

## PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

EVALUATION & COMPLIANCE DIVISION  
Energy BranchRESOLUTION E-3054  
September 23, 1987R E S O L U T I O N

ORDER AUTHORIZING SAN DIEGO GAS AND ELECTRIC COMPANY (SDG&E) TO IMPLEMENT A NEW FORM ENTITLED "POWER LINE ANALYSIS AND/OR ENGINEERING STUDY AGREEMENT, FORM 135-559 FOR UTILIZATION IN CONJUNCTION WITH THE POWER ANALYSIS AND CONDITIONING SERVICE (PACS) PROGRAM WHICH SDG&E PLANS TO IMPLEMENT UPON APPROVAL OF THIS RESOLUTION.

(Advice Letter 713-E filed August 26, 1987.)

SUMMARY

By Advice Letter 713-E filed August 26, 1987 San Diego Gas and Electric Company (SDG&E) requests authorization to implement a new form entitled, "Power Line Analysis and/or Engineering Study Agreement, Form 135-559". This form will be utilized in conjunction with the Power Analysis and Conditioning Service (PACS) Program which SDG&E plans to implement after this Commission approves the above advice letter filing.

BACKGROUND

1. While most electronic equipment is extremely sensitive to any deviations in the electric power delivered to it, other electronic equipment can cause distortion and deviations to the same power supply. For example, computer memories in a manufacturing environment can be altered or lost if a voltage disturbance occurs for only a few milliseconds. In this same environment, there may be electronic power converters (ranging from light dimmer switches to energy conservation controls for variable speed motors) that can distort the voltage waveshape and cause disturbance problems on the power line.

2. The rapid expansion of sophisticated electronic equipment has led SDG&E to develop a new customer service power quality program. SDG&E believes that this program is consistent with its goals of delivering reliable electric energy and the backing of its product with efficient service.

3. The major goal of the SDG&E program is to improve customer satisfaction by implementing a personalized customer service program. The Power Analysis and Conditioning Service (PACS) Program will include: (1) the dissemination of educational information; and (2) the auditing of customer facilities (site survey plus voltage monitoring with analysis and recommendations) for a fee.

4. The educational portion of the program began during October 1985, with a one day seminar for the large SDG&E commercial customers, and the publication and dissemination of two technical brochures on the subject of power quality. A residential power protection factsheet was also published during April 1986. Voltage monitoring without fees began on April 1, 1986 and is considered an extension of existing SDG&E services.

5. Revenues derived from the charges associated with the PACS program will be credited against the costs of the PACS analysis. SDG&E currently expects the net impact over time to be approximately zero. The Power Line Analysis and/or Engineering Study Agreement Form is Attachment A to this Resolution.

6. Satisfaction with the fee services provided will be measured about four weeks after the service has been provided and will include: timeliness of the service, was the problem solved, was the cost reasonable, what could have been improved, etc..

7. This filing will not increase any rate or charge, conflict with other schedules or rules, nor cause the withdrawal of service.

8. SDG&E has requested that this advice letter become effective on October 5, 1987, which is 40 days from the date filed and within the 40-day statutory time allowed under the provisions of General Order 96-A.

#### PROTESTS

1. No protests have been filed in this matter.

#### FINDINGS

1. The staff of the Evaluation and Compliance Division (E&C) have reviewed SDG&E's request to implement the "Power Line Analysis And/Or Engineering Study Agreement, Form 135-559 and recommend its approval.

2. Public notification of this filing has been made by supplying copies of the filing to other utilities, governmental agencies, and to all interested parties who requested such notification.

**THEREFORE:**

1. San Diego Gas and Electric Company is authorized under the provisions of General Order 96-A to implement Form No. 135-559 entitled "Power Line Analysis And/Or Engineering Study Agreement" for utilization in conjunction with the Power Analysis and Conditioning Service (PACS) Program.

2. This advice letter and the accompanying tariff schedule shall be marked to show that they were accepted for filing by Commission Resolution E-3054. The effective date of this advice letter filing shall be October 5, 1987, as requested by SDG&E under the provisions of General Order 96-A. This Resolution is effective today.

I certify that this Resolution was adopted by the Public Utilities Commission at its regular scheduled meeting on September 23, 1987. The following Commissioners approved it:

STANLEY W. HULETT  
President  
DONALD VIAL  
FREDERICK R. DUDA  
G. MITCHELL WILK  
JOHN B. OHANIAN  
Commissioners

  
\_\_\_\_\_  
Executive Director

POWER LINE ANALYSIS AND/OR ENGINEERING STUDY AGREEMENT

This Agreement is entered into, and is effective, this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, between San Diego Gas and Electric Company, a corporation organized and existing under the laws of the State of California with its principal offices at 101 Ash Street, San Diego, CA 92101, hereinafter referred to as "SDG&E", and \_\_\_\_\_,

with its principal offices at \_\_\_\_\_,  
hereinafter called "Customer".

Whereas, SDG&E desires to provide to the Customer and Customer desires to receive from SDG&E the Power Analysis and Conditioning Service;

Whereas, prior to providing recommendations for application of power conditioning equipment, SDG&E shall conduct a power line analysis and/or engineering study and the Customer shall pay for such study, under the terms and conditions specified herein;

Now, therefore, in consideration of the premises hereof and the mutual covenants and agreements contained herein, the parties hereto agree as follows:

1. Statement of Work. SDG&E shall use its best efforts to furnish the personnel, services, and equipment necessary to conduct a power line analysis and/or engineering study in connection with the Power Analysis and Conditioning Service on the Customer's premises. The analysis and study to be provided are fully described in Attachment A to this Agreement. The study will include a site survey, line monitoring test, and engineering recommendations for the application of power conditioning equipment.

2. Time. The said analysis and/or engineering study shall be completed within \_\_\_\_\_ days from the effective date of this Agreement. The study results will be provided within \_\_\_\_\_ days from completion of the analysis and study. The period of performance may be extended under the same terms and conditions or such other terms and conditions as may be mutually agreed upon by written amendment to this Agreement.

3. Access. Customer agrees to allow SDG&E personnel full access to any and all areas of the premises under Customer's immediate control and to secure permission from the proper person or persons to allow SDG&E personnel or its authorized agents full access to all areas of the premises not under Customer's control, that SDG&E personnel or its authorized agents deem necessary to visit in conjunction with the performance of the said study. Customer shall be fully responsible for providing restricted access to the monitoring area for personnel safety and SDG&E instrument security.

4. Cost. Customer agrees to pay SDG&E in advance, the sum of \_\_\_\_\_ for said analysis and/or engineering study. The cost is calculated on the basis of the fee schedule included in Attachment A to this Agreement.

SAN DIEGO GAS & ELECTRIC COMPANY

5. Rights to Data. All organized data and records of the study shall be the property of the Customer. SDG&E shall have the right to retain a copy of all organized data and results for its exclusive use.

6. Amendments. This agreement may be amended only by the mutual written agreement of the parties.

7. Indemnity. Customer will defend, indemnify, and hold harmless, SDG&E, together with any and all of its agents and employees, from and against any and all claims, losses, liabilities, damages and expenses (including attorneys' fees) of any kind whatsoever for injury to or death of any person (including, but not limited to, employees of SDG&E and Customer) and for loss, damage, or destruction of any property (including, but not limited to, any property of SDG&E or Customer) arising out of or in any way pertaining to SDG&E's performance or lack of performance of the terms of this Agreement and SDG&E's activities on Customer's premises, whether negligent or otherwise, by its agents, employees or subcontractors. This indemnity and hold harmless shall not apply if said injury or death, or loss, damage, or destruction, is caused by the sole negligence or willful act of SDG&E, its agents or employees.

8. Consequential Damages. In no event shall SDG&E be liable for special, indirect, or consequential damages.

9. Warranties and Guarantees. SDG&E shall use its best efforts, abilities, and skill to provide customer with as complete and accurate a study as possible. However, due to the complexity of the engineering and analysis work required for the study, and the potential for the unavailability of pertinent information, SDG&E cannot and does not guarantee or warranty that the study will be free from all defects or errors.

10. California Public Utilities Commission. SDG&E's agreement for providing power analysis and conditioning services to its customers has been approved by the Public Utilities Commission of the State of California. However, the agreement shall be subject to such changes or modifications by the Commission as the Commission may, from time to time, direct in the exercise of its jurisdiction.

This Agreement embodies the entire understanding of the parties and shall supersede all previous communication, either verbal or written, between the parties hereto.

Customer: \_\_\_\_\_

By: \_\_\_\_\_

SAN DIEGO GAS & ELECTRIC COMPANY

By: \_\_\_\_\_

POWER CONDITIONING SERVICE PURCHASE CONTRACT

I. Description of Study and Analysis to be Provided.

- A. Summary of power requirements for critical load.
- B. Summary of power disturbances monitored and recorded.
- C. Evaluation of critical load downtime costs.
- D. Summary of recent SDG&E circuit history.
- E. Recommendations for application of power conditioning equipment.

II. Fee Schedule.

The flat rate fee schedule is based on SDG&E costs for labor and equipment usage.

Preliminary Fee Schedule (Per Power Conditioning Size Requirements).

Below 10 KVA - \$ 355.00  
10 KVA to 50 KVA - \$ 570.00  
Above 50 KVA - \$1000.00