



San Diego Gas & Electric

Internal Correspondence

TO Distribution

DATE September 18, 1986

FROM V.D. Bartolomucci

FILE NUMBER 82-041.01.02
82-042.01.02

SUBJECT INTERCONNECTION AGREEMENTS FOR THE BONSAI AND OTAY LANDFILL GAS PLANTS

Attached are two fully executed Letter Agreements between Central Plants, Inc. and SDG&E.

The Letter Agreements were drafted to include the provisions for interconnection of the Bonsall and Otay Landfill Plants, respectively with the SDG&E system and includes among other items, the cost of interconnection facilities, list of interconnection equipment to be installed by SDG&E and one-line diagrams for each of the plants.

This information was not included at the time of execution of the Power Purchase Agreement due to its unavailability.

If you have any questions, please contact me.

V.D. Bartolomucci

VDB/ea
Attachment

Distribution:

- | | | |
|----------------------------|---|------------------------|
| W.J. Karnes (original) | | <u>w/o attachments</u> |
| M.J. Allen (w/ attachment) | | |
| R.E. Baldwin | " | A.G. Folkman |
| C. Hubble | " | G.P. Gaebe |
| L. Liquori | " | J.E. Guenther |
| E.L. McLaughlin | " | D.R. Kelly-Cochrane |
| W.P. Sakarias | " | R.A. Krumvieda |
| D.L. Sullivan | " | S.C. Kwong |
| N.J. Hargett | " | R.J. Resley |
| H.R. Smith | " | |



San Diego Gas & Electric

July 3, 1986

82-042.01.02

Central Plants, Incorporated
6055 E. Washington Blvd., Suite 817
Commerce, CA 90040

Attention: Vice President, Power Marketing

Dear Sir:

This letter concerns amending the Long Run Standard Offer for Power Purchase and Interconnection from Qualifying Facilities between SDG&E and Central Plants, Inc. (Bonsall Landfill) signed December 29, 1983.

At the time of execution of the subject Agreement, certain sections and exhibits associated with interconnection facilities were not included, due to the unavailability of the information required to incorporate them.

Pursuant to the provisions of the subject, it is therefore hereby agreed that the Sections as described in Exhibit 1 will be incorporated as part of the subject Agreement. In addition, Exhibit 2, which includes the Plant Schematic and Interconnection Facilities for the Bonsall Landfill Facility and the associated list of equipment to be installed by SDG&E, will be incorporated as Appendix C of the subject Agreement. It is not the intent to modify any other portion of the subject Agreement except as expressly stated herein.

If you concur with the foregoing amendments, please sign both copies of this letter where provided and return one copy to the undersigned.

Sincerely,

Michael R. Niggli
Director
Fuel and Power Contracts

MRN/ea
Attachments

Agreed to this date: July 25, 1986
By: JR Kennelly
Title: VICE PRESIDENT

Exhibit 1

Amended Sections to the Long Run Standard Offer for Power Purchase and Interconnection from Qualifying Facilities Between SDG&E and Central Plants, Incorporated for the Bonsall Landfill Project.

- Section 1.3.1.2 Interconnection Voltage Level: 12 kv
- 1.3.2.1 Service Under SDG&E Rate Schedule: A
- 1.3.2.2 Standby Service Under SDG&E Rate Schedule: S
- 1.3.3.2 Estimated Cost of SDG&E Facilities (Section 2.6.3): \$9,518.00.
- 1.3.3.3 Estimated Cost of Line Extension Facilities:
\$36,300.00
- 1.3.3.4 Cost of SDG&E and Line Extension Facilities to be based on Actual Cost.

Exhibit 2

Plant Schematic and Interconnection Facilities

Bonsall Landfill Project

Page 1 : One Line Diagram

Page 2 : Interconnection Facilities
Equipment List

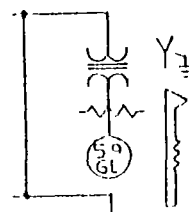
- 1X Out of synch. relay
- 14 Switching tachometer to energize 14X
- 14X Switching tachometer auxiliary relay to energize 90
- 25 Synch check relay to energize 9R
- 25/15 Auto synchronizer to automatically energize 9H
- 27C Battery undervoltage relay to de-energize 9H
- 32 Directional power relay to energize 94
- 38/49 Generator bearing/winding overtemperature to energize 8CG
- 39 Generator vibration detector to energize 8GG
- 40 Loss of field relay to energize 94
- 43/A Selector switch for automatic synchronization
- 4A Incomplete sequence time delay relay to energize 866
- 50/51 Generator Inst. and time O.C. relay to energize 86G
- 52 Main recloser
- 52 I.C. 52 tripping coil
- 59 Generator overvoltage relay to energize 86G
- 59G Generator ground overvoltage relay to energize 86G
- 59GA 480V ground overvoltage relay to energize 59GAX
- 59GAX 59GA auxiliary relay to energize 94 and to energize 52 I.C. after engine has stopped
- 59GB 4160V ground overvoltage relay to energize 59GBX
- 59GBX 59GB auxiliary relay to energize 94 and to energize 52 I.C. after engine has stopped
- 59G1 12V line ground overvoltage relay to energize 94
- 63 Electronic governor
- 79 Reclosing blocking time delay relay to energize 86G before time setting has elapsed.

- 810/v 59/27/47 Over/under frequency, over/under voltage, phase sequence relay to energize 94 and to prevent energization of 9H
- 86H Locking out relay to energize 52 I.C
- 86G Locking out relay to shut-down engine and to prevent energization of 9H
- 87 Differential relay to energize 86H
- 90 Voltage regulator
- 94 Generator tripping and engine cool down relay
- 150/151 Line Inst. and time O.C. relay to energize 52 I.C
- 150/151H Line ground Inst. and time O.C. relay to energize 52 I.C

- A Ammeter
- AS Ammeter switch
- CFI contactor control power transformer
- C D Engine cool down
- C.A. D.C. Ammeter
- EL Elapsed time meter
- FI Incoming frequency
- FL Line kilovoltmeter
- FLV Generator/line kilovoltmeter
- FLVH Generator/line kilovolt/hourmeter
- KVI generator kilovolttransducer
- L.A. Lighting arrestors
- K Generator contactor
- H.C.C. Motor control center
- MR Generator contactor master relay
- MX Generator contactor auxiliary relay
- PST Phase shifting transformer
- PT Potential transformer
- PDCI Reactive droop current transformer
- RID Resistance temperature detector
- SD Engine shut down
- SL Synch light
- SS Synch switch
- STM Synchroscope
- TS Test switch
- V Voltmeter
- V Incoming voltmeter
- VS Voltmeter switch

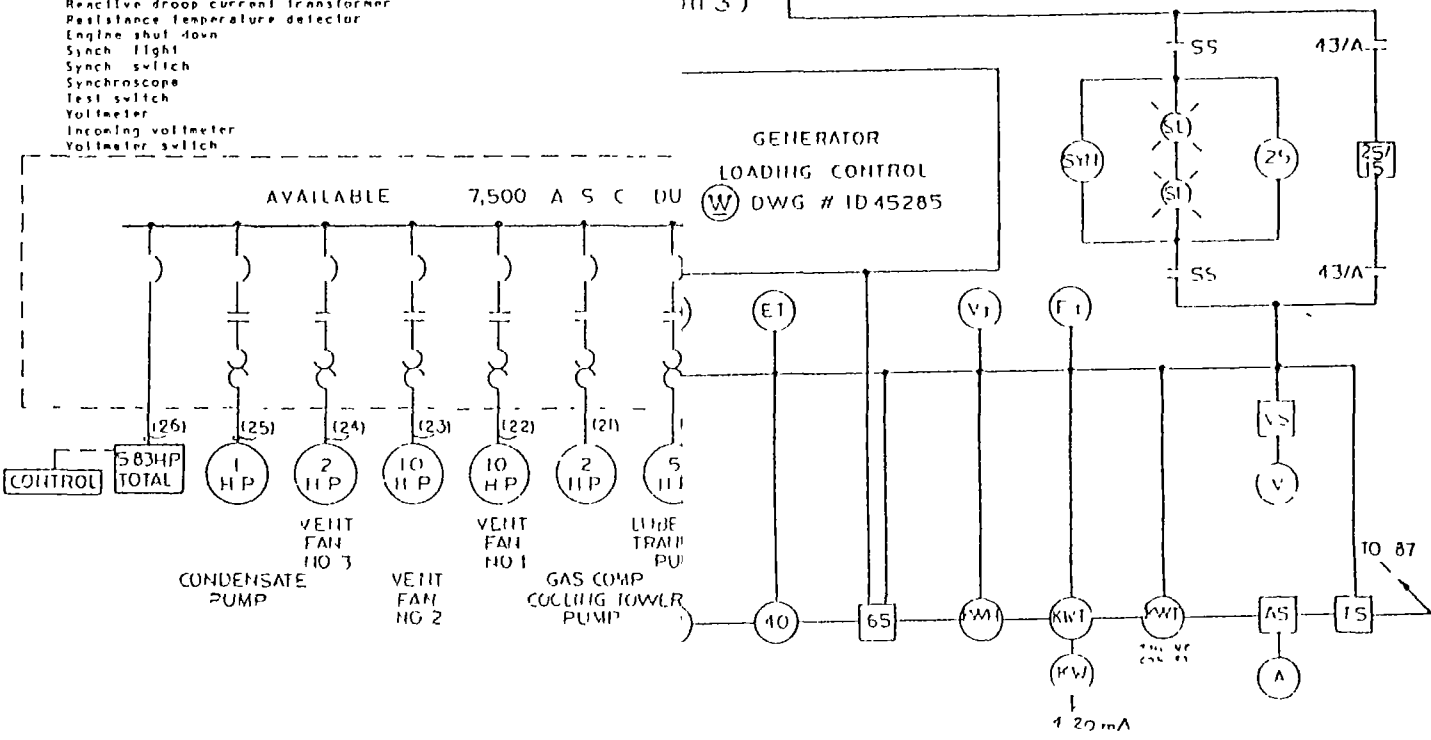
- 1 ISOLATING SWITCHES OPERATE ONLY WHEN CONTACTOR H IS OPEN. CONTACTOR H DOES NOT OPERATE UNLESS BOTH ISOLATING SWITCHES ARE CLOSED. CONTACTOR H CAN OPERATE IN TEST MODE WITH ISOLATING SWITCHES OPEN.
- 2 KEY IS REMOVABLE WITH: A SW-1 IS OPEN B. TRANSFORMER DOOR IS CLOSED
- 3 KEY IS REMOVABLE WITH: A SW-2 IS OPEN B. SW-1 IS CLOSED
- 4 NUM. NUMBERS ARE INDICATED IN PARENTHESES AND ARE IDENTIFIED IN SEPARATE GENERAL WIRING AND CONTROL SCHEMATIC
- 5 FUSES AND TERMINAL BLOCK TO BE MOUNTED IN OUTDOOR ENCLOSURE LOCATED BELOW ST-2 AT APPROXIMATELY 4 FEET LEVEL
- 6 WIRING:
 - 6.1 ALL WIRES TO BE STRANDED COPPER
 - 6.2 ALL MEDIUM VOLTAGE POWER CABLES TO BE 131A INSULATION LVL. PL. 5KV MVDO, U.L. APPROVED, COPPER, SHIELDING TAPE

UX TRANS. OR DOOR



M FROM GEN C

(2) PT'S 120/70V (CTOR IROL HT 3)



1	2	3	4	5	6	7	8	9	10	11	12	13	14	
REVISION	ADDED NOTE 4 W/REN #10 ()	CHANGED GEN FROM 2400/120V TO 1400/270V.	ADDED AUX AFTER GROUNDING RELAY FOR SIZE	ADDED CONTACTOR CPT SIZE	ADDED NOTE 5 W/ 12/12/84 SEC. PT. FUSES AND TERM. BLOCK	ADDED NOTE 6	ADD D. AUX. ITEM PRINT FUSE SIZE TO SERVICE BT	ADDED CONTACTOR TO SERVICE BT	ADDED MCC LOAD SCHEDULE	CHANGED AUX INTER SEC. C/B FROM 500A TO 400A	A. PEREZ 9/6/85	CHANGED DESI. CANTON OR 32.4 TO 52.4	ADDED 'RELAYS' TO 52.4 C CONTROL.	CHANGED DESIGNATION OF LINE 50M TO 150/151 AND 150/151H TO 150/151H AND 150/151H CONNECTED TO 79. CTS TO 310V.

Westinghouse Electric Corporation

ENERGY RECOVERY STATION
BONSALL SANITARY LANDFILL

DIMENSIONS IN INCHES SCALE NONE ONE LINE DIAGRAM

DATE 1/11/85 BY A. PEREZ

1045280 EI

FIG. SERV 100205 SHAW BL AVE COLUMBIA GA 30021 USA (608) 9250

Exhibit 2

Interconnection Facilities Equipment List

Bonsall Landfill Project

A. SDG&E Interconnection Facilities:

<u>Item</u>	<u>Quantity</u>
1. TMR-82 kilowatthour meter	1
2. kilowatthour meter CT, Rated 120v	1
3. 15 kv Potential Transformer (100/1)	2
4. 15 kv Current Transformer (100/5)	2
5. Test Switch (7 blade) and Cover	1
6. Labor, Engineering, Transportation	

B. Line Extension Facilities:

1. Overhead Pole Line Extension of approximately 1,250 feet of 3 W, No. 2 ACSR
2. Underground cable pole feed of approximately 50 feet of 2/0 Al cable.
3. 5 poles and associated hardware and anchors
4. 1 gang operated sectionalizing switch
5. Stress cone terminations into customer switchgear
6. Labor, Engineering, Transportation.