SPEED-MEMO

PART NUMBER

DATE

TO

United Energy Technologies

1

12-0506
6 AUG 81

SUBJECT

UET's Energy Saving Technologies

FROM

Dept of Energy - Region IV (PO/AT)
1655 Peachtree Street, NE
Atlanta, GA 30367

Grant DE-FG44-80-M0132

MESSAGE (WRITE CONCISE MESSAGE. SIGN AND FORWARD PARTS 1 AND 2 TO ADDRESSEE. RETAIN PART 3)

Dear Grantee:

RECEIVED AUG 10 1981

12-0500

We are concerned about the status of your Appropriate Technology project for one or more of the reasons checked below. Would you please advise us as soon as possible if we are incorrect and what you intend to do to correct the deficiency if we are correct.

- ☐ We have not received a quarterly project progress report from you so we do not know what you are accomplishing.
- ☒ We did not receive a quarterly project progress report for either of the last ~~two~~ ^{five} quarters so we don't know what you are accomplishing.
- ☐ You have not requested any of your grant funds.

Your prompt attention to this matter will be appreciated.

Respond on the section below and retain a copy for your records.

MASTER

SIGNATURE

Charles L. Keltus, Energy Conservation Program Spec

REPLY (USE THIS SPACE FOR REPLY. SIGN AND DATE. RETURN PART 2 TO SENDER. RETAIN PART 1)

I am sorry about the delay in our responding. The original person in charge of this project Mr. Willard Thrash, has left the company, and apparently no one else knew about the follow-up procedure.

I have researched our records and came up with the enclosed report information. In addition to our monitoring of the electrical water heating savings, the City of St. Petersburg also closely monitors all their facilities usage. The letter from Mr. Joe Arenas, General Services Administrator, attests to their actual savings on the entire facility (waste heat recovery and computer control system).

This project was interrupted due to a re-organization in the management of the service area in the facility. As you see, the building was closed to the public from approximately August 15, 1980 until late December, 1980, when a private restaurant organization leased the building for business. The City of St. Petersburg still owns and maintains the facility, and consequently is responsible for the utilities and equipment also.

SIGNATURE

DATE

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UNITED ENERGY TECHNOLOGIES, INC.

800 43rd STREET SOUTH, ST. PETERSBURG, FLORIDA 33711

813/821-3903

August 28, 1981

Dept. of Energy-Region IV (PO/AT)
1655 Peachtree Street NE
Atlanta, GA 30367

(Cont'd)

From all indications, the equipment is performing as anticipated. To date, there have been no service calls for repair. The local maintenance engineer is able to change or alter the microprocessor if desired due to its simplicity of design, and all parties involved at the facility seem quite happy with the energy management efforts.

To my knowledge, all grant monies due have been received by us, and all equipment has been installed and in operation since June, 1980.

Please let me know if I need to provide any additional information.

Sincerely,

Gilbert Green

UNITED ENERGY TECHNOLOGIES, INC.

MEMBER:

Pinellas Industrial Association
Committee of 100
Better Business Bureau
St. Petersburg Chamber of Commerce

ELECTRIC WATER HEATER - PIER PLACE

B E F O R E					A F T E R				
Read Begin April 10		KWH Elapsed	KWH Consumed	Avg. Daily Consumed	Read Begin June 7		KWH Elapsed	KWH Consumed	Avg. Daily Consumed
April 18	8	4685	4685	585.63	June 9	2	762	762	381
April 25	7	8657	3972	567.43	June 18		35,269	34,507	4313.38
May 5	10	13,717.6	5060.6	506.6	Begin June 19				
May 9	4	15,563.1	1845.5	461.38	June 20	1	390.59	390.59	390.59
May 16	7	19,588.8	4025.7	575.10	June 27	7	2293.68	1903.09	271.87
					July 3	6	63740.93	1447.25	241.21
					July 9	6	5255.21	1514.28	252.38
					July 29		38,3145	apparent meter error removed due to closing of facility on August 15.	

TOTAL DAYS IN RECORDING = 36
 TOTAL KWH CONSUMPTION : 19,588.8
 AVG. DAILY KWH CONSUMPTION : 544.13

TOTAL DAYS IN RECORDING = 22
 TOTAL KWH CONSUMPTION : 6017.21
 AVG. DAILY CONSUMPTION : 273.51

** AVERAGE DAILY SAVINGS: 270.62 KW

270.62 KW x \$.048/KWH = \$ 12.99/day
 = \$ 389.69/month
 = \$ 4741.35/year

CITY
OF
ST. PETERSBURG
THE SUNSHINE CITY

August 13, 1981

RECEIVED AUG 14 1981

Mr. Gil Green
United Energy Technologies
800 - 43rd Street South
St. Petersburg, FL 33711

Dear Gil:

Below are the savings figures for the Pier Place since the installation of UET's energy saving equipment.

The cumulative figures are for the months of June, 1980 to July, 1981, excluding the months of August, 1980 to December, 1980, during which time the major energy consumer in that facility was inoperative.

<u>KWH Consumed</u>			<u>Savings</u>	
<u>Expected</u>	<u>Actual</u>	<u>KWH</u>	<u>\$</u>	<u>Percent</u>
1,588,128	1,426,501	161,624	\$ 8,653	10%

If I can be of further service, please don't hesitate to ask.

Sincerely,

Joe Arenas
Joe Arenas

JA:rlc

12-0500

12-0500

STAINLESS STEEL
HEAT EXCHANGER

12-0500

12-0500

CIRCULATION PUMP
IN COMMON MANIFOLD
SUPPLY LINE

12-0500

SUPPLY LINE FROM
BOILER DRAIN OF
ELECTRIC BOILER TO
WASTE HEAT RECOVERY
UNIT.

12-0501

RETURN LINE TO
TOP OF ELECTRIC
BOXER FROM HEAT
RECOVERY UNITS

12-0506

SUPPORTED SUPPLY
RETURN PIPES ACROSS
CEILING IN MECHANICAL ROOM

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