	982	1,013	1,044	1,076	1,109	1,141	1,082	1,116	1,152	1,187
Industrial (including Military):																				
Total Industrial	290	287	243	229	222	224	225	197	227	228	229	231	232	233	234	236	207	208	209	210
Transmission Losses	<u>11</u>	<u>10</u>	<u>9</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>7</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>9</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>8</u>
TOTAL INDUSTRIAL	301	297	252	237	230	232	233	204	235	236	237	239	240	242	243	245	215	216	217	218
Alumax:																				
Peak	300	300	300	300	300	300	300	301	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	311	311	311	311	311	311	311	312	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:																				
Peak	46	48	50	52	54	56	57	58	61	63	64	66	68	70	72	73	83	86	89	92
Transmission Losses	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>
TOTAL MUNICIPALS	48	50	52	54	56	58	59	60	63	65	66	68	70	73	75	76	86	89	92	95
Central Electric:																				
Peak	1,752	1,833	1,920	1,995	2,072	2,160	2,252	2,417	2,429	2,530	2,633	2,764	2,875	2,991	3,110	3,234	3,597	3,754	3,917	4,088
Less: DSM Projections	19	25	31	38	45	52	59	132	72	78	83	88	92	97	101	105	219	227	235	243
Transmission Losses	<u>63</u>	<u>66</u>	<u>69</u>	<u>71</u>	<u>74</u>	<u>77</u>	<u>80</u>	<u>83</u>	<u>86</u>	<u>89</u>	<u>93</u>	<u>98</u>	<u>102</u>	<u>106</u>	<u>110</u>	<u>114</u>	<u>123</u>	<u>129</u>	<u>134</u>	<u>140</u>
TOTAL Central Electric	<u>1,796</u>	<u>1,874</u>	<u>1,958</u>	<u>2,028</u>	<u>2,101</u>	<u>2,185</u>	<u>2,273</u>	<u>2,368</u>	<u>2,443</u>	<u>2,541</u>	<u>2,643</u>	<u>2,774</u>	<u>2,885</u>	<u>3,000</u>	<u>3,119</u>	<u>3,243</u>	<u>3,501</u>	<u>3,656</u>	<u>3,816</u>	<u>3,985</u>
Total System:	2,991	3,108	3,180	3,265	3,357	3,471	3,586	3,596	3,512	3,640	3,768	3,927	4,066	4,211	4,360	4,513	4,688	4,873	5,065	5,265
Total System Losses:	<u>125</u>	<u>130</u>	<u>134</u>	<u>136</u>	<u>141</u>	<u>146</u>	<u>150</u>	<u>149</u>	<u>149</u>	<u>155</u>	<u>160</u>	<u>167</u>	<u>173</u>	<u>180</u>	<u>186</u>	<u>192</u>	<u>196</u>	<u>204</u>	<u>212</u>	<u>220</u>
Territorial Sales																				
Other Central Substations	16	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	<u>8</u>	<u>9</u>	<u>9</u>	<u>10</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Territorial Load																				
Off-System Peak:	3,092	3,212	3,288	3,391	3,498	3,617	3,736	3,745	3,661	3,795	3,928	4,094	4,239	4,391	4,546	4,705	4,884	5,077	5,277	5,485
NCEMPA	<u>77</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>50</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Off-System Peak	<u>77</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>50</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Load Requirements	3,169	3,312	3,388	3,491	3,598	3,667	3,736	3,745	3,661	3,795	3,928	4,094	4,239	4,391	4,546	4,705	4,884	5,077	5,277	5,485

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Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	556	508	445	451	495	603	627	592	548	477	455	562	627
Less: DSM Projections	9	9	0	0	0	5	5	5	5	0	0	9	5
Distribution Losses	13	12	11	11	12	14	15	14	13	11	11	13	15
Transmission Losses	<u>20</u>	<u>19</u>	<u>17</u>	<u>17</u>	<u>19</u>	<u>22</u>	<u>23</u>	<u>22</u>	<u>20</u>	<u>18</u>	<u>17</u>	<u>21</u>	<u>23</u>
TOTAL DISTRIBUTION	580	530	473	479	526	634	660	623	576	506	483	587	660
Industrial (including Military):													
Total Industrial	258	242	336	356	389	277	290	287	384	362	346	241	290
Transmission Losses	<u>9</u>	<u>9</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>10</u>	<u>11</u>	<u>10</u>	<u>14</u>	<u>13</u>	<u>13</u>	<u>9</u>	<u>11</u>
TOTAL INDUSTRIAL	267	251	348	369	403	287	301	297	398	375	359	250	301
Alumax:													
Peak	301	302	300	301	299	301	300	299	299	299	301	301	300
Transmission Losses	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>
TOTAL ALUMAX	312	313	311	312	310	312	311	310	310	310	312	312	311
Municipals:													
Peak	39	35	32	36	38	46	46	44	40	36	34	38	46
Transmission Losses	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>2</u>
TOTAL MUNICIPALS	40	36	33	37	39	48	48	46	41	37	35	39	48
Central Electric:													
Peak	1,784	1,617	1,463	1,230	1,420	1,649	1,752	1,653	1,544	1,286	1,521	1,739	1,752
Less: DSM Projections	34	34	0	0	0	19	19	19	19	0	0	40	19
Transmission Losses	<u>64</u>	<u>58</u>	<u>53</u>	<u>45</u>	<u>52</u>	<u>59</u>	<u>63</u>	<u>60</u>	<u>56</u>	<u>47</u>	<u>56</u>	<u>62</u>	<u>63</u>
TOTAL CENTRAL ELECTRIC	<u>1,814</u>	<u>1,641</u>	<u>1,516</u>	<u>1,275</u>	<u>1,472</u>	<u>1,689</u>	<u>1,796</u>	<u>1,694</u>	<u>1,581</u>	<u>1,333</u>	<u>1,577</u>	<u>1,761</u>	<u>1,796</u>
Total System:	2,895	2,661	2,576	2,374	2,641	2,852	2,991	2,851	2,791	2,460	2,657	2,832	2,991
Total System Losses:	<u>118</u>	<u>110</u>	<u>105</u>	<u>98</u>	<u>109</u>	<u>118</u>	<u>125</u>	<u>119</u>	<u>115</u>	<u>101</u>	<u>109</u>	<u>117</u>	<u>125</u>
Territorial Sales													
Woodland Hills	13	13	12	11	13	14	16	16	15	11	11	13	16
Other Central Substations	<u>9</u>	<u>8</u>	<u>8</u>	<u>6</u>	<u>5</u>	<u>7</u>	<u>8</u>	<u>8</u>	<u>7</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>8</u>
Territorial Load	2,991	2,750	2,661	2,455	2,732	2,949	3,092	2,946	2,884	2,544	2,748	2,928	3,092
Off-System Peak:													
NCEMPA	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>
Total Off-System Peak	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>	<u>77</u>
Total Load Requirements	3,068	2,827	2,738	2,532	2,809	3,026	3,169	3,023	2,961	2,621	2,825	3,005	3,169

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Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	594	543	475	484	531	646	671	632	584	507	481	595	671
Less: DSM Projections	11	11	0	0	0	6	6	6	6	0	0	12	6
Distribution Losses	14	13	11	12	13	15	16	15	14	12	12	14	16
Transmission Losses	<u>22</u>	<u>20</u>	<u>18</u>	<u>18</u>	<u>20</u>	<u>24</u>	<u>25</u>	<u>23</u>	<u>22</u>	<u>19</u>	<u>18</u>	<u>22</u>	<u>25</u>
TOTAL DISTRIBUTION	619	565	504	514	564	679	706	664	614	538	511	619	706
Industrial (including Military):													
Total Industrial	257	240	336	356	388	274	287	284	382	361	346	240	287
Transmission Losses	<u>9</u>	<u>9</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>10</u>	<u>10</u>	<u>10</u>	<u>14</u>	<u>13</u>	<u>13</u>	<u>9</u>	<u>10</u>
TOTAL INDUSTRIAL	266	249	348	369	402	284	297	294	396	374	359	249	297
Alumax:													
Peak	301	302	300	301	299	301	300	299	299	299	301	301	300
Transmission Losses	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>
TOTAL ALUMAX	312	313	311	312	310	312	311	310	310	310	312	312	311
Municipals:													
Peak	42	38	34	38	40	48	48	47	43	38	36	41	48
Transmission Losses	<u>2</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>2</u>
TOTAL MUNICIPALS	44	39	35	39	41	50	50	49	45	39	37	42	50
Central Electric:													
Peak	1,875	1,697	1,534	1,286	1,488	1,726	1,833	1,730	1,616	1,346	1,593	1,823	1,833
Less: DSM Projections	46	47	0	0	0	25	25	25	25	0	0	53	25
Transmission Losses	<u>67</u>	<u>60</u>	<u>56</u>	<u>47</u>	<u>54</u>	<u>62</u>	<u>66</u>	<u>62</u>	<u>58</u>	<u>49</u>	<u>58</u>	<u>65</u>	<u>66</u>
TOTAL CENTRAL ELECTRIC	1,896	1,710	1,590	1,333	1,542	1,763	1,874	1,767	1,649	1,395	1,651	1,835	1,874
Total System:	3,012	2,762	2,679	2,465	2,746	2,964	3,108	2,961	2,893	2,551	2,757	2,935	3,108
Total System Losses:	125	114	109	102	113	124	130	123	121	105	113	122	130
Territorial Sales	3,137	2,876	2,788	2,567	2,859	3,088	3,238	3,084	3,014	2,656	2,870	3,057	3,238
Woodland Hills	14	13	12	11	14	15	17	17	16	11	12	14	17
Other Central Substations	<u>8</u>	<u>8</u>	<u>7</u>	<u>6</u>	<u>5</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>8</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>
Territorial Load	3,115	2,855	2,769	2,550	2,840	3,065	3,212	3,058	2,990	2,639	2,851	3,035	3,212
Off-System Peak:													
NCEMPA	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>
Total Off-System Peak	100	100	100	100	100	100	100	100	100	100	100	100	100
Total Load Requirements	3,215	2,955	2,869	2,650	2,940	3,165	3,312	3,158	3,090	2,739	2,951	3,135	3,312

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Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	629	573	502	509	559	680	706	664	612	530	506	626	706
Less: DSM Projections	13	14	0	0	0	8	8	8	8	0	0	14	8
Distribution Losses	15	13	12	12	13	16	17	16	14	13	12	15	17
Transmission Losses	<u>23</u>	<u>21</u>	<u>19</u>	<u>19</u>	<u>21</u>	<u>25</u>	<u>26</u>	<u>25</u>	<u>23</u>	<u>20</u>	<u>19</u>	<u>23</u>	<u>26</u>
TOTAL DISTRIBUTION	654	593	533	540	593	713	741	697	641	563	537	650	741
Industrial (including Military):													
Total Industrial	209	200	300	310	343	230	243	246	338	319	305	210	243
Transmission Losses	<u>8</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>13</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>12</u>	<u>12</u>	<u>11</u>	<u>8</u>	<u>9</u>
TOTAL INDUSTRIAL	217	207	311	321	356	238	252	255	350	331	316	218	252
Alumax:													
Peak	301	302	300	301	299	301	300	299	299	299	301	301	300
Transmission Losses	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>
TOTAL ALUMAX	312	313	311	312	310	312	311	310	310	310	312	312	311
Municipals:													
Peak	45	40	36	40	42	50	50	49	44	40	38	43	50
Transmission Losses	<u>2</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>2</u>
TOTAL MUNICIPALS	47	41	37	41	44	52	52	51	46	41	39	45	52
Central Electric:													
Peak	1,958	1,775	1,604	1,346	1,558	1,806	1,920	1,811	1,691	1,408	1,665	1,905	1,920
Less: DSM Projections	59	60	0	0	0	31	31	32	32	0	0	67	31
Transmission Losses	<u>69</u>	<u>63</u>	<u>59</u>	<u>49</u>	<u>57</u>	<u>65</u>	<u>69</u>	<u>65</u>	<u>61</u>	<u>51</u>	<u>61</u>	<u>67</u>	<u>69</u>
TOTAL CENTRAL ELECTRIC	<u>1,968</u>	<u>1,778</u>	<u>1,663</u>	<u>1,395</u>	<u>1,615</u>	<u>1,840</u>	<u>1,958</u>	<u>1,844</u>	<u>1,720</u>	<u>1,459</u>	<u>1,726</u>	<u>1,905</u>	<u>1,958</u>
Total System:	3,070	2,816	2,742	2,506	2,801	3,028	3,180	3,029	2,944	2,596	2,815	3,004	3,180
Total System Losses:	<u>128</u>	<u>116</u>	<u>113</u>	<u>103</u>	<u>117</u>	<u>127</u>	<u>134</u>	<u>128</u>	<u>123</u>	<u>108</u>	<u>115</u>	<u>126</u>	<u>134</u>
Territorial Sales	3,198	2,932	2,855	2,609	2,918	3,155	3,314	3,157	3,067	2,704	2,930	3,130	3,314
Woodland Hills	14	13	12	11	14	15	17	17	16	11	12	14	17
Other Central Substations	<u>9</u>	<u>8</u>	<u>8</u>	<u>6</u>	<u>6</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>8</u>	<u>6</u>	<u>8</u>	<u>9</u>	<u>9</u>
Territorial Load	3,175	2,911	2,835	2,592	2,898	3,132	3,288	3,131	3,043	2,687	2,910	3,107	3,288
Off-System Peak:													
NCEMPA	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>
Total Off-System Peak	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>
Total Load Requirements	3,275	3,011	2,935	2,692	2,998	3,232	3,388	3,231	3,143	2,787	3,010	3,207	3,388

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Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	660	601	525	531	584	710	736	692	637	552	528	654	736
Less: DSM Projections	16	16	0	0	0	9	9	9	9	0	0	17	9
Distribution Losses	15	14	13	13	14	17	17	16	15	13	13	15	17
Transmission Losses	<u>24</u>	<u>22</u>	<u>20</u>	<u>20</u>	<u>22</u>	<u>26</u>	<u>27</u>	<u>26</u>	<u>23</u>	<u>21</u>	<u>20</u>	<u>24</u>	<u>27</u>
TOTAL DISTRIBUTION	683	621	558	564	620	744	771	725	666	586	561	676	771
Industrial (including Military):													
Total Industrial	199	190	290	299	332	217	229	232	324	307	294	200	229
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>8</u>
TOTAL INDUSTRIAL	206	197	301	310	344	225	237	240	336	318	305	207	237
Alumax:													
Peak	301	302	300	301	299	301	300	299	299	299	301	301	300
Transmission Losses	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>
TOTAL ALUMAX	312	313	311	312	310	312	311	310	310	310	312	312	311
Municipals:													
Peak	48	43	38	41	43	52	52	50	46	41	40	46	52
Transmission Losses	<u>2</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>2</u>
TOTAL MUNICIPALS	50	45	39	42	45	54	54	52	48	42	41	48	54
Central Electric:													
Peak	2,042	1,849	1,669	1,398	1,618	1,876	1,995	1,880	1,755	1,459	1,728	1,977	1,995
Less: DSM Projections	73	74	0	0	0	38	38	38	39	0	0	81	38
Transmission Losses	<u>72</u>	<u>65</u>	<u>61</u>	<u>51</u>	<u>59</u>	<u>67</u>	<u>71</u>	<u>67</u>	<u>63</u>	<u>53</u>	<u>63</u>	<u>69</u>	<u>71</u>
TOTAL CENTRAL ELECTRIC	<u>2,041</u>	<u>1,840</u>	<u>1,730</u>	<u>1,449</u>	<u>1,677</u>	<u>1,905</u>	<u>2,028</u>	<u>1,909</u>	<u>1,779</u>	<u>1,512</u>	<u>1,791</u>	<u>1,965</u>	<u>2,028</u>
Total System:	3,161	2,895	2,822	2,570	2,876	3,109	3,265	3,106	3,013	2,658	2,891	3,080	3,265
Total System Losses:	<u>131</u>	<u>121</u>	<u>117</u>	<u>107</u>	<u>120</u>	<u>131</u>	<u>136</u>	<u>130</u>	<u>126</u>	<u>110</u>	<u>119</u>	<u>128</u>	<u>136</u>
Territorial Sales	3,292	3,016	2,939	2,677	2,996	3,240	3,401	3,236	3,139	2,768	3,010	3,208	3,401
Woodland Hills													0
Other Central Substations	<u>9</u>	<u>9</u>	<u>8</u>	<u>7</u>	<u>6</u>	<u>9</u>	<u>10</u>	<u>10</u>	<u>8</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>
Territorial Load	3,283	3,007	2,931	2,670	2,990	3,231	3,391	3,226	3,131	2,761	3,002	3,199	3,391
Off-System Peak:													
NCEMPA	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>
Total Off-System Peak	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>
Total Load Requirements	3,383	3,107	3,031	2,770	3,090	3,331	3,491	3,326	3,231	2,861	3,102	3,299	3,491

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Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	691	629	549	552	607	738	765	719	663	573	550	682	765
Less: DSM Projections	19	19	0	0	0	11	11	11	11	0	0	20	11
Distribution Losses	16	15	13	13	15	17	18	17	16	14	13	16	18
Transmission Losses	<u>25</u>	<u>23</u>	<u>21</u>	<u>21</u>	<u>23</u>	<u>27</u>	<u>28</u>	<u>26</u>	<u>24</u>	<u>21</u>	<u>21</u>	<u>25</u>	<u>28</u>
TOTAL DISTRIBUTION	713	648	583	586	645	771	800	751	692	608	584	703	800
Industrial (including Military):													
Total Industrial	194	186	286	294	327	211	222	226	319	303	289	195	222
Transmission Losses	<u>7</u>	<u>7</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>8</u>
TOTAL INDUSTRIAL	201	193	296	305	339	219	230	234	331	314	300	202	230
Alumax:													
Peak	301	302	300	301	299	301	300	299	299	299	301	301	300
Transmission Losses	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>
TOTAL ALUMAX	312	313	311	312	310	312	311	310	310	310	312	312	311
Municipals:													
Peak	51	45	40	42	45	54	54	52	47	42	42	48	54
Transmission Losses	<u>2</u>	<u>2</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>
TOTAL MUNICIPALS	53	47	41	44	47	56	56	54	49	44	44	50	56
Central Electric:													
Peak	2,124	1,924	1,734	1,450	1,680	1,948	2,072	1,954	1,825	1,514	1,800	2,063	2,072
Less: DSM Projections	88	89	0	0	0	45	45	45	46	0	0	96	45
Transmission Losses	<u>74</u>	<u>67</u>	<u>63</u>	<u>53</u>	<u>61</u>	<u>69</u>	<u>74</u>	<u>70</u>	<u>65</u>	<u>55</u>	<u>66</u>	<u>72</u>	<u>74</u>
TOTAL CENTRAL ELECTRIC	<u>2,110</u>	<u>1,902</u>	<u>1,797</u>	<u>1,503</u>	<u>1,741</u>	<u>1,972</u>	<u>2,101</u>	<u>1,979</u>	<u>1,844</u>	<u>1,569</u>	<u>1,866</u>	<u>2,039</u>	<u>2,101</u>
Total System:	3,254	2,978	2,909	2,639	2,958	3,196	3,357	3,194	3,096	2,731	2,982	3,173	3,357
Total System Losses:	<u>135</u>	<u>125</u>	<u>119</u>	<u>111</u>	<u>124</u>	<u>134</u>	<u>141</u>	<u>134</u>	<u>130</u>	<u>114</u>	<u>124</u>	<u>133</u>	<u>141</u>
Territorial Sales	3,389	3,103	3,028	2,750	3,082	3,330	3,498	3,328	3,226	2,845	3,106	3,306	3,498
Woodland Hills													0
Other Central Substations													0
Territorial Load	3,389	3,103	3,028	2,750	3,082	3,330	3,498	3,328	3,226	2,845	3,106	3,306	3,498
Off-System Peak:													
NCEMPA	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>
Total Off-System Peak	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>
Total Load Requirements	3,489	3,203	3,128	2,850	3,182	3,430	3,598	3,428	3,326	2,945	3,206	3,406	3,598

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	721	655	571	573	630	766	795	748	688	594	573	712	795
Less: DSM Projections	22	22	0	0	0	12	12	12	12	0	0	23	12
Distribution Losses	17	15	14	14	15	18	19	18	16	14	14	17	19
Transmission Losses	<u>26</u>	<u>24</u>	<u>21</u>	<u>21</u>	<u>24</u>	<u>28</u>	<u>29</u>	<u>28</u>	<u>25</u>	<u>22</u>	<u>21</u>	<u>26</u>	<u>29</u>
TOTAL DISTRIBUTION	742	672	606	608	669	800	831	782	717	630	608	732	831
Industrial (including Military):													
Total Industrial	195	187	288	296	328	212	224	227	320	304	291	196	224
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>8</u>
TOTAL INDUSTRIAL	202	194	299	307	340	220	232	235	332	315	302	203	232
Alumax:													
Peak	301	302	300	301	299	301	300	299	299	299	301	301	300
Transmission Losses	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>
TOTAL ALUMAX	312	313	311	312	310	312	311	310	310	310	312	312	311
Municipals:													
Peak	53	47	42	44	46	56	56	54	49	43	44	50	56
Transmission Losses	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>
TOTAL MUNICIPALS	55	49	44	46	48	58	58	56	51	45	46	52	58
Central Electric:													
Peak	2,213	2,004	1,806	1,507	1,747	2,029	2,160	2,036	1,901	1,576	1,880	2,159	2,160
Less: DSM Projections	103	103	0	0	0	52	52	52	53	0	0	111	52
Transmission Losses	<u>77</u>	<u>69</u>	<u>66</u>	<u>55</u>	<u>64</u>	<u>72</u>	<u>77</u>	<u>72</u>	<u>67</u>	<u>58</u>	<u>69</u>	<u>75</u>	<u>77</u>
TOTAL CENTRAL ELECTRIC	<u>2,187</u>	<u>1,970</u>	<u>1,872</u>	<u>1,562</u>	<u>1,811</u>	<u>2,049</u>	<u>2,185</u>	<u>2,056</u>	<u>1,915</u>	<u>1,634</u>	<u>1,949</u>	<u>2,123</u>	<u>2,185</u>
Total System:	3,358	3,070	3,007	2,721	3,050	3,300	3,471	3,300	3,192	2,816	3,089	3,284	3,471
Total System Losses:	<u>140</u>	<u>128</u>	<u>125</u>	<u>114</u>	<u>128</u>	<u>139</u>	<u>146</u>	<u>139</u>	<u>133</u>	<u>118</u>	<u>128</u>	<u>138</u>	<u>146</u>
Territorial Sales	3,498	3,198	3,132	2,835	3,178	3,439	3,617	3,439	3,325	2,934	3,217	3,422	3,617
Woodland Hills													0
Other Central Substations													0
Territorial Load	3,498	3,198	3,132	2,835	3,178	3,439	3,617	3,439	3,325	2,934	3,217	3,422	3,617
Off-System Peak:													
NCEMPA	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>
Total Off-System Peak	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>
Total Load Requirements	3,548	3,248	3,182	2,885	3,228	3,489	3,667	3,489	3,375	2,984	3,267	3,472	3,667

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	752	682	594	593	653	795	825	775	713	615	595	740	825
Less: DSM Projections	25	25	0	0	0	13	14	14	14	0	0	26	14
Distribution Losses	17	16	14	14	16	19	19	18	17	15	14	17	19
Transmission Losses	<u>27</u>	<u>25</u>	<u>22</u>	<u>22</u>	<u>24</u>	<u>29</u>	<u>30</u>	<u>28</u>	<u>26</u>	<u>23</u>	<u>22</u>	<u>27</u>	<u>30</u>
TOTAL DISTRIBUTION	771	698	630	629	693	830	860	807	742	653	631	758	860
Industrial (including Military):													
Total Industrial	196	188	289	297	330	213	225	228	322	306	293	198	225
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>8</u>
TOTAL INDUSTRIAL	203	195	300	308	342	221	233	236	334	317	304	205	233
Alumax:													
Peak	301	302	300	301	299	301	300	299	299	299	301	301	300
Transmission Losses	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>	<u>11</u>
TOTAL ALUMAX	312	313	311	312	310	312	311	310	310	310	312	312	311
Municipals:													
Peak	56	49	44	45	48	57	57	55	50	45	46	53	57
Transmission Losses	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>
TOTAL MUNICIPALS	58	51	46	47	50	59	59	57	52	47	48	55	59
Central Electric:													
Peak	2,316	2,097	1,885	1,567	1,818	2,115	2,252	2,121	1,979	1,640	1,962	2,256	2,252
Less: DSM Projections	118	118	0	0	0	59	59	59	60	0	0	126	59
Transmission Losses	<u>80</u>	<u>72</u>	<u>69</u>	<u>57</u>	<u>66</u>	<u>75</u>	<u>80</u>	<u>75</u>	<u>70</u>	<u>60</u>	<u>72</u>	<u>78</u>	<u>80</u>
TOTAL CENTRAL ELECTRIC	<u>2,278</u>	<u>2,051</u>	<u>1,954</u>	<u>1,624</u>	<u>1,884</u>	<u>2,131</u>	<u>2,273</u>	<u>2,137</u>	<u>1,989</u>	<u>1,700</u>	<u>2,034</u>	<u>2,208</u>	<u>2,273</u>
Total System:	3,478	3,175	3,112	2,803	3,148	3,409	3,586	3,405	3,289	2,905	3,197	3,396	3,586
Total System Losses:	<u>144</u>	<u>133</u>	<u>129</u>	<u>117</u>	<u>131</u>	<u>144</u>	<u>150</u>	<u>142</u>	<u>138</u>	<u>122</u>	<u>132</u>	<u>142</u>	<u>150</u>
Territorial Sales	3,622	3,308	3,241	2,920	3,279	3,553	3,736	3,547	3,427	3,027	3,329	3,538	3,736
Woodland Hills													0
Other Central Substations													0
Territorial Load	3,622	3,308	3,241	2,920	3,279	3,553	3,736	3,547	3,427	3,027	3,329	3,538	3,736
Off-System Peak:													
NCEMPA													0
Total Off-System Peak	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Load Requirements	3,622	3,308	3,241	2,920	3,279	3,553	3,736	3,547	3,427	3,027	3,329	3,538	3,736

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	782	710	618	614	676	824	854	802	738	636	618	769	782
Less: DSM Projections	27	28	0	0	0	15	15	15	15	0	0	29	27
Distribution Losses	18	16	15	15	16	19	20	19	17	15	15	18	18
Transmission Losses	<u>28</u>	<u>25</u>	<u>23</u>	<u>23</u>	<u>25</u>	<u>30</u>	<u>31</u>	<u>29</u>	<u>27</u>	<u>24</u>	<u>23</u>	<u>28</u>	<u>28</u>
TOTAL DISTRIBUTION	801	723	656	652	717	858	890	835	767	675	656	786	801
Industrial (including Military):													
Total Industrial	197	189	291	299	332	214	226	229	324	307	294	198	197
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>7</u>
TOTAL INDUSTRIAL	204	196	302	310	344	222	234	237	336	318	305	205	204
Alumax:													
Peak	301	302	300	0	0	0	0	0	0	0	0	0	301
Transmission Losses	<u>11</u>	<u>11</u>	<u>11</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>11</u>
TOTAL ALUMAX	312	313	311	0	0	0	0	0	0	0	0	0	312
Municipals:													
Peak	58	52	46	46	49	59	59	57	52	46	48	55	58
Transmission Losses	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>
TOTAL MUNICIPALS	60	54	48	48	51	61	61	59	54	48	50	57	60
Central Electric:													
Peak	2,417	2,187	1,963	1,624	1,886	2,196	2,339	2,204	2,053	1,698	2,040	2,352	2,417
Less: DSM Projections	132	133	0	0	0	66	66	66	66	0	0	139	132
Transmission Losses	<u>83</u>	<u>75</u>	<u>72</u>	<u>59</u>	<u>69</u>	<u>78</u>	<u>83</u>	<u>78</u>	<u>73</u>	<u>62</u>	<u>74</u>	<u>81</u>	<u>83</u>
TOTAL CENTRAL ELECTRIC	<u>2,368</u>	<u>2,129</u>	<u>2,035</u>	<u>1,683</u>	<u>1,955</u>	<u>2,208</u>	<u>2,356</u>	<u>2,216</u>	<u>2,060</u>	<u>1,760</u>	<u>2,114</u>	<u>2,294</u>	<u>2,368</u>
Total System:	3,596	3,279	3,218	2,583	2,943	3,212	3,397	3,211	3,086	2,687	3,000	3,206	3,596
Total System Losses:	<u>149</u>	<u>136</u>	<u>134</u>	<u>110</u>	<u>124</u>	<u>137</u>	<u>144</u>	<u>136</u>	<u>131</u>	<u>114</u>	<u>125</u>	<u>136</u>	<u>149</u>
Territorial Sales	3,745	3,415	3,352	2,693	3,067	3,349	3,541	3,347	3,217	2,801	3,125	3,342	3,745
Woodland Hills													0
Other Central Substations													0
Territorial Load	3,745	3,415	3,352	2,693	3,067	3,349	3,541	3,347	3,217	2,801	3,125	3,342	3,745
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Requirements	3,745	3,415	3,352	2,693	3,067	3,349	3,541	3,347	3,217	2,801	3,125	3,342	3,745

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	813	737	641	634	700	852	884	831	764	658	641	798	884
Less: DSM Projections	30	31	0	0	0	16	17	17	17	0	0	32	17
Distribution Losses	19	17	15	15	17	20	21	20	18	16	15	18	21
Transmission Losses	<u>29</u>	<u>26</u>	<u>24</u>	<u>24</u>	<u>26</u>	<u>31</u>	<u>32</u>	<u>30</u>	<u>28</u>	<u>25</u>	<u>24</u>	<u>29</u>	<u>32</u>
TOTAL DISTRIBUTION	831	749	680	673	743	887	920	864	793	699	680	813	920
Industrial (including Military):													
Total Industrial	198	190	293	301	333	215	227	231	325	309	296	199	227
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>8</u>
TOTAL INDUSTRIAL	205	197	304	312	345	223	235	239	337	320	307	206	235
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	61	54	48	48	50	61	61	59	53	47	50	57	61
Transmission Losses	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>
TOTAL MUNICIPALS	63	56	50	50	52	63	63	61	55	49	52	59	63
Central Electric:													
Peak	2,522	2,281	2,043	1,681	1,955	2,280	2,429	2,289	2,130	1,759	2,121	2,451	2,429
Less: DSM Projections	146	146	0	0	0	72	72	72	73	0	0	151	72
Transmission Losses	<u>87</u>	<u>78</u>	<u>75</u>	<u>61</u>	<u>71</u>	<u>81</u>	<u>86</u>	<u>81</u>	<u>75</u>	<u>64</u>	<u>77</u>	<u>84</u>	<u>86</u>
TOTAL CENTRAL ELECTRIC	<u>2,463</u>	<u>2,213</u>	<u>2,118</u>	<u>1,742</u>	<u>2,026</u>	<u>2,289</u>	<u>2,443</u>	<u>2,298</u>	<u>2,132</u>	<u>1,823</u>	<u>2,198</u>	<u>2,384</u>	<u>2,443</u>
Total System:	3,418	3,085	3,025	2,664	3,038	3,320	3,512	3,321	3,182	2,773	3,108	3,322	3,512
Total System Losses:	<u>144</u>	<u>130</u>	<u>127</u>	<u>113</u>	<u>128</u>	<u>142</u>	<u>149</u>	<u>141</u>	<u>135</u>	<u>118</u>	<u>129</u>	<u>140</u>	<u>149</u>
Territorial Sales	3,562	3,215	3,152	2,777	3,166	3,462	3,661	3,462	3,317	2,891	3,237	3,462	3,661
Woodland Hills													0
Other Central Substations													0
Territorial Load	3,562	3,215	3,152	2,777	3,166	3,462	3,661	3,462	3,317	2,891	3,237	3,462	3,661
Off-System Peak:													
NCEMPA													0
Total Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Requirements	3,562	3,215	3,152	2,777	3,166	3,462	3,661	3,462	3,317	2,891	3,237	3,462	3,661

SANTEE COOPER DEMAND FORECAST – HIGH
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Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	844	765	665	656	723	881	915	858	790	679	665	829	915
Less: DSM Projections	33	33	0	0	0	18	18	18	18	0	0	34	18
Distribution Losses	19	18	16	16	17	21	22	20	19	16	16	19	22
Transmission Losses	<u>30</u>	<u>27</u>	<u>25</u>	<u>25</u>	<u>27</u>	<u>32</u>	<u>34</u>	<u>31</u>	<u>29</u>	<u>25</u>	<u>25</u>	<u>30</u>	<u>34</u>
TOTAL DISTRIBUTION	860	777	706	697	767	916	953	891	820	720	706	844	953
Industrial (including Military):													
Total Industrial	199	191	294	303	335	217	228	232	327	310	298	200	228
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>8</u>
TOTAL INDUSTRIAL	206	198	305	314	347	225	236	240	339	321	309	207	236
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	64	56	49	49	52	63	63	60	55	49	52	60	63
Transmission Losses	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>
TOTAL MUNICIPALS	66	58	51	51	54	65	65	62	57	51	54	62	65
Central Electric:													
Peak	2,637	2,383	2,132	1,750	2,033	2,373	2,530	2,383	2,216	1,830	2,213	2,560	2,530
Less: DSM Projections	158	158	0	0	0	78	78	78	78	0	0	162	78
Transmission Losses	<u>90</u>	<u>81</u>	<u>78</u>	<u>64</u>	<u>74</u>	<u>84</u>	<u>89</u>	<u>84</u>	<u>78</u>	<u>67</u>	<u>81</u>	<u>88</u>	<u>89</u>
TOTAL CENTRAL ELECTRIC	<u>2,569</u>	<u>2,306</u>	<u>2,210</u>	<u>1,814</u>	<u>2,107</u>	<u>2,379</u>	<u>2,541</u>	<u>2,389</u>	<u>2,216</u>	<u>1,897</u>	<u>2,294</u>	<u>2,486</u>	<u>2,541</u>
Total System:	3,553	3,204	3,140	2,758	3,143	3,438	3,640	3,437	3,292	2,868	3,228	3,453	3,640
Total System Losses:	<u>148</u>	<u>135</u>	<u>132</u>	<u>118</u>	<u>132</u>	<u>147</u>	<u>155</u>	<u>145</u>	<u>140</u>	<u>121</u>	<u>135</u>	<u>146</u>	<u>155</u>
Territorial Sales	3,701	3,339	3,272	2,876	3,275	3,585	3,795	3,582	3,432	2,989	3,363	3,599	3,795
Woodland Hills													0
Other Central Substations													0
Territorial Load	3,701	3,339	3,272	2,876	3,275	3,585	3,795	3,582	3,432	2,989	3,363	3,599	3,795
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Requirements	3,701	3,339	3,272	2,876	3,275	3,585	3,795	3,582	3,432	2,989	3,363	3,599	3,795

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Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	875	793	688	677	747	911	945	887	816	701	688	858	945
Less: DSM Projections	36	36	0	0	0	19	20	20	20	0	0	37	20
Distribution Losses	20	18	17	16	18	21	22	21	19	17	17	20	22
Transmission Losses	<u>31</u>	<u>28</u>	<u>26</u>	<u>25</u>	<u>28</u>	<u>33</u>	<u>35</u>	<u>32</u>	<u>30</u>	<u>26</u>	<u>26</u>	<u>31</u>	<u>35</u>
TOTAL DISTRIBUTION	890	803	731	718	793	946	982	920	845	744	731	872	982
Industrial (including Military):													
Total Industrial	200	191	296	304	337	218	229	233	329	312	299	201	229
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>9</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>8</u>
TOTAL INDUSTRIAL	207	198	307	315	349	226	237	242	341	323	310	208	237
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	66	58	51	50	53	64	64	62	56	50	54	62	64
Transmission Losses	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>
TOTAL MUNICIPALS	68	60	53	52	55	66	66	64	58	52	56	64	66
Central Electric:													
Peak	2,756	2,490	2,224	1,819	2,114	2,469	2,633	2,479	2,306	1,902	2,308	2,674	2,633
Less: DSM Projections	169	169	0	0	0	83	83	83	83	0	0	172	83
Transmission Losses	<u>94</u>	<u>85</u>	<u>81</u>	<u>66</u>	<u>77</u>	<u>87</u>	<u>93</u>	<u>87</u>	<u>81</u>	<u>69</u>	<u>84</u>	<u>91</u>	<u>93</u>
TOTAL CENTRAL ELECTRIC	<u>2,681</u>	<u>2,406</u>	<u>2,305</u>	<u>1,885</u>	<u>2,191</u>	<u>2,473</u>	<u>2,643</u>	<u>2,483</u>	<u>2,304</u>	<u>1,971</u>	<u>2,392</u>	<u>2,593</u>	<u>2,643</u>
Total System:	3,692	3,327	3,259	2,850	3,251	3,560	3,768	3,558	3,404	2,965	3,349	3,586	3,768
Total System Losses:	<u>154</u>	<u>140</u>	<u>137</u>	<u>120</u>	<u>137</u>	<u>151</u>	<u>160</u>	<u>151</u>	<u>144</u>	<u>125</u>	<u>140</u>	<u>151</u>	<u>160</u>
Territorial Sales	3,846	3,467	3,396	2,970	3,388	3,711	3,928	3,709	3,548	3,090	3,489	3,737	3,928
Woodland Hills													0
Other Central Substations													0
Territorial Load	3,846	3,467	3,396	2,970	3,388	3,711	3,928	3,709	3,548	3,090	3,489	3,737	3,928
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Requirements	3,846	3,467	3,396	2,970	3,388	3,711	3,928	3,709	3,548	3,090	3,489	3,737	3,928

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	908	822	712	699	771	941	975	915	841	723	712	889	975
Less: DSM Projections	39	39	0	0	0	21	21	21	21	0	0	40	21
Distribution Losses	21	19	17	17	19	22	23	21	20	17	17	20	23
Transmission Losses	<u>32</u>	<u>29</u>	<u>27</u>	<u>26</u>	<u>29</u>	<u>34</u>	<u>36</u>	<u>33</u>	<u>31</u>	<u>27</u>	<u>27</u>	<u>32</u>	<u>36</u>
TOTAL DISTRIBUTION	922	831	756	742	819	976	1,013	948	871	767	756	901	1,013
Industrial (including Military):													
Total Industrial	201	192	297	306	339	219	231	234	330	314	301	202	231
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>9</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>8</u>
TOTAL INDUSTRIAL	208	199	308	317	351	227	239	243	342	325	312	209	239
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	69	61	53	52	55	66	66	64	58	51	56	65	66
Transmission Losses	<u>3</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>
TOTAL MUNICIPALS	72	63	55	54	57	68	68	66	60	53	58	67	68
Central Electric:													
Peak	2,900	2,617	2,342	1,913	2,220	2,594	2,764	2,603	2,422	2,001	2,430	2,815	2,764
Less: DSM Projections	178	179	0	0	0	88	88	88	88	0	0	181	88
Transmission Losses	<u>99</u>	<u>89</u>	<u>85</u>	<u>70</u>	<u>81</u>	<u>91</u>	<u>98</u>	<u>92</u>	<u>85</u>	<u>73</u>	<u>89</u>	<u>96</u>	<u>98</u>
TOTAL CENTRAL ELECTRIC	<u>2,821</u>	<u>2,527</u>	<u>2,427</u>	<u>1,983</u>	<u>2,301</u>	<u>2,597</u>	<u>2,774</u>	<u>2,607</u>	<u>2,419</u>	<u>2,074</u>	<u>2,519</u>	<u>2,730</u>	<u>2,774</u>
Total System:	3,861	3,474	3,404	2,970	3,385	3,711	3,927	3,707	3,542	3,089	3,499	3,750	3,927
Total System Losses:	<u>162</u>	<u>146</u>	<u>142</u>	<u>126</u>	<u>143</u>	<u>157</u>	<u>167</u>	<u>157</u>	<u>150</u>	<u>130</u>	<u>146</u>	<u>157</u>	<u>167</u>
Territorial Sales	4,023	3,620	3,546	3,096	3,528	3,868	4,094	3,864	3,692	3,219	3,645	3,907	4,094
Woodland Hills													0
Other Central Substations													0
Territorial Load	4,023	3,620	3,546	3,096	3,528	3,868	4,094	3,864	3,692	3,219	3,645	3,907	4,094
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Load Requirements	4,023	3,620	3,546	3,096	3,528	3,868	4,094	3,864	3,692	3,219	3,645	3,907	4,094

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	940	851	737	720	795	970	1,006	945	869	745	737	919	1,006
Less: DSM Projections	42	42	0	0	0	22	23	23	23	0	0	43	23
Distribution Losses	22	19	18	17	19	23	24	22	20	18	18	21	24
Transmission Losses	<u>34</u>	<u>30</u>	<u>28</u>	<u>27</u>	<u>30</u>	<u>35</u>	<u>37</u>	<u>34</u>	<u>32</u>	<u>28</u>	<u>28</u>	<u>33</u>	<u>37</u>
TOTAL DISTRIBUTION	954	858	783	764	844	1,006	1,044	978	898	791	783	930	1,044
Industrial (including Military):													
Total Industrial	202	193	299	307	341	220	232	236	332	315	302	203	232
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>9</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>8</u>
TOTAL INDUSTRIAL	209	200	310	318	353	228	240	245	344	326	313	210	240
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	72	63	55	53	56	68	68	65	59	53	58	67	68
Transmission Losses	<u>3</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>
TOTAL MUNICIPALS	75	65	57	55	58	70	70	67	61	55	60	69	70
Central Electric:													
Peak	3,029	2,733	2,441	1,988	2,308	2,698	2,875	2,707	2,517	2,079	2,534	2,937	2,875
Less: DSM Projections	187	187	0	0	0	92	92	93	93	0	0	189	92
Transmission Losses	<u>104</u>	<u>93</u>	<u>89</u>	<u>73</u>	<u>84</u>	<u>95</u>	<u>102</u>	<u>95</u>	<u>88</u>	<u>76</u>	<u>92</u>	<u>100</u>	<u>102</u>
TOTAL CENTRAL ELECTRIC	<u>2,946</u>	<u>2,639</u>	<u>2,530</u>	<u>2,061</u>	<u>2,392</u>	<u>2,701</u>	<u>2,885</u>	<u>2,709</u>	<u>2,512</u>	<u>2,155</u>	<u>2,626</u>	<u>2,848</u>	<u>2,885</u>
Total System:	4,014	3,611	3,532	3,068	3,500	3,842	4,066	3,837	3,661	3,192	3,631	3,894	4,066
Total System Losses:	<u>170</u>	<u>151</u>	<u>148</u>	<u>130</u>	<u>147</u>	<u>163</u>	<u>173</u>	<u>162</u>	<u>154</u>	<u>135</u>	<u>151</u>	<u>163</u>	<u>173</u>
Territorial Sales	4,184	3,762	3,680	3,198	3,647	4,005	4,239	3,999	3,815	3,327	3,782	4,057	4,239
Woodland Hills													0
Other Central Substations													0
Territorial Load	4,184	3,762	3,680	3,198	3,647	4,005	4,239	3,999	3,815	3,327	3,782	4,057	4,239
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Load Requirements	4,184	3,762	3,680	3,198	3,647	4,005	4,239	3,999	3,815	3,327	3,782	4,057	4,239

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	973	880	762	742	820	1,000	1,038	974	895	767	761	951	1,038
Less: DSM Projections	45	45	0	0	0	24	24	24	24	0	0	46	24
Distribution Losses	22	20	18	18	20	23	24	23	21	18	18	22	24
Transmission Losses	<u>35</u>	<u>31</u>	<u>28</u>	<u>28</u>	<u>31</u>	<u>36</u>	<u>38</u>	<u>36</u>	<u>33</u>	<u>29</u>	<u>28</u>	<u>34</u>	<u>38</u>
TOTAL DISTRIBUTION	985	886	808	788	871	1,035	1,076	1,009	925	814	807	961	1,076
Industrial (including Military):													
Total Industrial	203	194	300	309	342	221	233	237	334	317	304	205	233
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>12</u>	<u>12</u>	<u>11</u>	<u>7</u>	<u>9</u>
TOTAL INDUSTRIAL	210	201	311	320	354	229	242	246	346	329	315	212	242
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	75	66	57	54	58	70	70	67	61	54	60	70	70
Transmission Losses	<u>3</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>3</u>	<u>3</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>3</u>	<u>3</u>
TOTAL MUNICIPALS	78	68	59	56	60	73	73	69	63	56	62	73	73
Central Electric:													
Peak	3,162	2,852	2,545	2,067	2,397	2,805	2,991	2,815	2,617	2,160	2,641	3,066	2,991
Less: DSM Projections	195	196	0	0	0	97	97	97	97	0	0	197	97
Transmission Losses	<u>108</u>	<u>97</u>	<u>93</u>	<u>75</u>	<u>87</u>	<u>99</u>	<u>106</u>	<u>99</u>	<u>92</u>	<u>79</u>	<u>96</u>	<u>105</u>	<u>106</u>
TOTAL CENTRAL ELECTRIC	<u>3,075</u>	<u>2,753</u>	<u>2,638</u>	<u>2,142</u>	<u>2,484</u>	<u>2,807</u>	<u>3,000</u>	<u>2,817</u>	<u>2,612</u>	<u>2,239</u>	<u>2,737</u>	<u>2,974</u>	<u>3,000</u>
Total System:	4,173	3,751	3,664	3,172	3,617	3,975	4,211	3,972	3,786	3,298	3,766	4,049	4,211
Total System Losses:	<u>175</u>	<u>157</u>	<u>152</u>	<u>134</u>	<u>152</u>	<u>169</u>	<u>180</u>	<u>169</u>	<u>160</u>	<u>140</u>	<u>155</u>	<u>171</u>	<u>180</u>
Territorial Sales	4,348	3,908	3,816	3,306	3,769	4,144	4,391	4,141	3,946	3,438	3,921	4,220	4,391
Woodland Hills													0
Other Central Substations													0
Territorial Load	4,348	3,908	3,816	3,306	3,769	4,144	4,391	4,141	3,946	3,438	3,921	4,220	4,391
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Requirements	4,348	3,908	3,816	3,306	3,769	4,144	4,391	4,141	3,946	3,438	3,921	4,220	4,391

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Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	1,006	911	788	764	844	1,032	1,070	1,003	922	790	786	983	1,070
Less: DSM Projections	48	48	0	0	0	25	25	26	26	0	0	49	25
Distribution Losses	23	21	19	18	20	24	25	23	22	19	19	22	25
Transmission Losses	<u>36</u>	<u>32</u>	<u>29</u>	<u>29</u>	<u>32</u>	<u>38</u>	<u>39</u>	<u>37</u>	<u>34</u>	<u>30</u>	<u>29</u>	<u>35</u>	<u>39</u>
TOTAL DISTRIBUTION	1,017	916	836	811	896	1,069	1,109	1,037	952	839	834	991	1,109
Industrial (including Military):													
Total Industrial	204	195	302	311	344	223	234	238	336	319	306	206	234
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>13</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>12</u>	<u>12</u>	<u>11</u>	<u>8</u>	<u>9</u>
TOTAL INDUSTRIAL	211	202	313	322	357	231	243	247	348	331	317	214	243
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	78	68	59	56	59	71	72	69	63	55	62	72	72
Transmission Losses	<u>3</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>3</u>	<u>3</u>
TOTAL MUNICIPALS	81	70	61	58	61	74	75	72	65	57	64	75	75
Central Electric:													
Peak	3,302	2,978	2,653	2,147	2,491	2,917	3,110	2,925	2,720	2,245	2,752	3,198	3,110
Less: DSM Projections	203	204	0	0	0	101	101	101	101	0	0	205	101
Transmission Losses	<u>113</u>	<u>101</u>	<u>97</u>	<u>78</u>	<u>91</u>	<u>103</u>	<u>110</u>	<u>103</u>	<u>96</u>	<u>82</u>	<u>100</u>	<u>109</u>	<u>110</u>
TOTAL CENTRAL ELECTRIC	<u>3,212</u>	<u>2,875</u>	<u>2,750</u>	<u>2,225</u>	<u>2,582</u>	<u>2,919</u>	<u>3,119</u>	<u>2,927</u>	<u>2,715</u>	<u>2,327</u>	<u>2,852</u>	<u>3,102</u>	<u>3,119</u>
Total System:	4,339	3,900	3,802	3,278	3,738	4,117	4,360	4,108	3,914	3,409	3,906	4,205	4,360
Total System Losses:	<u>182</u>	<u>163</u>	<u>158</u>	<u>138</u>	<u>158</u>	<u>176</u>	<u>186</u>	<u>175</u>	<u>166</u>	<u>145</u>	<u>161</u>	<u>177</u>	<u>186</u>
Territorial Sales	4,521	4,063	3,960	3,416	3,896	4,293	4,546	4,283	4,080	3,554	4,067	4,382	4,546
Woodland Hills													0
Other Central Substations													0
Territorial Load	4,521	4,063	3,960	3,416	3,896	4,293	4,546	4,283	4,080	3,554	4,067	4,382	4,546
Off-System Peak:													
NCEMPA													0
Total Off-System Peak	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Load Requirements	4,521	4,063	3,960	3,416	3,896	4,293	4,546	4,283	4,080	3,554	4,067	4,382	4,546

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Final

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	422	441	358	286	420	521	564	562	477	284	367	417	564
Less: DSM Projections	42	42	0	0	0	22	23	23	23	0	0	43	23
Distribution Losses	9	10	9	7	10	12	13	13	11	7	9	9	13
Transmission Losses	<u>14</u>	<u>15</u>	<u>13</u>	<u>11</u>	<u>16</u>	<u>19</u>	<u>20</u>	<u>20</u>	<u>17</u>	<u>11</u>	<u>14</u>	<u>14</u>	<u>20</u>
TOTAL DISTRIBUTION	403	424	380	304	446	530	574	572	482	302	390	397	574
Industrial (including Military):													
Total Industrial	202	193	299	307	341	220	232	236	332	315	302	203	232
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>8</u>	<u>9</u>	<u>12</u>	<u>11</u>	<u>11</u>	<u>7</u>	<u>8</u>
TOTAL INDUSTRIAL	209	200	310	318	353	228	240	245	344	326	313	210	240
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	33	36	32	26	31	35	38	38	35	25	29	35	38
Transmission Losses	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
TOTAL MUNICIPALS	34	37	33	27	32	36	39	39	36	26	30	36	39
Central Electric:													
Peak	1,528	1,590	1,382	1,180	1,224	1,510	1,612	1,596	1,343	1,209	1,398	1,592	1,612
Less: DSM Projections	187	187	0	0	0	92	92	93	93	0	0	189	92
Transmission Losses	<u>49</u>	<u>51</u>	<u>50</u>	<u>43</u>	<u>45</u>	<u>52</u>	<u>55</u>	<u>55</u>	<u>46</u>	<u>44</u>	<u>51</u>	<u>51</u>	<u>55</u>
TOTAL CENTRAL ELECTRIC	<u>1,390</u>	<u>1,454</u>	<u>1,432</u>	<u>1,223</u>	<u>1,269</u>	<u>1,470</u>	<u>1,575</u>	<u>1,558</u>	<u>1,296</u>	<u>1,253</u>	<u>1,449</u>	<u>1,454</u>	<u>1,575</u>
Total System:	1,956	2,031	2,071	1,799	2,016	2,172	2,331	2,316	2,071	1,833	2,096	2,015	2,331
Total System Losses:	<u>80</u>	<u>84</u>	<u>84</u>	<u>73</u>	<u>84</u>	<u>92</u>	<u>97</u>	<u>98</u>	<u>87</u>	<u>74</u>	<u>86</u>	<u>82</u>	<u>97</u>
Territorial Sales	2,036	2,115	2,155	1,872	2,100	2,264	2,428	2,414	2,158	1,907	2,182	2,097	2,428
Woodland Hills													0
Other Central Substations													0
Territorial Load	2,036	2,115	2,155	1,872	2,100	2,264	2,428	2,414	2,158	1,907	2,182	2,097	2,428
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Load Requirements	2,036	2,115	2,155	1,872	2,100	2,264	2,428	2,414	2,158	1,907	2,182	2,097	2,428

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	428	448	364	290	426	528	573	570	484	288	373	423	573
Less: DSM Projections	45	45	0	0	0	24	24	24	24	0	0	46	24
Distribution Losses	9	10	9	7	10	12	13	13	11	7	9	9	13
Transmission Losses	<u>14</u>	<u>15</u>	<u>14</u>	<u>11</u>	<u>16</u>	<u>19</u>	<u>21</u>	<u>20</u>	<u>17</u>	<u>11</u>	<u>14</u>	<u>14</u>	<u>21</u>
TOTAL DISTRIBUTION	406	428	387	308	452	535	583	579	488	306	396	400	583
Industrial (including Military):													
Total Industrial	203	194	300	309	342	221	233	237	334	317	304	205	233
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>12</u>	<u>12</u>	<u>11</u>	<u>7</u>	<u>9</u>
TOTAL INDUSTRIAL	210	201	311	320	354	229	242	246	346	329	315	212	242
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	34	37	32	26	31	35	38	38	35	25	30	35	38
Transmission Losses	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
TOTAL MUNICIPALS	35	38	33	27	32	36	39	39	36	26	31	36	39
Central Electric:													
Peak	1,565	1,630	1,414	1,205	1,249	1,544	1,648	1,633	1,371	1,234	1,430	1,630	1,648
Less: DSM Projections	195	196	0	0	0	97	97	97	97	0	0	197	97
Transmission Losses	<u>50</u>	<u>52</u>	<u>52</u>	<u>44</u>	<u>46</u>	<u>53</u>	<u>57</u>	<u>56</u>	<u>47</u>	<u>45</u>	<u>52</u>	<u>52</u>	<u>57</u>
TOTAL CENTRAL ELECTRIC	<u>1,420</u>	<u>1,486</u>	<u>1,466</u>	<u>1,249</u>	<u>1,295</u>	<u>1,500</u>	<u>1,608</u>	<u>1,592</u>	<u>1,321</u>	<u>1,279</u>	<u>1,482</u>	<u>1,485</u>	<u>1,608</u>
Total System:	1,990	2,068	2,110	1,830	2,048	2,207	2,371	2,357	2,103	1,864	2,137	2,050	2,371
Total System Losses:	<u>81</u>	<u>85</u>	<u>87</u>	<u>74</u>	<u>85</u>	<u>93</u>	<u>101</u>	<u>99</u>	<u>88</u>	<u>76</u>	<u>87</u>	<u>83</u>	<u>101</u>
Territorial Sales	2,071	2,153	2,197	1,904	2,133	2,300	2,472	2,456	2,191	1,940	2,224	2,133	2,472
Woodland Hills													0
Other Central Substations													0
Territorial Load	2,071	2,153	2,197	1,904	2,133	2,300	2,472	2,456	2,191	1,940	2,224	2,133	2,472
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Load Requirements	2,071	2,153	2,197	1,904	2,133	2,300	2,472	2,456	2,191	1,940	2,224	2,133	2,472

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	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>ANNUAL</u>
Distribution:													
Peak	435	455	369	294	431	536	581	578	490	292	378	429	581
Less: DSM Projections	48	48	0	0	0	25	25	26	26	0	0	49	25
Distribution Losses	9	10	9	7	10	12	13	13	11	7	9	9	13
Transmission Losses	<u>14</u>	<u>15</u>	<u>14</u>	<u>11</u>	<u>16</u>	<u>19</u>	<u>21</u>	<u>21</u>	<u>17</u>	<u>11</u>	<u>14</u>	<u>14</u>	<u>21</u>
TOTAL DISTRIBUTION	410	432	392	312	457	542	590	586	492	310	401	403	590
Industrial (including Military):													
Total Industrial	204	195	302	311	344	223	234	238	336	319	306	206	234
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>13</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>12</u>	<u>12</u>	<u>11</u>	<u>8</u>	<u>9</u>
TOTAL INDUSTRIAL	211	202	313	322	357	231	243	247	348	331	317	214	243
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	34	37	33	27	32	36	39	39	35	26	30	36	39
Transmission Losses	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
TOTAL MUNICIPALS	35	38	34	28	33	37	40	40	36	27	31	37	40
Central Electric:													
Peak	1,604	1,671	1,447	1,230	1,275	1,578	1,685	1,669	1,401	1,259	1,463	1,670	1,685
Less: DSM Projections	203	204	0	0	0	101	101	101	101	0	0	205	101
Transmission Losses	<u>51</u>	<u>54</u>	<u>53</u>	<u>45</u>	<u>47</u>	<u>54</u>	<u>58</u>	<u>57</u>	<u>47</u>	<u>46</u>	<u>53</u>	<u>53</u>	<u>58</u>
TOTAL CENTRAL ELECTRIC	<u>1,452</u>	<u>1,521</u>	<u>1,500</u>	<u>1,275</u>	<u>1,322</u>	<u>1,531</u>	<u>1,642</u>	<u>1,625</u>	<u>1,347</u>	<u>1,305</u>	<u>1,516</u>	<u>1,518</u>	<u>1,642</u>
Total System:	2,026	2,106	2,151	1,862	2,082	2,247	2,413	2,397	2,135	1,896	2,177	2,087	2,413
Total System Losses:	<u>82</u>	<u>87</u>	<u>88</u>	<u>75</u>	<u>87</u>	<u>94</u>	<u>102</u>	<u>101</u>	<u>88</u>	<u>77</u>	<u>88</u>	<u>85</u>	<u>102</u>
Territorial Sales	2,108	2,193	2,239	1,937	2,169	2,341	2,515	2,498	2,223	1,973	2,265	2,172	2,515
Woodland Hills													0
Other Central Substations													<u>0</u>
Territorial Load	2,108	2,193	2,239	1,937	2,169	2,341	2,515	2,498	2,223	1,973	2,265	2,172	2,515
Off–System Peak:													
NCEMPA													<u>0</u>
Total Off–System Peak	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Load Requirements	2,108	2,193	2,239	1,937	2,169	2,341	2,515	2,498	2,223	1,973	2,265	2,172	2,515

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Distribution:													
Peak	441	462	375	298	437	543	589	586	496	296	384	435	589
Less: DSM Projections	51	51	0	0	0	27	27	27	27	0	0	52	27
Distribution Losses	9	10	9	7	10	12	13	13	11	7	9	9	13
Transmission Losses	<u>15</u>	<u>15</u>	<u>14</u>	<u>11</u>	<u>16</u>	<u>19</u>	<u>21</u>	<u>21</u>	<u>18</u>	<u>11</u>	<u>14</u>	<u>14</u>	<u>21</u>
TOTAL DISTRIBUTION	414	436	398	316	463	547	596	593	498	314	407	406	596
Industrial (including Military):													
Total Industrial	205	196	303	312	346	224	236	240	337	320	307	207	236
Transmission Losses	<u>7</u>	<u>7</u>	<u>11</u>	<u>11</u>	<u>13</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>12</u>	<u>12</u>	<u>11</u>	<u>8</u>	<u>9</u>
TOTAL INDUSTRIAL	212	203	314	323	359	232	245	249	349	332	318	215	245
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	35	38	33	27	32	36	39	39	36	26	31	37	39
Transmission Losses	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
TOTAL MUNICIPALS	36	39	34	28	33	37	40	40	37	27	32	38	40
Central Electric:													
Peak	1,643	1,713	1,480	1,256	1,300	1,615	1,724	1,708	1,430	1,287	1,497	1,712	1,724
Less: DSM Projections	211	211	0	0	0	105	105	105	106	0	0	213	105
Transmission Losses	<u>52</u>	<u>55</u>	<u>54</u>	<u>46</u>	<u>47</u>	<u>55</u>	<u>59</u>	<u>59</u>	<u>48</u>	<u>47</u>	<u>55</u>	<u>55</u>	<u>59</u>
TOTAL CENTRAL ELECTRIC	<u>1,484</u>	<u>1,557</u>	<u>1,534</u>	<u>1,302</u>	<u>1,347</u>	<u>1,565</u>	<u>1,678</u>	<u>1,662</u>	<u>1,372</u>	<u>1,334</u>	<u>1,552</u>	<u>1,554</u>	<u>1,678</u>
Total System:	2,062	2,147	2,191	1,893	2,115	2,286	2,456	2,441	2,166	1,929	2,219	2,126	2,456
Total System Losses:	<u>84</u>	<u>88</u>	<u>89</u>	<u>76</u>	<u>87</u>	<u>95</u>	<u>103</u>	<u>103</u>	<u>90</u>	<u>78</u>	<u>90</u>	<u>87</u>	<u>103</u>
Territorial Sales	2,146	2,235	2,280	1,969	2,202	2,381	2,559	2,544	2,256	2,007	2,309	2,213	2,559
Woodland Hills													0
Other Central Substations													0
Territorial Load	2,146	2,235	2,280	1,969	2,202	2,381	2,559	2,544	2,256	2,007	2,309	2,213	2,559
Off-System Peak:													
NCEMPA													0
Total Off-System Peak	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Load Requirements	2,146	2,235	2,280	1,969	2,202	2,381	2,559	2,544	2,256	2,007	2,309	2,213	2,559

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Distribution:													
Peak	448	468	380	302	442	549	596	593	503	300	388	441	596
Less: DSM Projections	54	54	0	0	0	28	28	28	28	0	0	55	28
Distribution Losses	9	10	9	7	11	13	14	14	11	7	9	9	14
Transmission Losses	15	15	14	11	17	19	21	21	18	11	14	14	21
TOTAL DISTRIBUTION	418	439	403	320	470	553	603	600	504	318	411	409	603
Industrial (including Military):													
Total Industrial	207	197	305	314	348	225	237	241	339	322	309	208	237
Transmission Losses	8	7	11	11	13	8	9	9	12	12	11	8	9
TOTAL INDUSTRIAL	215	204	316	325	361	233	246	250	351	334	320	216	246
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	35	38	34	28	32	36	40	40	36	27	31	37	40
Transmission Losses	1	1	1	1	1	1	1	1	1	1	1	1	1
TOTAL MUNICIPALS	36	39	35	29	33	37	41	41	37	28	32	38	41
Central Electric:													
Peak	1,684	1,757	1,516	1,282	1,326	1,651	1,762	1,746	1,460	1,313	1,533	1,753	1,762
Less: DSM Projections	219	219	0	0	0	110	110	110	110	0	0	221	110
Transmission Losses	53	56	55	47	48	56	60	60	49	48	56	56	60
TOTAL CENTRAL ELECTRIC	1,518	1,594	1,571	1,329	1,374	1,597	1,712	1,696	1,399	1,361	1,589	1,588	1,712
Total System:	2,101	2,187	2,235	1,926	2,148	2,323	2,497	2,482	2,200	1,962	2,261	2,163	2,497
Total System Losses:	86	89	90	77	90	97	105	105	91	79	91	88	105
Territorial Sales	2,187	2,276	2,325	2,003	2,238	2,420	2,602	2,587	2,291	2,041	2,352	2,251	2,602
Woodland Hills													0
Other Central Substations													0
Territorial Load	2,187	2,276	2,325	2,003	2,238	2,420	2,602	2,587	2,291	2,041	2,352	2,251	2,602
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Requirements	2,187	2,276	2,325	2,003	2,238	2,420	2,602	2,587	2,291	2,041	2,352	2,251	2,602

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Distribution:													
Peak	454	475	385	305	447	556	603	600	508	304	393	447	603
Less: DSM Projections	57	57	0	0	0	30	30	30	30	0	0	58	30
Distribution Losses	10	10	9	7	11	13	14	14	11	7	9	9	14
Transmission Losses	<u>15</u>	<u>16</u>	<u>14</u>	<u>11</u>	<u>17</u>	<u>20</u>	<u>21</u>	<u>21</u>	<u>18</u>	<u>11</u>	<u>15</u>	<u>15</u>	<u>21</u>
TOTAL DISTRIBUTION	422	444	408	323	475	559	608	605	507	322	417	413	608
Industrial (Including Military):													
Total Industrial	208	198	306	316	350	226	238	242	341	324	311	209	238
Transmission Losses	<u>8</u>	<u>7</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>12</u>	<u>12</u>	<u>11</u>	<u>8</u>	<u>9</u>
TOTAL INDUSTRIAL	216	205	317	328	363	234	247	251	353	336	322	217	247
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	36	39	34	28	33	37	40	40	36	27	32	38	40
Transmission Losses	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
TOTAL MUNICIPALS	37	40	35	29	34	38	41	41	37	28	33	39	41
Central Electric:													
Peak	1,725	1,801	1,552	1,309	1,354	1,687	1,802	1,785	1,490	1,341	1,568	1,796	1,802
Less: DSM Projections	227	227	0	0	0	114	114	114	114	0	0	229	114
Transmission Losses	<u>55</u>	<u>57</u>	<u>57</u>	<u>48</u>	<u>49</u>	<u>57</u>	<u>62</u>	<u>61</u>	<u>50</u>	<u>49</u>	<u>57</u>	<u>57</u>	<u>62</u>
TOTAL CENTRAL ELECTRIC	<u>1,553</u>	<u>1,631</u>	<u>1,609</u>	<u>1,357</u>	<u>1,403</u>	<u>1,630</u>	<u>1,750</u>	<u>1,732</u>	<u>1,426</u>	<u>1,390</u>	<u>1,625</u>	<u>1,624</u>	<u>1,750</u>
Total System:	2,139	2,229	2,277	1,958	2,184	2,362	2,539	2,523	2,231	1,996	2,304	2,203	2,539
Total System Losses:	<u>89</u>	<u>91</u>	<u>92</u>	<u>79</u>	<u>91</u>	<u>99</u>	<u>107</u>	<u>106</u>	<u>92</u>	<u>80</u>	<u>93</u>	<u>90</u>	<u>107</u>
Territorial Sales	2,228	2,320	2,369	2,037	2,275	2,461	2,646	2,629	2,323	2,076	2,397	2,293	2,646
Woodland Hills													0
Other Central Substations													<u>0</u>
Territorial Load	2,228	2,320	2,369	2,037	2,275	2,461	2,646	2,629	2,323	2,076	2,397	2,293	2,646
Off-System Peak:													
NCEMPA													<u>0</u>
Total Off-System Peak	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Load Requirements	2,228	2,320	2,369	2,037	2,275	2,461	2,646	2,629	2,323	2,076	2,397	2,293	2,646

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Distribution:													
Peak	460	482	389	309	453	563	611	608	514	307	398	453	611
Less: DSM Projections	59	59	0	0	0	31	31	31	31	0	0	60	31
Distribution Losses	10	10	9	7	11	13	14	14	12	7	10	9	14
Transmission Losses	<u>15</u>	<u>16</u>	<u>15</u>	<u>12</u>	<u>17</u>	<u>20</u>	<u>22</u>	<u>22</u>	<u>18</u>	<u>11</u>	<u>15</u>	<u>15</u>	<u>22</u>
TOTAL DISTRIBUTION	426	449	413	328	481	565	616	613	513	325	423	417	616
Industrial (including Military):													
Total Industrial	209	199	308	317	351	227	240	244	342	325	312	210	240
Transmission Losses	<u>8</u>	<u>7</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>12</u>	<u>12</u>	<u>11</u>	<u>8</u>	<u>9</u>
TOTAL INDUSTRIAL	217	206	319	329	364	235	249	253	354	337	323	218	249
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	36	40	35	28	33	37	40	40	36	27	32	38	40
Transmission Losses	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
TOTAL MUNICIPALS	37	41	36	29	34	38	41	41	37	28	33	39	41
Central Electric:													
Peak	1,768	1,846	1,588	1,336	1,381	1,725	1,843	1,826	1,523	1,369	1,605	1,841	1,843
Less: DSM Projections	235	235	0	0	0	118	118	118	118	0	0	237	118
Transmission Losses	<u>56</u>	<u>59</u>	<u>58</u>	<u>49</u>	<u>50</u>	<u>59</u>	<u>63</u>	<u>62</u>	<u>51</u>	<u>50</u>	<u>59</u>	<u>59</u>	<u>63</u>
TOTAL CENTRAL ELECTRIC	<u>1,589</u>	<u>1,670</u>	<u>1,646</u>	<u>1,385</u>	<u>1,431</u>	<u>1,666</u>	<u>1,788</u>	<u>1,770</u>	<u>1,456</u>	<u>1,419</u>	<u>1,664</u>	<u>1,663</u>	<u>1,788</u>
Total System:	2,179	2,273	2,320	1,990	2,218	2,403	2,585	2,569	2,266	2,028	2,347	2,245	2,585
Total System Losses:	<u>90</u>	<u>93</u>	<u>94</u>	<u>81</u>	<u>92</u>	<u>101</u>	<u>109</u>	<u>108</u>	<u>94</u>	<u>81</u>	<u>96</u>	<u>92</u>	<u>109</u>
Territorial Sales	2,269	2,366	2,414	2,071	2,310	2,504	2,694	2,677	2,360	2,109	2,443	2,337	2,694
Woodland Hills													0
Other Central Substations													0
Territorial Load	2,269	2,366	2,414	2,071	2,310	2,504	2,694	2,677	2,360	2,109	2,443	2,337	2,694
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Load Requirements	2,269	2,366	2,414	2,071	2,310	2,504	2,694	2,677	2,360	2,109	2,443	2,337	2,694

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Distribution:													
Peak	467	489	394	313	458	570	619	616	520	311	403	460	619
Less: DSM Projections	62	62	0	0	0	33	33	33	33	0	0	63	33
Distribution Losses	10	10	9	8	11	13	14	14	12	7	10	10	14
Transmission Losses	<u>15</u>	<u>16</u>	<u>15</u>	<u>12</u>	<u>17</u>	<u>20</u>	<u>22</u>	<u>22</u>	<u>18</u>	<u>12</u>	<u>15</u>	<u>15</u>	<u>22</u>
TOTAL DISTRIBUTION	430	453	418	333	486	570	622	619	517	330	428	422	622
Industrial (including Military):													
Total Industrial	210	200	309	319	353	228	241	245	344	327	314	211	241
Transmission Losses	<u>8</u>	<u>7</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>8</u>	<u>9</u>	<u>9</u>	<u>13</u>	<u>12</u>	<u>11</u>	<u>8</u>	<u>9</u>
TOTAL INDUSTRIAL	218	207	320	331	366	236	250	254	357	339	325	219	250
Alumax:													
Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission Losses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL ALUMAX	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipals:													
Peak	37	40	35	29	33	37	41	41	37	28	33	39	41
Transmission Losses	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
TOTAL MUNICIPALS	38	41	36	30	34	38	42	42	38	29	34	40	42
Central Electric:													
Peak	1,811	1,893	1,626	1,364	1,411	1,764	1,885	1,867	1,555	1,398	1,643	1,886	1,885
Less: DSM Projections	243	243	0	0	0	123	123	123	123	0	0	245	123
Transmission Losses	<u>57</u>	<u>60</u>	<u>59</u>	<u>50</u>	<u>52</u>	<u>60</u>	<u>64</u>	<u>64</u>	<u>52</u>	<u>51</u>	<u>60</u>	<u>60</u>	<u>64</u>
TOTAL CENTRAL ELECTRIC	1,625	1,710	1,685	1,414	1,463	1,701	1,826	1,808	1,484	1,449	1,703	1,701	1,826
Total System:	2,220	2,317	2,364	2,025	2,255	2,443	2,630	2,613	2,300	2,064	2,393	2,288	2,630
Total System Losses:	91	94	95	83	94	102	110	110	96	83	97	94	110
Territorial Sales	2,311	2,411	2,459	2,108	2,349	2,545	2,740	2,723	2,396	2,147	2,490	2,382	2,740
Woodland Hills													0
Other Central Substations													0
Territorial Load	2,311	2,411	2,459	2,108	2,349	2,545	2,740	2,723	2,396	2,147	2,490	2,382	2,740
Off-System Peak:													0
NCEMPA													0
Total Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Requirements	2,311	2,411	2,459	2,108	2,349	2,545	2,740	2,723	2,396	2,147	2,490	2,382	2,740