

1335

HAVERHILL SOLAR ENERGY PROJECT

The design of a solar energy system to provide 150 psi industrial process steam for the production of polystyrene at the USS Chemicals Haverhill, Ohio plant.

ECONOMIC ANALYSIS

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INTRODUCTION

There are a number of computer based evaluation techniques that can be used to conduct an economic analysis of a solar energy system. In order to provide a common framework for analysis of different solar industrial process heat solar energy systems, DOE-SAN directed solar energy project contractors to determine annual required revenue and internal rate of return using the methodology developed by W. C. Dickinson and K. C. Brown (1).

With this economic analysis technique, certain system parameters; such as solar system installed cost, annual operating and maintenance cost, and net annual solar energy delivered to the industrial process; are estimated for the candidate solar energy system. Then annual required revenue, annualized cost of solar energy, and annualized cost of conventional energy are derived using discounted cash flow techniques. The annual fossil fuel savings and simple payback can also be calculated. Lastly, the internal rate of return on solar equity investment can be determined by trial and error or graphical techniques.

- (1) W. C. Dickinson and K. C. Brown, "Economic Analysis of Solar Industrial Process Heat Systems", Lawrence Livermore Laboratory, Livermore, California, Report UCRL-52814, August, 1979.

DEVELOPMENT OF COMPUTER CODES

In order to facilitate the analysis of numerous sets of parameters and to perform sensitivity analysis of certain solar system financial, monetary, and investment strategies and tax variables, Columbia developed an economic analysis computer code that is based on the methodology of Dickinson and Brown². This program is attached in Appendix A.

The computer program has been exercised with the sets of baseline parameter values shown in Dickinson and Brown. "M-Values" calculated by the computer program for numerous sets of input parameters have been compared to M-Values presented in Dickinson and Brown³. The computer code has also been checked against Examples 1 and 2 in the Dickinson and Brown report⁴. Lastly, all of the sets of parameters required to recreate the Dickinson and Brown IROR curves⁵ were used as inputs to the computer program. An exact overlay of these curves was obtained.

² IBID
³ IBID, pp. 7, 8, 9
⁴ IBID, pp. 19, 20
⁵ IBID, pp 21

SELECTION OF PARAMETERS

There are nineteen input parameters that must be assigned values for each computer analysis. Because of the wide range of values that many of these variables can assume, (e.g. general inflation rate, fuel escalation rate, fraction of investment financed by loan, etc.) there are a multitude of sets of parameters that can be analyzed for any candidate solar energy system.

As part of the guidelines for performing an economic analysis of a DOE sponsored solar IPH system, DOE-SAN requested contractors to use the following parameters in their analysis:

(1) Depreciation Schedule	=	SOYD
(2) Depreciation Period	=	7 years
(3) Fraction of Investment Financed by Loan	=	0
(4) General Inflation Rate	=	6%
(5) Auxiliary Fuel Escalation Rate	=	8%
(6) Major Component Replacement Cost	=	25% of Initial Cost
(7) Year Major Component is Replaced	=	10
(8) System Life	=	20 years
(9) Salvage Value	=	0
(10) Investment Tax Credit	=	0.2
(11) Marginal Composite Tax Rate	=	50%
(12) Rate of Return on Investment	=	5, 10, 15 and 20%

DOE-SAN also requested calculation of internal rate of return for two separate cases:

Case 1 - Using the values for the twelve variables given on the previous page with Initial Solar System Investment (I) equal to the entire solar system cost (\$2,400,000)

Case 2 - Using the values for the twelve variables given on the previous page, with Initial Solar System Investment (I) equal to the contractor cost share (\$600,000)

Thus, there are eight DOE requested economic analysis:

1. I = \$2,400,000 , ROI = 5
2. I = \$2,400,000 , ROI = 10
3. I = \$2,400,000 , ROI = 15
4. I = \$2,400,000 , ROI = 20
5. I = \$600,000 , ROI = 5
6. I = \$600,000 , ROI = 10
7. I = \$600,000 , ROI = 15
8. I = \$600,000 , ROI = 20

with all the values for the other variables given on the previous page held constant.

In addition to the eight sets of parameters that were analyzed as requested by DOE, approximately 150 other sets of parameters were analyzed by Columbia. Sixty of these analysis are included in Appendix B. Table 1 presents values for the fifteen variables that were held constant for these sixty computer runs. Table 2 presents a summary of the four variables that were varied for the sixty computer runs.

HAVERHILL SOLAR SYSTEM ECONOMIC ANALYSIS

SUMMARY OF INPUT PARAMETER VALUES

(1) Depreciation Schedule	=	SOYD
(2) Depreciation Period	=	7 years
(3) Annual Energy Provided	=	8.0×10^9 Btu/year
(4) Solar Effectiveness Factor	=	1.06
(5) Investment Loan Fraction (see Note A)	=	0.0, 0.3, 0.5
(6) General Inflation Rate	=	6%
(7) Auxiliary Fuel Escalation Rate (see Note A)	=	8%, 10%
(8) Solar System Initial Investment (see Note B)	=	\$600,000
(9) Loan Period	=	20 years
(10) Major Component Replacement Cost (see Note A)	=	0.0, 0.25
(11) Year Major Component is Replaced	=	10
(12) System Life	=	20 years
(13) Average of O, M, PT, and I	=	4%
(14) Auxiliary Fuel Price	=	\$3.50/million Btu
(15) After Tax ROI (see notes A & C)	=	5.1, 10.1, 15.0, 20.0
(16) Market Interest Rate on Loan	=	9%
(17) Net Salvage Value	=	0.0
(18) Investment Tax Credit	=	20%
(19) Marginal Composite Tax Rate	=	50%

Note A: This parameter varied according to schedule shown in Table 2

Note B: This parameter equal to contractor cost (25% of total solar system investment)

Note C: After tax ROI must not be set exactly equal to values of items 6, 7 or 16

TABLE 1

HAVERHILL SOLAR SYSTEM ECONOMIC ANALYSIS

SUMMARY OF COMPUTER RUNS

Run Number	q'	m (tc)	f	R
1	8%	0.00	0.0	0.1
2	8%	0.00	0.0	5.1
3	8%	0.00	0.0	10.1
4	8%	0.00	0.0	15.0
5	8%	0.00	0.0	20.0
6	8%	0.00	0.3	0.1
7	8%	0.00	0.3	5.1
8	8%	0.00	0.3	10.1
9	8%	0.00	0.3	15.0
10	8%	0.00	0.3	20.0
11	8%	0.00	0.5	0.1
12	8%	0.00	0.5	5.1
13	8%	0.00	0.5	10.1
14	8%	0.00	0.5	15.0
15	8%	0.00	0.5	20.0
16	8%	0.25	0.0	0.1
17	8%	0.25	0.0	5.1
18	8%	0.25	0.0	10.1
19	8%	0.25	0.0	15.0
20	8%	0.25	0.0	20.0
21	8%	0.25	0.3	0.1
22	8%	0.25	0.3	5.1
23	8%	0.25	0.3	10.1
24	8%	0.25	0.3	15.0
25	8%	0.25	0.3	20.0
26	8%	0.25	0.5	0.1
27	8%	0.25	0.5	5.1
28	8%	0.25	0.5	10.1
29	8%	0.25	0.5	15.0
30	8%	0.25	0.5	20.0
31	10%	0.00	0.0	0.1
32	10%	0.00	0.0	5.1
33	10%	0.00	0.0	10.1
34	10%	0.00	0.0	15.0
35	10%	0.00	0.0	20.0
36	10%	0.00	0.3	0.1
37	10%	0.00	0.3	5.1
38	10%	0.00	0.3	10.1
39	10%	0.00	0.3	15.0
40	10%	0.00	0.3	20.0
41	10%	0.00	0.3	0.1
42	10%	0.00	0.5	5.1
43	10%	0.00	0.5	10.1
44	10%	0.00	0.5	15.0
45	10%	0.00	0.5	20.0
46	10%	0.25	0.0	0.1
47	10%	0.25	0.0	5.1
48	10%	0.25	0.0	10.1
49	10%	0.25	0.0	15.0
50	10%	0.25	0.0	20.0
51	10%	0.25	0.3	0.1
52	10%	0.25	0.3	5.1
53	10%	0.25	0.3	10.1
54	10%	0.25	0.3	15.0
55	10%	0.25	0.3	20.0
56	10%	0.25	0.5	0.1
57	10%	0.25	0.5	5.1
58	10%	0.25	0.5	10.1
59	10%	0.25	0.5	15.0
60	10%	0.25	0.5	20.0

TABLE 2

ANALYSIS OF RESULTS

Dickinson and Brown identify an "M-factor" which is the ratio of levelized required revenue for solar generated energy to initial solar system investment. For the sixty cases delineated in Tables 1 and 2, the M-factor covers values that range from 0.102 for small (0.1%) after tax return on investment and low major component replacement cost to 0.289 for large (20%) after tax return on investment and high major component replacement cost.

From the M-factor and the annual amount of solar energy delivered, the levelized price of solar energy and the levelized price of solar energy per unit of fuel energy saved can be calculated. For the sixty cases mentioned previously the levelized price of solar energy ranges from \$7.68 per million BTU for 0.1% ROI assumptions to \$21.71 per million for 20% ROI assumption. Because steam at the Haverhill plant is generated in very high efficiency boilers the solar effectiveness factor is small and the levelized price of solar energy per unit of fuel energy saved ranges from \$7.24 to \$20.48 per million BTU.

The calculated levelized fossil fuel price for 8 percent fuel escalation rate ranges from \$5.68 per million BTU at 20% ROI to \$8.63 per million BTU at 0.01% ROI. For 10 percent fuel escalation rates the levelized fossil fuel price ranges from \$6.52 per million BTU at 20% ROI to \$11.00 per million BTU at 0.1% ROI.

The Internal Rate of Return for the Haverhill solar energy system can be determined by trial and error or graphical techniques. Figure 1 demonstrates the graphical technique for the set of parameters from computer runs 1 through 15 and 31 through 45 (given in Tables 1 and 2).

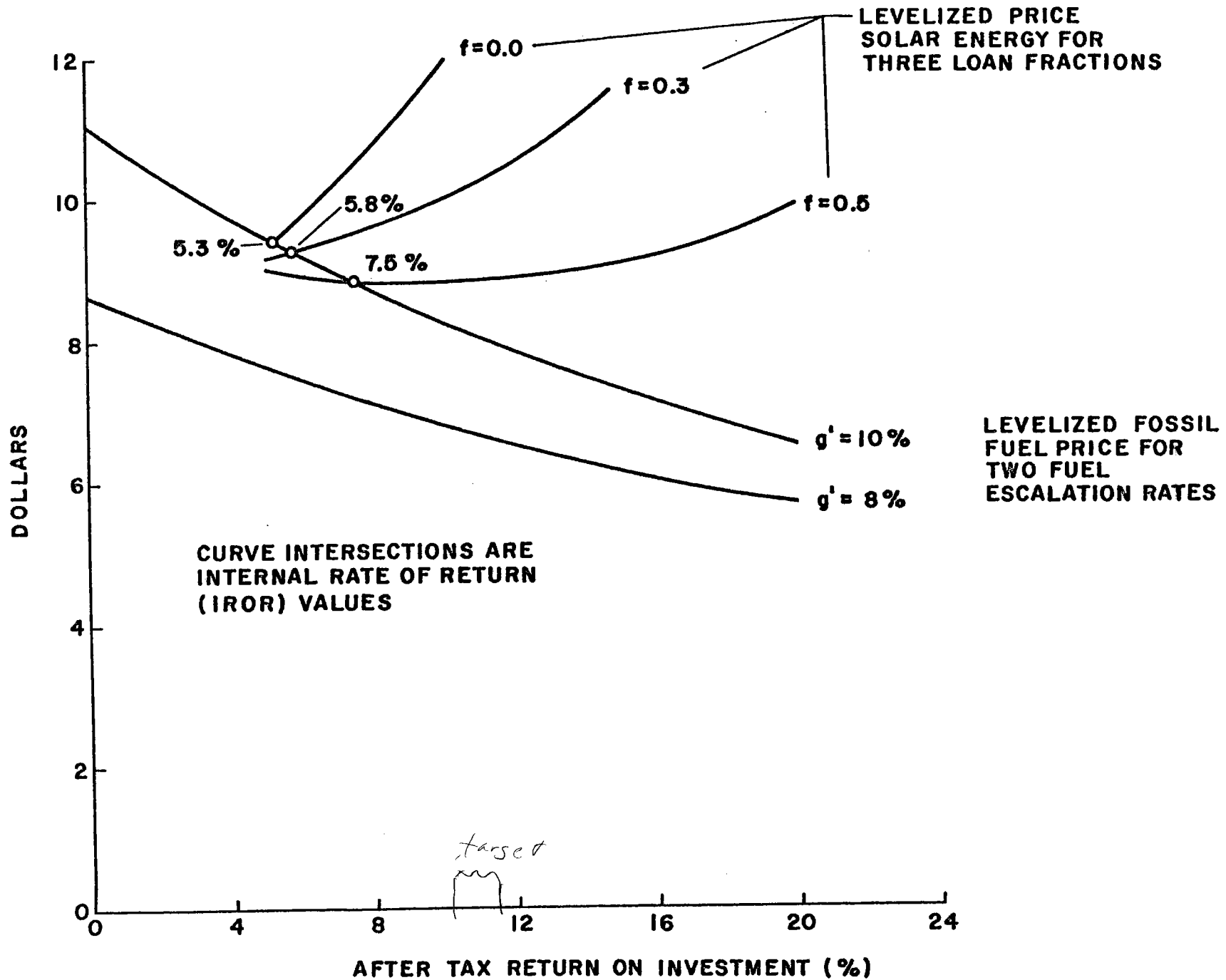


FIGURE 1

For the case of the initial solar system investment (I) equal to the entire solar investment, the internal rate of return is negative.

For economic analysis 1 through 30 the simple payback period, using Dickinson and Brown Variation 3 Methodology⁶ is 19 years. For economic analysis number 31 through 60 the simple payback period is 16 years.

The expected annual fossil fuel savings for the Haverhill solar energy system is 8.48×10^9 BTU per year or 1515 barrels of crude oil or 60,000 gallons of #2 fuel oil per year.

⁶ IBID, pg 25

APPENDIX A

ECONOMIC ANALYSIS OF SOLAR
INDUSTRIAL PROCESS HEAT
COMPUTER PROGRAM LISTING

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C * * * * * JPD00010
C * * * * * JPD00020
C THIS PROGRAM PERFORMS AN ECONOMIC ANALYSIS OF SOLAR INDUSTRIAL JPD00030
C PROCESS HEAT SYSTEMS USING THE METHODOLOGY TO DETERMINE JPD00040
C ANNUAL REQUIRED REVENUE AND INTERNAL RATE OF RETURN PRESENTED BY JPD00050
C BILL DICKINSON AND KEN BROWN IN LAWRENCE LIVERMORE LABORATORY JPD00060
C PUBLICATION UCLR-52814, DATED AUGUST 17, 1979. COMPUTER JPD00070
C PROGRAM JPDEIPH CREATED MAY 2, 1980 BY PHIL DECHOW. JPD00080
C * * * * * JPD00090
C * * * * * JPD00100
C * * * * * JPD00110
C * * * * * JPD00120
C * * * * * JPD00130
C * * * * * JPD00140
C * * * * * JPD00150
C * * * * * JPD00160
C * * * * * JPD00170
C REAL*8 TITLE(20,10),CARD(10),TEMP(1) JPD00180
C REAL*8 SITE(3) JPD00190
C JPD00200
C====> READ IN DATA FILE JPD00210
C JPD00220
C JPD00230
C READ (1,100,END=10)SITE,NDS,NDP,XES,SEF,F,XG,XGCF,SI,NLP,XCR,NYCR,JPD00240
C IN,XOMPIO,PFO,ROI,XSMR,XSV,XTC,XTAU JPD00250
100 FORMAT (3A8/I2/I2/E9.3/F4.2/F4.1/F4.1/F4.1/F8.0/I2/F4.1/I2/I2/ JPD00260
C 1F4.1/F4.1/F4.1/F4.1/F4.1/F4.1) JPD00270
C REWIND 1 JPD00280
C READ(1,101,END=10)((TITLE(I,J),J=1,10),I=1,20) JPD00290
101 FORMAT(10A8) JPD00300
C DO 99 II=1,3 JPD00310
C IF(II.EQ.1)XF=00.0 JPD00320
C IF(II.EQ.2)XF=30.0 JPD00330
C IF(II.EQ.3)XF=50.0 JPD00340
C XROI= -4.9 JPD00350
C DO 99 JJ=1,5 JPD00360
C XROI=XROI+5.0 JPD00370
C IF(JJ.EQ.4)XROI=15.0 JPD00380
C WRITE(2,102) SITE JPD00390
102 FORMAT('1'//28X,3A8) JPD00400
C DO 5 KK=2,20 JPD00410
C CALL CORE(CARD,80) JPD00420
C WRITE(0,70)(TITLE(KK,J),J=3,10),(TITLE(KK,J),J=1,2) JPD00430
70 FORMAT(10A8) JPD00440
C IF(KK.NE.6) GO TO 3 JPD00450
C CALL CORE(TEMP,8) JPD00460
C WRITE(0,80)XF JPD00470
80 FORMAT(F4.1) JPD00480
C CALL MOVE(TEMP,1,CARD,65,4) JPD00490
C GO TO 4 JPD00500
3 IF(KK.NE.16) GO TO 4 JPD00510
C CALL CORE(TEMP,8) JPD00520
C WRITE(0,80)XROI JPD00530
C CALL MOVE(TEMP,1,CARD,65,4) JPD00540
4 CONTINUE JPD00550

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WRITE(2,103) CARD
103 FORMAT(10A8)
5 CONTINUE
WRITE(2,104)
104 FORMAT(/,10X,'*****'/
110X,'* NOTE: G MUST NOT EQUAL ROI */
210X,'* NOTE: GCF MUST NOT EQUAL ROI */
310X,'* NOTE: SMR MUST NOT EQUAL ROI */
410X,'*****')
10 F=XF/100.
G=XG/100.
GCF=XGCF/100.
CR=XCR/100.
OMPIO=XOMPIO/100.
ROI=XROI/100.
SMR=XSMR/100.
SV=XSV/100.
TC=XTC/100.
TAU=XTAU/100.
ES=XES/1000000.
IF(G.NE.ROI) GO TO 20
WRITE(2,105)
105 FORMAT('G.EQ.ROI, DIVIDE CHECK ERROR WILL OCCUR')
20 RPR=((1.+ROI)/(1.+G))-1.
CALL CRF(ROI,NDP,VAL1)
DP=NDP
DEP=(2./(DP*(DP+1.)*ROI))*(DP-(1./VAL1))
CALL CRF(ROI,N,VAL2)
CALL CRF(RPR,N,VAL3)
OMPI=OMPIO*(VAL2/VAL3)
CALL CRF(SMR,NLP,VAL4)
CALL CRF(ROI,NLP,VAL5)
IF(SMR.NE.ROI) GO TO 21
WRITE(2,106)
106 FORMAT('SMR.EQ.ROI, DIVIDE CHECK ERROR WILL OCCUR')
21 RDPR=(1.+ROI)/(1.+SMR)-1.
CALL CRF(RDPR,NLP,VAL6)
TERM1=F*(1.-TAU)*(VAL4/VAL5)
TERM2=((F*TAU)/(1.+SMR))*((VAL4-SMR)/VAL6)
TERM3=CR*(1.-TC-TAU*DEP)*((1.+G)/(1.+ROI))*NYCR
TERM4=SV*((1.+G)/(1.+ROI))*N
XM=OMPI+(VAL2/(1.-TAU))*((1.-F)+TERM1+TERM2-TC/(1.+ROI)-TAU*DEP+TEJ
1RM3-TERM4)
WRITE(2,107) XM
107 FORMAT(/,10X,'M VALUE=',F7,3)
PS=(XM*SI/ES)
WRITE(2,108) PS
108 FORMAT(/,10X,'LEVELIZED PRICE OF SOLAR ENERGY= $',F7.2)
PSE=PS/SEF
WRITE(2,109) PSE
109 FORMAT(/,10X,'LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= $',F7.
12)
TERM5=1.-((1.+GCF)/(1.+ROI))*N
IF(GCF.NE.ROI) GO TO 22
WRITE(2,110)

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```

JPD00560
JPD00570
JPD00580
JPD00590
JPD00600
JPD00610
JPD00620
JPD00630
JPD00640
JPD00650
JPD00660
JPD00670
JPD00680
JPD00690
JPD00700
JPD00710
JPD00720
JPD00730
JPD00740
JPD00750
JPD00760
JPD00770
JPD00780
JPD00790
JPD00800
JPD00810
JPD00820
JPD00830
JPD00840
JPD00850
JPD00860
JPD00870
JPD00880
JPD00890
JPD00900
JPD00910
JPD00920
JPD00930
JPD00940
JPD00950
JPD00960
JPD00970
JPD00980
JPD00990
JPD01000
JPD01010
JPD01020
JPD01030
JPD01040
JPD01050
JPD01060
JPD01070
JPD01080
JPD01090
JPD01100

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```
110 FORMAT( 'GCF.EQ.ROI, DIVIDE CHECK ERROR WILL OCCUR')
22 XLF=VAL2*TERM5*(1.+GCF)/(ROI-GCF)
WRITE(2,111) XLF
111 FORMAT(/,10X,'AUX FUEL PRICE LEVELIZING FACTOR= ',F7.3)
PF=PFO*XLF
WRITE(2,112) PF
112 FORMAT(/,10X,'LEVELIZED PRICE AUX FUEL = $',F7.2)
TERM7=0.0
TERM9=0.0
DO 50 NN=1,50
TERM6=(1.+GCF)**NN
TERM7=TERM7+TERM6
TERM8=(1.+G)**NN
TERM9=TERM9+TERM8
TERM10=(1.-TAU)*SEF*ES*PFO*TERM7/SI
TERM11=(1.-TAU)*OMPIO*TERM9
X1=NN*TAU/N+TERM10-TERM11
X2=1.-TC
IF(X1.GE.X2) GO TO 51
50 CONTINUE
WRITE(2,113)
113 FORMAT(/,10X,'SIMPLE PAYBACK (VERSION 3) GREATER THAN 50 YEARS')
GO TO 99
51 CONTINUE
WRITE(2,114) NN
114 FORMAT(/,10X,'SIMPLE PAYBACK (VERSION 3) =',I5,' YEARS')
99 CONTINUE
STOP
END
SUBROUTINE CRF(R,N,V)
V=R/(1.-(1./(1.+R))**N)
IF(V.GT.0.0) GO TO 11
WRITE(2,200)
200 FORMAT('CRF COMPUTED IN SUBROUTINE CRF IS LE. 0.0')
11 CONTINUE
RETURN
END
```

```
JPD01110
JPD01120
JPD01130
JPD01140
JPD01150
JPD01160
JPD01170
JPD01180
JPD01190
JPD01200
JPD01210
JPD01220
JPD01230
JPD01240
JPD01250
JPD01260
JPD01270
JPD01280
JPD01290
JPD01300
JPD01310
JPD01320
JPD01330
JPD01340
JPD01350
JPD01360
JPD01370
JPD01380
JPD01390
JPD01400
JPD01410
JPD01420
JPD01430
JPD01440
JPD01450
JPD01460
JPD01470
```

APPENDIX B

HAVERHILL SOLAR ENERGY SYSTEM

ECONOMIC ANALYSIS

HVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	0.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	0.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.102

LEVELIZED PRICE OF SOLAR ENERGY= \$ 7.68

LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 7.24

AUX FUEL PRICE LEVELIZING FACTOR= 2.466

LEVELIZED PRICE AUX FUEL = \$ 8.63

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

HAVERRHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	0.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMP10	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	5.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.132

LEVELIZED PRICE OF SOLAR ENERGY= \$ 9.90

LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 9.34

AUX FUEL PRICE LEVELIZING FACTOR= 2.181

LEVELIZED PRICE AUX FUEL = \$ 7.63

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

HAVERTHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	0.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMP	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	10.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.169

LEVELIZED PRICE OF SOLAR ENERGY= \$ 12.66

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 11.94

AUX FUEL PRICE LEVELIZING FACTOR= 1.944

LEVELIZED PRICE AUX FUEL = \$ 6.80

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

HVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
HDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	0.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	15.0
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.216

LEVELIZED PRICE OF SOLAR ENERGY= \$ 16.23

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 15.32

AUX FUEL PRICE LEVELIZING FACTOR= 1.763

LEVELIZED PRICE AUX FUEL = \$ 6.17

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

HAVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	0.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMP10	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	20.0
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.275

LEVELIZED PRICE OF SOLAR ENERGY= \$ 20.61

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 19.44

AUX FUEL PRICE LEVELIZING FACTOR= 1.624

LEVELIZED PRICE AUX FUEL = \$ 5.68

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

HAVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	30.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	0.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.120

LEVELIZED PRICE OF SOLAR ENERGY= \$ 8.99

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 8.48

AUX FUEL PRICE LEVELIZING FACTOR= 2.466

LEVELIZED PRICE AUX FUEL = \$ 8.63

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

HAVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	30.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	5.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.129

LEVELIZED PRICE OF SOLAR ENERGY= \$ 9.70

LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 9.15

AUX FUEL PRICE LEVELIZING FACTOR= 2.181

LEVELIZED PRICE AUX FUEL = \$ 7.63

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

HAVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	30.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	10.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.142

LEVELIZED PRICE OF SOLAR ENERGY= \$ 10.66

LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 10.06

AUX FUEL PRICE LEVELIZING FACTOR= 1.944

LEVELIZED PRICE AUX FUEL = \$ 6.80

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

H A V E R H I L L P O L Y S T Y R E N E

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	30.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	15.0
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.164

LEVELIZED PRICE OF SOLAR ENERGY= \$ 12.28

LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 11.58

AUX FUEL PRICE LEVELIZING FACTOR= 1.763

LEVELIZED PRICE AUX FUEL = \$ 6.17

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

HVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	30.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMP	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	20.0
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.194

LEVELIZED PRICE OF SOLAR ENERGY= \$ 14.53

LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 13.71

AUX FUEL PRICE LEVELIZING FACTOR= 1.624

LEVELIZED PRICE AUX FUEL = \$ 5.68

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

HAVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	50.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	0.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SNR MUST NOT EQUAL ROI *

M VALUE= 0.132

LEVELIZED PRICE OF SOLAR ENERGY= \$ 9.87

LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 9.31

AUX FUEL PRICE LEVELIZING FACTOR= 2.466

LEVELIZED PRICE AUX FUEL = \$ 8.63

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

HVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	50.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	5.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.128

LEVELIZED PRICE OF SOLAR ENERGY= \$ 9.57

LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 9.03

AUX FUEL PRICE LEVELIZING FACTOR= 2.181

LEVELIZED PRICE AUX FUEL = \$ 7.63

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

Haverhill Polystyrene

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	50.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
H	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	10.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.124

LEVELIZED PRICE OF SOLAR ENERGY= \$ 9.33

LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 8.80

AUX FUEL PRICE LEVELIZING FACTOR= 1.944

LEVELIZED PRICE AUX FUEL = \$ 6.80

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

HAVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	50.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	15.0
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.129

LEVELIZED PRICE OF SOLAR ENERGY= \$ 9.64

LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 9.10

AUX FUEL PRICE LEVELIZING FACTOR= 1.763

LEVELIZED PRICE AUX FUEL = \$ 6.17

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

HVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	50.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMP	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	20.0
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.140

LEVELIZED PRICE OF SOLAR ENERGY= \$ 10.48

LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 9.89

AUX FUEL PRICE LEVELIZING FACTOR= 1.624

LEVELIZED PRICE AUX FUEL = \$ 5.68

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

HAVERTHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	0.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMP	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	0.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.113

LEVELIZED PRICE OF SOLAR ENERGY= \$ 8.49

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 8.01

AUX FUEL PRICE LEVELIZING FACTOR= 2.466

LEVELIZED PRICE AUX FUEL = \$ 8.63

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

HAVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	0.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	5.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.148

LEVELIZED PRICE OF SOLAR ENERGY= \$ 11.11

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 10.48

AUX FUEL PRICE LEVELIZING FACTOR= 2.181

LEVELIZED PRICE AUX FUEL = \$ 7.63

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

HAVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	0.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMP10	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	10.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.186

LEVELIZED PRICE OF SOLAR ENERGY= \$ 13.94

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 13.15

AUX FUEL PRICE LEVELIZING FACTOR= 1.944

LEVELIZED PRICE AUX FUEL = \$ 6.80

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

HAVERRHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	0.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	15.0
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.233

LEVELIZED PRICE OF SOLAR ENERGY= \$ 17.46

LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 16.47

AUX FUEL PRICE LEVELIZING FACTOR= 1.763

LEVELIZED PRICE AUX FUEL = \$ 6.17

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

HAVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	0.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPID	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	20.0
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.289

LEVELIZED PRICE OF SOLAR ENERGY= \$ 21.71

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 20.48

AUX FUEL PRICE LEVELIZING FACTOR= 1.624

LEVELIZED PRICE AUX FUEL = \$ 5.68

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

Haverhill Polystyrene

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	30.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMP	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	0.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.131

LEVELIZED PRICE OF SOLAR ENERGY= \$ 9.81

LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 9.25

AUX FUEL PRICE LEVELIZING FACTOR= 2.466

LEVELIZED PRICE AUX FUEL = \$ 8.63

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

HVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	30.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	5.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.146

LEVELIZED PRICE OF SOLAR ENERGY= \$ 10.91

LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 10.30

AUX FUEL PRICE LEVELIZING FACTOR= 2.181

LEVELIZED PRICE AUX FUEL = \$ 7.63

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

HVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	30.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPID	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	10.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.159

LEVELIZED PRICE OF SOLAR ENERGY= \$ 11.94

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 11.26

AUX FUEL PRICE LEVELIZING FACTOR= 1.944

LEVELIZED PRICE AUX FUEL = \$ 6.80

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

HAVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	30.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMP	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	15.0
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.180

LEVELIZED PRICE OF SOLAR ENERGY= \$ 13.50

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 12.74

AUX FUEL PRICE LEVELIZING FACTOR= 1.763

LEVELIZED PRICE AUX FUEL = \$ 6.17

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

HAVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	30.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMP10	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	20.0
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.208

LEVELIZED PRICE OF SOLAR ENERGY= \$ 15.64

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 14.75

AUX FUEL PRICE LEVELIZING FACTOR= 1.624

LEVELIZED PRICE AUX FUEL = \$ 5.68

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

HAVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	50.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	0.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.142

LEVELIZED PRICE OF SOLAR ENERGY= \$ 10.68

LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 10.08

AUX FUEL PRICE LEVELIZING FACTOR= 2.466

LEVELIZED PRICE AUX FUEL = \$ 8.63

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

HVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	50.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPID	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	5.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.144

LEVELIZED PRICE OF SOLAR ENERGY= \$ 10.78

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 10.17

AUX FUEL PRICE LEVELIZING FACTOR= 2.181

LEVELIZED PRICE AUX FUEL = \$ 7.63

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

HVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	50.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMP	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
IO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
PFO	AFTER TAX ROI (PERCENT)	10.1
ROI	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SMR	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
SV	INVESTMENT TAX CREDIT (PERCENT)	20.0
TC	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0
TAU		

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.141

LEVELIZED PRICE OF SOLAR ENERGY= \$ 10.61

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 10.01

AUX FUEL PRICE LEVELIZING FACTOR= 1.944

LEVELIZED PRICE AUX FUEL = \$ 6.80

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

HAVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	50.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPID	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	15.0
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.145

LEVELIZED PRICE OF SOLAR ENERGY= \$ 10.87

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 10.25

AUX FUEL PRICE LEVELIZING FACTOR= 1.763

LEVELIZED PRICE AUX FUEL = \$ 6.17

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

HAVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	50.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	08.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	20.0
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.154

LEVELIZED PRICE OF SOLAR ENERGY= \$ 11.59

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 10.93

AUX FUEL PRICE LEVELIZING FACTOR= 1.624

LEVELIZED PRICE AUX FUEL = \$ 5.68

SIMPLE PAYBACK (VERSION 3) = 19 YEARS

Haverhill Polystyrene

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	0.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	0.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.102

LEVELIZED PRICE OF SOLAR ENERGY= \$ 7.68

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 7.24

AUX FUEL PRICE LEVELIZING FACTOR= 3.142

LEVELIZED PRICE AUX FUEL = \$ 11.00

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

HAVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	0.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
ONPID	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	5.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.132

LEVELIZED PRICE OF SOLAR ENERGY= \$ 9.90

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 9.34

AUX FUEL PRICE LEVELIZING FACTOR= 2.703

LEVELIZED PRICE AUX FUEL = \$ 9.46

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

Haverhill Polystyrene

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	0.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPID	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	10.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.169

LEVELIZED PRICE OF SOLAR ENERGY= \$ 12.66

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 11.94

AUX FUEL PRICE LEVELIZING FACTOR= 2.344

LEVELIZED PRICE AUX FUEL = \$ 8.20

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

HAVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	0.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	15.0
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.216

LEVELIZED PRICE OF SOLAR ENERGY= \$ 16.23

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 15.32

AUX FUEL PRICE LEVELIZING FACTOR= 2.070

LEVELIZED PRICE AUX FUEL = \$ 7.25

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

HVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	0.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMP10	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	20.0
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.275

LEVELIZED PRICE OF SOLAR ENERGY= \$ 20.61

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 19.44

AUX FUEL PRICE LEVELIZING FACTOR= 1.863

LEVELIZED PRICE AUX FUEL = \$ 6.52

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

HVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	30.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	0.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.120

LEVELIZED PRICE OF SOLAR ENERGY= \$ 8.99

LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 8.48

AUX FUEL PRICE LEVELIZING FACTOR= 3.142

LEVELIZED PRICE AUX FUEL = \$ 11.00

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

HVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	30.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	5.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.129

LEVELIZED PRICE OF SOLAR ENERGY= \$ 9.70

LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 9.15

AUX FUEL PRICE LEVELIZING FACTOR= 2.703

LEVELIZED PRICE AUX FUEL = \$ 9.46

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

HVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	30.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	10.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.142

LEVELIZED PRICE OF SOLAR ENERGY= \$ 10.66

LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 10.06

AUX FUEL PRICE LEVELIZING FACTOR= 2.344

LEVELIZED PRICE AUX FUEL = \$ 8.20

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

HVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	30.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMP10	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	15.0
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.164

LEVELIZED PRICE OF SOLAR ENERGY= \$ 12.28

LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 11.58

AUX FUEL PRICE LEVELIZING FACTOR= 2.070

LEVELIZED PRICE AUX FUEL = \$ 7.25

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

HVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	30.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	20.0
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.194

LEVELIZED PRICE OF SOLAR ENERGY= \$ 14.53

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 13.71

AUX FUEL PRICE LEVELIZING FACTOR= 1.863

LEVELIZED PRICE AUX FUEL = \$ 6.52

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

HAVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	50.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMP	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	0.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.132

LEVELIZED PRICE OF SOLAR ENERGY= \$ 9.87

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 9.31

AUX FUEL PRICE LEVELIZING FACTOR= 3.142

LEVELIZED PRICE AUX FUEL = \$ 11.00

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

HVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	50.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
ONPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	5.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.128

LEVELIZED PRICE OF SOLAR ENERGY= \$ 9.57

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 9.03

AUX FUEL PRICE LEVELIZING FACTOR= 2.703

LEVELIZED PRICE AUX FUEL = \$ 9.46

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

HVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	50.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	10.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.124

LEVELIZED PRICE OF SOLAR ENERGY= \$ 9.33

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 8.80

AUX FUEL PRICE LEVELIZING FACTOR= 2.344

LEVELIZED PRICE AUX FUEL = \$ 8.20

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

HAVERTHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	50.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	15.0
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.129

LEVELIZED PRICE OF SOLAR ENERGY= \$ 9.64

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 9.10

AUX FUEL PRICE LEVELIZING FACTOR= 2.070

LEVELIZED PRICE AUX FUEL = \$ 7.25

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

HVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	50.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	00.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	20.0
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.140

LEVELIZED PRICE OF SOLAR ENERGY= \$ 10.48

LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 9.89

AUX FUEL PRICE LEVELIZING FACTOR= 1.863

LEVELIZED PRICE AUX FUEL = \$ 6.52

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

HAVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	0.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	0.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.113

LEVELIZED PRICE OF SOLAR ENERGY= \$ 8.49

LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 8.01

AUX FUEL PRICE LEVELIZING FACTOR= 3.142

LEVELIZED PRICE AUX FUEL = \$ 11.00

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

HVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=5L, 2=50YD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	0.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPID	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	5.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.148

LEVELIZED PRICE OF SOLAR ENERGY= \$ 11.11

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 10.48

AUX FUEL PRICE LEVELIZING FACTOR= 2.703

LEVELIZED PRICE AUX FUEL = \$ 9.46

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

HAVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	0.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMP10	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	10.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.186

LEVELIZED PRICE OF SOLAR ENERGY= \$ 13.94

LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 13.15

AUX FUEL PRICE LEVELIZING FACTOR= 2.344

LEVELIZED PRICE AUX FUEL = \$ 8.20

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

HVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	0.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMP10	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	15.0
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.233

LEVELIZED PRICE OF SOLAR ENERGY= \$ 17.46

LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 16.47

AUX FUEL PRICE LEVELIZING FACTOR= 2.070

LEVELIZED PRICE AUX FUEL = \$ 7.25

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

Haverhill Polystyrene

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	0.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	20.0
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.289

LEVELIZED PRICE OF SOLAR ENERGY= \$ 21.71

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 20.48

AUX FUEL PRICE LEVELIZING FACTOR= 1.863

LEVELIZED PRICE AUX FUEL = \$ 6.52

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

HVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	30.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	0.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.131

LEVELIZED PRICE OF SOLAR ENERGY= \$ 9.81

LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 9.25

AUX FUEL PRICE LEVELIZING FACTOR= 3.142

LEVELIZED PRICE AUX FUEL = \$ 11.00

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

HVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	30.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMP	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	5.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.146

LEVELIZED PRICE OF SOLAR ENERGY= \$ 10.91

LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 10.30

AUX FUEL PRICE LEVELIZING FACTOR= 2.703

LEVELIZED PRICE AUX FUEL = \$ 9.46

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

HAVERTHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	30.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	10.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.159

LEVELIZED PRICE OF SOLAR ENERGY= \$ 11.94

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 11.26

AUX FUEL PRICE LEVELIZING FACTOR= 2.344

LEVELIZED PRICE AUX FUEL = \$ 8.20

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

HAVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	30.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMP10	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	15.0
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.180

LEVELIZED PRICE OF SOLAR ENERGY= \$ 13.50

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 12.74

AUX FUEL PRICE LEVELIZING FACTOR= 2.070

LEVELIZED PRICE AUX FUEL = \$ 7.25

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

HAVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	30.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
ONPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	20.0
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.208

LEVELIZED PRICE OF SOLAR ENERGY= \$ 15.64

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 14.75

AUX FUEL PRICE LEVELIZING FACTOR= 1.863

LEVELIZED PRICE AUX FUEL = \$ 6.52

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

HVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	50.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
HYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	0.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.142

LEVELIZED PRICE OF SOLAR ENERGY= \$ 10.68

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 10.08

AUX FUEL PRICE LEVELIZING FACTOR= 3.142

LEVELIZED PRICE AUX FUEL = \$ 11.00

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

Haverhill Polystyrene

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	50.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	5.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.144

LEVELIZED PRICE OF SOLAR ENERGY= \$ 10.78

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 10.17

AUX FUEL PRICE LEVELIZING FACTOR= 2.703

LEVELIZED PRICE AUX FUEL = \$ 9.46

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

HAVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	50.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMP10	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	10.1
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.141

LEVELIZED PRICE OF SOLAR ENERGY= \$ 10.61

LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 10.01

AUX FUEL PRICE LEVELIZING FACTOR= 2.344

LEVELIZED PRICE AUX FUEL = \$ 8.20

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

HAVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	50.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10.
N	SYSTEM LIFE (YEARS)	20
ONPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	15.0
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.145

LEVELIZED PRICE OF SOLAR ENERGY= \$ 10.87

LEVELIZED PRICE S.E./UNIT OF AUX ENERGY SAVED= \$ 10.25

AUX FUEL PRICE LEVELIZING FACTOR= 2.070

LEVELIZED PRICE AUX FUEL = \$ 7.25

SIMPLE PAYBACK (VERSION 3) = 16 YEARS

HVERHILL POLYSTYRENE

NDS	DEPRECIATION SCHEDULE (1=SL, 2=SOYD)	02
NDP	DEPRECIATION PERIOD (YEARS)	07
ES	ANNUAL SOLAR ENERGY PROVIDED (BTU/YEAR)	8.000E+09
SEF	SOLAR EFFECTIVENESS FACTOR	1.06
F	FRACTION INVESTMENT FINANCED BY LOAN (PERCENT)	50.0
G	GENERAL INFLATION RATE (PERCENT)	06.0
GCF	CONVENTIONAL FUEL ESCALATION RATE (PERCENT)	10.0
SI	SOLAR SYSTEM INITIAL INVESTMENT (DOLLARS)	0600000.
NLP	LOAN PERIOD (YEARS)	20
CR	MAJOR COMPONENT REPL COST (PERCENT OF I.C.)	25.0
NYCR	YEAR MAJOR COMPONENT IS REPLACED (YEAR)	10
N	SYSTEM LIFE (YEARS)	20
OMPIO	AVG OF O,M,PT,I IN ZERO YR \$ (PERCENT OF I.C.)	04.0
PFO	AUX FUEL PRICE IN ZERO YR \$ (\$/MILLION BTU)	03.5
ROI	AFTER TAX ROI (PERCENT)	20.0
SMR	MARKET INTEREST RATE ON LOAN (PERCENT)	09.0
SV	NET SALVAGE VALUE (PERCENT OF I.C.)	00.0
TC	INVESTMENT TAX CREDIT (PERCENT)	20.0
TAU	MARGINAL COMPOSITE TAX RATE (PERCENT)	50.0

 * NOTE: G MUST NOT EQUAL ROI *
 * NOTE: GCF MUST NOT EQUAL ROI *
 * NOTE: SMR MUST NOT EQUAL ROI *

M VALUE= 0.154
 LEVELIZED PRICE OF SOLAR ENERGY= \$ 11.59
 LEVELIZED PRICE S.E/UNIT OF AUX ENERGY SAVED= \$ 10.93
 AUX FUEL PRICE LEVELIZING FACTOR= 1.863
 LEVELIZED PRICE AUX FUEL = \$ 6.52
 SIMPLE PAYBACK (VERSION 3) = 16 YEARS