

ENERGY AUDIT REPORT

FOURTH QUARTER REPORT FOR FY87

30 November 1987

Navy Conservation Progress (Shore Activities + Housing)

Actual: -1.54%
Adjusted: -1.59%
Goal: -2.40%

First quarter FY88 DEIS-II reporting dates:
31 OCT (7304), 30 NOV (7334) and 31 DEC (7365)

Second quarter FY88 DEIS-II reporting dates:
31 JAN (8031), 28 FEB (8060) and 31 MAR (8091)

SUGGESTED ROUTING

CO/XO

PWO

ENERGY CONS.
OFFICER



EAR NOTICE

FOR EXECUTIVE MANAGEMENT

This is the ONLY copy of the EAR that will be sent to the activities. Please ensure distribution is made to all users of the data.

- An Energy Control Report (ECR) extract has been included with this quarter's EAR. Please route the ECR extract to the appropriate action office for verification and addition of energy conservation project data. Forward the updated information to NEESA (Code 110I/ECR).

- Several third quarter EARs were returned to NEESA because the addressee was no longer with the activity. Please be sure to notify NEESA when a point of contact changes.

- NAVFAC is working on revising NAVFACNOTICE 4101. Look for major changes.

FOR DEIS-II MANAGEMENT

- The accuracy of the EAR depends on the accuracy of consumption data submitted by

each reporting activity. A review of the 4th quarter preliminary EAR, run 3 November, showed 192 activities (32% of the total naval activities) had consumption data missing. Remember, if you do not have your actual consumption information by the due date, you must submit an estimate and correct it within 90 days with an MEB-3 message.

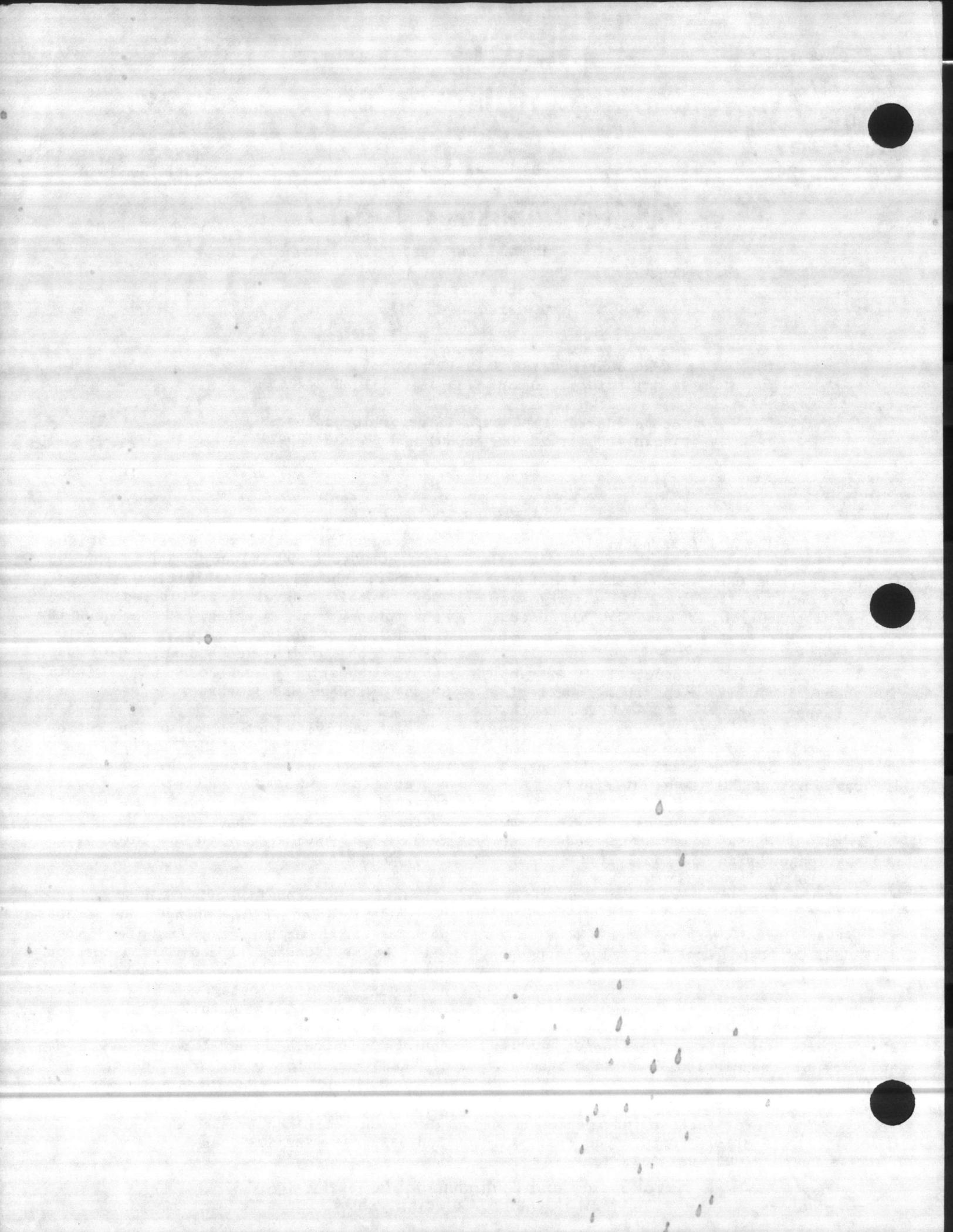
- Each activity should carefully review their copy of the TRANSMITTED MEB-2 and MEB-3 messages. After the quarterly report is received, activities should scrutinize it for errors and make appropriate corrections with an MEB-3 message to your EFD, with an information copy to NEESA.

- Activities should verify their square footage in the EAR, using the NFADB portion of their building list, and work with the EFD (Codes 111 and 20) to correct discrepancies. (NEESA manages the non-NFADB square footage and can make corrections to this data.) If you are having problems getting your NFADB square footage updated, please let us know. We at NEESA can not correct NFADB errors, but we can add our voice to yours.

For further information regarding EAR, contact Linda Tronnes or Millie Duran, Code 110I, AUTOVON 360-5835, FTS 799-5835, or (805) 982-5835.

Naval Energy and Environmental Support Activity
Port Hueneme, California 93043







ENERGY AUDIT REPORT

SECOND QUARTER REPORT FOR FY87

SUGGESTED ROUTING

CO/XO
 FWO
 ENERGY CONS. OFFICER

15 July 1987

Navy Conservation Progress (Shore Activities + Housing)

Actual: - -1.79%
 Goal: - -1.80%

Third quarter FY87 DEIS-II reporting dates:
 30 APR (7120), 31 MAY (7150) and 30 JUN (7181)

EAR NOTICE

FOR EXECUTIVE MANAGEMENT

- o Beginning with this quarter, the EAR will once again be distributed on a quarterly basis. The Third Quarter EAR will be distributed in September 1987.
- o Farewell to Ellie Sexton who accepted the position of Supervisory Program Analyst in the Information Management Department at NEESA and to Diane Cave who is now the Budget/Resources person at NAVFAC 111.
- o Barbara Wilmot now handles the NAVFAC duties previously performed by Diane Cave; Linda Tronnes took over the duties previously performed by Ellie Sexton; and Joyce Patterson assumed the Energy Control Report (ECR) ADP system maintenance functions.
- o This is the ONLY copy of the EAR that will be sent to the activities. Please ensure distribution is made to all users of the data.
- o An Energy Control Report (ECR) extract has been included with this quarter's EAR. Please ensure the ECR extract is routed to the appropriate action office. Request activities verify the energy conservation project data in the ECR, add any new project data and forward to NEESA (Code 110I/ECR).

o In March 1987, NEESA and NAVFAC conducted a survey of EAR users to determine the usage of the 56 various reports generated each quarter. The results showed that activities are using the EAR to manage their facility's energy data. However, many of the EFD and claimant reports can be discontinued.

FOR DEIS-II MANAGEMENT

o An analysis of this quarter's preliminary EAR revealed over 30% of the activities had missing or questionable data. In the future, the EAR will not be released until the suspected error rate is 5% or less. The accuracy of the EAR depends on the accuracy of consumption and square footage data submitted by each reporting activity. Each activity should carefully review their copy of the TRANSMITTED MEB-2 and MEB-3 messages. After the quarterly report is received, activities should scrutinize it for errors and make appropriate corrections. Errors in consumption require correction messages (MEB-3) to your EFD, with an information copy to NEESA. A random review of activity square footage was made and errors have been noted. Activities should verify their square footage in the EAR and work with the EFD (Code 111) to correct discrepancies. Remember, your conservation effort is measured by MBTU/KSF. If you have square footage errors, you may be penalizing yourself unnecessarily.

For further information regarding EAR, contact Linda Tronnes or Millie Duran, Code 110I, AUTOVON 360-5835, FTS 799-5835, or (805) 982-5835.

Naval Energy and Environmental Support Activity
 Port Hueneme, California 93043





ENERGY AUDIT REPORT

SUGGESTED ROUTING

CO/XO
PWO
ENERGY CONS. OFFICER

THIRD QUARTER REPORT FOR FY86

5 September 1986

Naval Conservation Progress (Navy and Marine Shore Activities + Housing)

Actual: -0.31%

Interim Goal: -0.90%

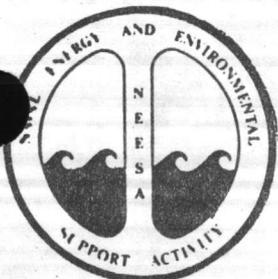
Fourth Quarter FY86 DEIS-II reporting dates are: 31 Jul, 31 Aug, and 3 Sep

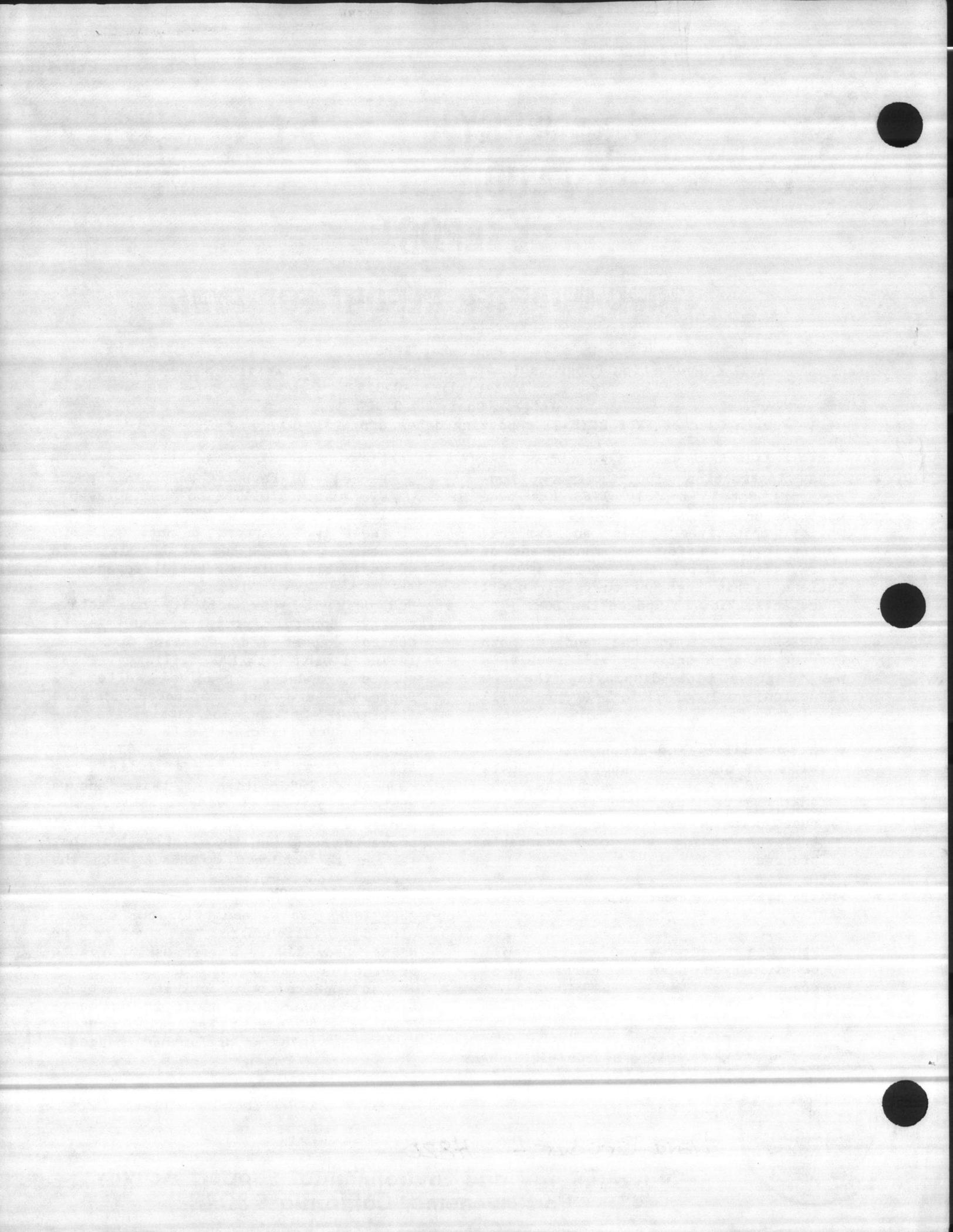
- OPNAV Instruction 4100.5C (Energy Management) dated 8 July 1986 has been distributed. This instruction revised policy, objectives, goals, and assigned responsibilities for the management of energy for ships and shore installations. This instruction requires all shore activities to update the ECR.
- PERCENT DIFFERENCE comparing these two quarters will also be displayed. If there is a 2% difference between these two quarters, a note will appear at the bottom of the 1st page indicating this percent difference.
- PROGRESS PLOT: At the end of 4th Quarter 86 each activity will receive a new progress plot displaying the new reduction goal of 12%. Graphs will display:
 - A four color line graph which starts with 1st Qtr 86 and shows four quarters of progress toward the FY95 goal. This graph will then be produced with each regular mailing of the EAR adding the new quarter's progress.
- ECR NOTE If your activity has active energy control projects, an Energy Control Report (ECR) listing has been included with this EAR mailing. (First quarter updates received after 3 September are not reflected in the listing.) Of the 364 activities receiving ECR listings with the first quarter 86 EAR mailing, only 102 activities (28%) responded with the requested information. Please ensure that the person at your activity responsible for your energy control projects receives the listing so that it can be returned to NEESA with the necessary corrections.
- FUTURE ITEMS to appear on 4th quarter EAR:
 - QUESTIONNAIRE: Please fill out the enclosed questionnaire and return to NEESA, Code 110I. We are asking you to provide us with points of contacts so we can update our activity listing. Also, whenever data needs to be verified we can contact the right person. Keep NEESA informed of further changes.
 - Progress from previous quarter will be displayed next to current progress.

Contacts:
EAR - Ellie Sexton/Millie Duran
ECR - Linda Tronnes
A/V 360, FTS 799,
COMM (805) 982-5835

Dave Bruder - 4820

Naval Energy and Environmental Support Activity
Port Hueneme, California 93043





Pat, PLEASE EXAMINE THIS CAREFULLY *sc*

SUGGESTED ROUTING

CO/XO
PWO
ENERGY CONS. OFFICER



ENERGY AUDIT REPORT

SECOND QUARTER REPORT FOR FY86

5 June 1986

Naval Conservation Progress (Navy and Marine Shore Activities + Housing)

Actual: +0.31%

Interim Goal: -0.60%

Third Quarter FY86 DEIS-II reporting dates are: 30 Apr, 31 May, and 30 Jun

- New reporting dates for your DEIS-II data. Starting in June and every month thereafter DEIS-II data is not due until the last day of the reporting month. This should help those activities who do not receive their utility bills until after the 21st and eliminate a lot of MEB3 submittals.
 - Adjustments to baseline square feet: Some of you may notice changes in your baseline square feet as compared to 1st quarter. Reasons are: (1) A review of buildings appearing on 1st quarter Energy Audit Report (EAR) showed they should have also been included in baseline; (2) Non-NFADB "aggregate" square footage has been identified and now is part of the NFADB building list. We deleted buildings in Non-NFADB that were appearing in the NFADB portion of the building list. This was causing a duplication of square footage appearing in the EAR.
 - An Energy Control Report (ECR) extract was included with the last EAR. We asked activities to update their energy projects on the extract and add projects not included on the extract. The marked-up extracts were to be returned to NEESA with the name and phone number of the activity's ECR point-of-contact. To date, only 67 activities (about 25%) have returned this information. (Those 67 activities added 139 projects to the ECR!) If you have not yet returned the information to NEESA, please do so no later than 15 July 1986 so that it can be included in the third-quarter EAR mail-out.
 - Questions most frequently asked after 1st quarter EAR mailout with answers:
1. HOW ARE COEFFICIENTS DETERMINED? Coefficients are derived using a multiple linear regression program run on a microcomputer. The program is called

- Abstat. All activities have coefficients for cooling degree days and heating degree days. Three years of monthly consumption (dependent variable), cooling and heating degree days (independent variables) were used to calculate your coefficients.
2. HOW DO I SUBMIT ADDITIONAL VARIABLES? If an activity feels other factors cause a variation in energy consumption, submit a maximum of 36 consecutive months of that data (12 months should be FY85) to NAVFAC Code 111. In general, the more data submitted, the better the regression Model. For this reason, we will accept no fewer than 12 consecutive months of data. Data must be from the period FY83 to FY85, inclusive. NEESA will use this data to create another multiple linear regression model for your activity. If the new variable does indeed have a significant impact on energy consumption, you will be notified by NAVFAC. At that time, you will be given a 3 character code for this new variable. Use this code to submit your monthly data. This can be done on the same message as your monthly consumption. We will list on the EAR coversheet, the activities and variables that proved to be significant. This may help other activities in determining additional variables.
 3. WHERE DOES NEESA GET THE WEATHER DATA (COOLING AND HEATING DEGREE DAYS)? Weather data for all DoD services is accumulated at the National Weather Service (NWS) located in Ashville, North Carolina. The data is sent to the Pentagon which then forwards a data tape to NEESA. NEESA incorporates this weather data with monthly DEIS-II consumption into the database that is reported on the EAR. The NWS is the official command for all services reporting weather data; other sources such as NOAA and local weather stations are not recognized as an official weather reporter for DoD. We have asked for a list of NWS stations by activity. When we receive that list we will inform all activities of the station that is being used for them.

DID WE DO?

Contacts:
EAR - Ellie Sexton/Millie Duran
ECR - Linda Tronnes
A/V 360, FTS 799,
COMM (805) 982-5835



Naval Energy and Environmental Support Activity
Port Hueneme, California 93043

Mr. Adcock 227-2844





ENERGY AUDIT REPORT

SUGGESTED ROUTING

- CO/XO
- PWO
- ENERGY CONS. OFFICER

FIRST QUARTER REPORT FOR FY86

12 March 1986

Naval Conservation Progress (Navy and Marine Shore Activities + Housing)

Actual: -1.02%

Interim Goal: -0.30%

First Quarter FY86 DEIS-II reporting dates are: 21 Jan, 21 Feb, and 21 Mar

FOR EXECUTIVE MANAGEMENT

- **New Reduction Goal**—The reduction goal for FY95 is a 12% reduction in MBTU/KSF compared to FY85 for claimants and activities. Update of OPNAVINST 4100.5B will state goals, and update of OPNAVINST 4100.8A will outline DEIS-II reporting procedures. Approval of instructions is pending.

- **Energy Audit Report Format Changes**—This 1st quarter displays all the new changes we have been describing in previous coversheets. The EAR contains five parts: Progress Summary; 12-month Summary; Detail; Weather Detail; and the Quarter Summary.

1. Progress Summary—Displays adjusted MBTU/KSF progress; Interim Goal; Performance from FY75 to FY85; and dollars saved.

2. 12-Month Summary—Displays 12-month totals for current consumption, adjusted current consumption and formula for the adjusted consumption, thousand square feet summary, and progress summary. The formula, however, appears only on activity reports.

3. Detail—Displays, by month, baseline and current DEIS-II consumption by energy type.

4. Weather Detail—Displays, by month, baseline and current cooling and heating degree days.

5. Quarter Summary II—Displays quarter totals by energy type and fiscal year-to-date summary.

- Attached to this cover sheet is a listing of each activity's R-squared number. Your R-square is highlighted.

The R-square number shows the variation in energy conservation from the baseline year due to changes in weather. If your R-square is 0.60 (60%) or greater, that means 60% of variation in consumption is being accounted for by weather.

- **Graphs**—Activity, EFD and major claimant progress graphs will not be mailed with this 1st quarter report. One quarter of progress will not display enough of a trend.

FOR DEIS-II MANAGEMENT

- Energy Control Report (ECR)—Included with this EAR is an extract from the ECR, listing all projects within each program. Please read all attached information and return the "acknowledgement" form to NEESA with an updated copy of the ECR.

- Remember—"NEESA DATA PORT HUENEME CA" is the only primary addressee for the monthly DEIS-II submission.

- DEIS-II activities that do not have their utility bills by the 21st following each reporting month, must estimate their data by this date. Continue to follow procedures outlined in OPNAVINST 4100.8A for submitting MEB 2 and MEB 3 messages until further notice.

- A pink sheet attached to the EAR indicates missing or incorrect data. We have highlighted the missing months or erroneous months of data. Please review and make changes as soon as possible.

- See reverse for sample DEIS-II message formats.

For further information regarding EAR, contact Ellie Sexton or Millie Duran, Code 110I, AUTOVON 360-5835, FTS 799-5835, or commercial (805) 982-5835. (Doc #0404A)

**Naval Energy and Environmental Support Activity
Port Hueneme, California 93043**



SAMPLE DEIS-II MESSAGE FORMATS

ORIGINAL DEIS-II REPORT MESSAGE
MEB 2

Entry of "TC" in LMF box indicates receipt of computer cards.

The routing indicator is not necessary on the message form. The Communications Center will assign the appropriate routing indicator when proper addressee is entered.

(Routing indicator for NEESA DATA is "RUWJAH")

Remember to always use the Julian Date for month being reported.

JOINT MESSAGEFORM		UNCLASSIFIED
01 01	111710Z MAR 86	PP RR UUUU TC HMBW 041171
ADMIN		
FROM NAS NORTH ISLAND SAN DIEGO CA		
TO NEESA DATA PORT HUENEME CA		
INFO COMNAVFACENGCOM ALEXANDRIA VA		
WESTNAVFACENGCOM SAN DIEGO CA		
UNCLAS //N11300//		
SUBJ: DEIS II, RCS-DD-M(N)1313		
NAS NORTH ISLAND CA 000246		
MEB 2 6031 000246 ELC 00000000 00000000 00004202 00 00004000 00210100		
MEB 2 6031 000246 NAG 00000000 00000000 00000700 00 00000700 00006300		
NAS NORTH ISLAND CA 000246		
MEB 2 6031 000246 ELC 00000000 00000000 00000980 00 00000980 00049000		
SHOWS ACTIVITY SHORE AND HOUSING SUBMITTAL		
DISTR		
DISTRIBUTION		
DD FORM 1732 (OCR)		

JOINT MESSAGEFORM		UNCLASSIFIED
01 01	111715Z MAR 86	PP RR UUUU 0411715
ADMIN		
FROM NAS NORTH ISLAND SAN DIEGO CA		
TO COMNAVFACENGCOM ALEXANDRIA VA		
INFO WESTNAVFACENGCOM SAN DIEGO CA		
UNCLAS //N11300//		
SUBJ: DEIS II, REPORT, RCS-DD-M(N)1313		
NAS NORTH ISLAND CA 000246		
MEB 3 5365 000246 NAG 00000000 00000000 00000812 01 00000812 00007721		
COMMENTS:		
REPORT FOR DEC 1985 WAS AN ESTIMATE DUE TO LATE RECEIPT OF UTILITY BILL. THIS DATA REFLECTS ACTUAL DEC USAGE.		
SHOWS ACTIVITY SHORE NAG CORRECTION		
DISTR		
DISTRIBUTION		
DD FORM 1732 (OCR)		

DEIS-II CORRECTION MESSAGE
MEB 3

No entry in LMF and CIC blocks indicates receipt of a paper message.

Continue to send correction messages to NAVFAC Headquarters, but whenever OPNAVINST 4100.5B is approved, you will then send correction messages to your EFD not NAVFAC or NEESA.

Only data lines that need correction are submitted.

Always include justification explaining the need for correction.

Start using Julian Date for correction messages.

1985



DEPARTMENT OF THE NAVY
NAVAL ENERGY AND ENVIRONMENTAL SUPPORT ACTIVITY
PORT HUENEME, CALIFORNIA 93043-5014

IN REPLY REFER TO:

5214/4
Ser 111E/ 558

27 APR 1987

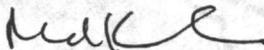
From: Commanding Officer, Naval Energy and Environmental Support Activity
To: Commanding General, Marine Corps Base, Camp Lejeune, NC 28542-5001

Subj: ANALYSIS OF ADDITIONAL VARIABLE FOR MARINE CORPS BASE CAMP LEJEUNE
ENERGY AUDIT REPORT

Ref: (a) CG MCB Camp Lejeune ltr 4101 MAIN of Jan 87

Encl: (1) Results of MLR Analysis for MCB Camp Lejeune Energy Audit Report
Adjusted Energy Consumption Equation

1. Per reference (a), we have completed analysis of your "average monthly relative humidity" variable for the Energy Audit Report Adjusted Energy Consumption equation. The variable "average monthly relative humidity" does not meet acceptance criteria and cannot be included in the adjustment equation.
2. Enclosure (1) is a printout of the regression analysis used to determine the significance of the submitted variable. The minimum T-value for a significant variable is 1.645. The calculated T-value for the variable you submitted is .5471.
3. Our contact is David Bruder, NEESA-111E, at AUTOVON 360-4820 or commercial (805) 982-4820.


RICHARD K. MESSOCK
By direction





(1987-05-05)

1987-05-05

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1987-05-05

COMMAND: LIST DATA

VARIABLES:

BASE	1 CONS	2 HDD	3 CDD	4 RH
1	333905	689.000	0.00000	74.0000
2	286990	403.000	0.00000	65.0000
3	277614	420.000	1.00000	59.6000
4	208553	166.000	23.0000	61.3000
5	163287	37.0000	175.000	65.0000
6	174945	1.00000	327.000	73.0000
7	166189	0.00000	351.000	82.8000
8	173067	0.00000	410.000	82.1000
9	160080	10.0000	192.000	80.0000
10	179551	12.0000	135.000	71.7000
11	243627	361.000	8.00000	63.9000
12	265207	344.000	0.00000	83.7000
13	350863	802.000	0.00000	69.9000
14	288610	552.000	0.00000	65.0000
15	243625	311.000	19.0000	57.8000
16	180630	97.0000	97.0000	54.0000
17	142351	97.0000	97.0000	66.0000
18	170556	0.00000	396.000	63.0000
19	169657	0.00000	485.000	74.0000
20	166977	0.00000	422.000	73.0000
21	139907	1.00000	302.000	69.9000
22	173806	8.00000	199.000	71.0000
23	183154	73.0000	85.0000	75.3000
24	319563	590.000	7.00000	56.0000
25	321898	655.000	0.00000	53.5000
26	297797	415.000	0.00000	65.6000
27	246727	329.000	11.0000	56.6000
28	177499	105.000	48.0000	54.3000
29	155995	24.0000	203.000	62.0000
30	162821	0.00000	382.000	72.0000
31	162240	0.00000	555.000	74.0000
32	161568	0.00000	407.000	79.5000
33	150657	0.00000	334.000	75.0000
34	174267	166.000	67.0000	75.2000
35	220195	204.000	51.0000	77.0000
36	279064	516.000	7.00000	67.6000

COMMAND: REGR

*** MULTIPLE LINEAR REGRESSION ***

DEPENDENT VARIABLE: 1 CONS 36 VALID CASES

COEFF OF DETERM: 0.948604 ESTIMATED CONSTANT TERM: 145833
 MULTIPLE CORR COEFF: 0.973963 STANDARD ERR OF ESTIMATE: 14911.4

ANALYSIS OF VARIANCE FOR THE REGRESSION:

SOURCE OF VARIANCE	DEGREES OF FREEDOM	SUM OF SQUARES	MEAN OF SQUARES	F TEST	PROB
REGRESSION	3	1.313228E+11	4.377426E+10	196.871	0.0000
RESIDUALS	32	7.115200E+09	2.223500E+08		
TOTAL	35	1.384380E+11			

VARIABLE	REGRESSION COEFFICIENT	STANDARDIZED COEFFICIENT	STANDARD ERROR	T	PROB
2 HDD	259.989	1.00014	15.5868	16.6801	0.0000
3 CDD	8.53958	0.0236376	22.9942	0.371379	0.7128
4 RH	183.522	0.0250009	335.467	0.547065	0.5881

*** MULTIPLE LINEAR REGRESSION ***

28 VALID CASES

DEPENDENT VARIABLE: 1 COND

MULTIPLE CORR COEFF: 0.973983
 COEFF OF DETERM: 0.948604
 STANDARD ERR OF ESTIMATE: 14911.4
 ESTIMATED CONSTANT TERM: 149823

ANALYSIS OF VARIANCE FOR THE REGRESSION:

SOURCE OF VARIANCE	DEGREES OF FREEDOM	SUM OF SQUARES	MEAN OF SQUARES	F TEST	PROB
TOTAL	28	1.384380E+11			
REGRESSION	2	1.312228E+11	4.277428E+10	196.871	0.0000
RESIDUALS	26	7.18200E+09	2.76230E+08		

VARIABLE	REGRESSION COEFFICIENT	STANDARDIZED COEFFICIENT	STANDARD ERROR	T	PROB
1 RH	182.522	0.0250099	222.467	0.247062	0.2881
2 CDD	8.23228	0.0228276	22.9942	0.271279	0.7128
3 HOD	259.989	1.00014	12.2868	16.6801	0.0000

COMMAND: REGR

*** MULTIPLE LINEAR REGRESSION ***

DEPENDENT VARIABLE: 1 CONS 36 VALID CASES

COEFF OF DETERM: 0.948123 ESTIMATED CONSTANT TERM: 157764
 MULTIPLE CORR COEFF: 0.973716 STANDARD ERR OF ESTIMATE: 14752.2

ANALYSIS OF VARIANCE FOR THE REGRESSION:

SOURCE OF VARIANCE	DEGREES OF FREEDOM	SUM OF SQUARES	MEAN OF SQUARES	F TEST	PROB
REGRESSION	2	1.312562E+11	6.562812E+10	301.560	0.0000
RESIDUALS	33	7.181745E+09	2.176286E+08		
TOTAL	35	1.384380E+11			

VARIABLE	REGRESSION COEFFICIENT	STANDARDIZED COEFFICIENT	STANDARD ERROR	T	PROB
2 HDD	259.876	0.999704	15.4191	16.8542	0.0000
3 CDD	12.7624	0.0353264	21.4287	0.595575	0.5555

