

PACIFIC GAS AND ELECTRIC COMPANY

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December 5, 1985

Local Union No. 1245
International Brotherhood of
Electrical Workers, AFL-CIO
P. O. Box 4790
Walnut Creek, California 94596

Attention: Mr. Jack McNally, Business Manager

Gentlemen:

Company recently completed two pilot classes for 500kv Operators at the Emeryville Training Facility. As a result of the student response and our overall evaluations of the classes, we have decided to continue this type of training for all Intertie Operating personnel on an annual basis.

We plan on starting our first five-day classes during January of 1986 and have all 500kv System Operators complete a one-week session during the first quarter of each year thereafter. Attached is an outline of the subjects to be included in these classes. This class is intended to replace the existing one-week Journeyman Operator School for 500kv Operators only.

Due to our already full 0700-to-1500-hour school schedule, Company proposes to hold these 500kv sessions between 1300 and 2100 hours, Monday through Friday.

Company further proposes that a variance to Paragraph F of Section II of the Labor Agreement Clarification on Title 202 - "Hours" be granted to provide for the hours of work listed above at the Emeryville facility. Such assignments will last at least

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five consecutive workdays. This variance will no longer be in effect as of the date the Operating School is relocated to the new San Ramon Training Center.

If you are in accord with the foregoing and agree thereto, please so indicate in the space provided below and return one executed copy of this letter to the Company.

Yours very Truly,

PACIFIC GAS AND ELECTRIC COMPANY

By *W. Bonbright*
Manager of Industrial Relations

The Union is in accord with the foregoing and it agrees thereto as of the date hereof.

LOCAL UNION NO. 1245, INTERNATIONAL
BROTHERHOOD OF ELECTRICAL WORKERS, AFL-CIO

Dec 13, 1985

By *Jack McHenry*
Business Manager

OUTLINE FOR 500kV INTERTIE TRAINING AT
EMERYVILLE FACILITY

- A. Orientation to Simulator and Complete Description of Objectives and Subject Matter of This Class
 - 1. Handouts of worksheets, operating diagrams, code orders and circuit data information.
 - 2. Walk through of simulator and explanation of equipment and instructions to follow.

- B. Protective Relay Presentation
 - 1. Overall 500kV protection and reasons for schemes and backup requirements.
 - 2. Demonstrations of relay actions and required inspection and response.

- C. Telecommunication Presentation
 - 1. Modes of communication used on 500kV system to monitor and initiate protective relay action when and where required.
 - 2. Wire Chief and System Dispatchers' role in coordinating the operation of the communication/protection portion of our 500kV system.

- D. System Dispatcher
 - 1. Overall effect of the 500kV intertie to our system.
 - 2. Loading problems.
 - 3. History of loop operation in Western United States.
 - 4. Up-to-Date report of major disturbances in the West.
 - 5. Explain the consequences of disturbances and how they can effect other systems.
 - 6. Flow through power.
 - 7. Procedures for re-establishing the loop.
 - 8. Systems participating in Pacific Intertie and Western Interconnection.
 - 9. Necessity of keeping the Dispatcher informed of any abnormal conditions that exist relative to the 500kV stations.

10. Action to be taken by Operators when no communication is available.
11. Conditions under which the ties with the Northwest and/or Southern California Edison are to be opened.

E. Simulator Operations/Emergency Response

1. Revised operating characteristics of all 500kV equipment reactors, capacitors, interlocks, banks, buses, CBs, batteries, communications and relay actions.
2. Simulator system separation to show significance of 500kV support to total system.
3. Simulator 500kV problems, system breakup, line relay, bus relay, CB failure, loss of communication and routine clearances on transfer trip, CBs, banks and buses.