

Gulf Power Company  
500 Bayfront Parkway  
Post Office Box 1151  
Pensacola FL 32520-0770  
Telephone 904 444-6365

ORIGINAL  
FILE COPY

Jack L. Haskins  
Manager of Rates and Regulatory Matters  
and Assistant Secretary

the southern electric system

May 30, 1990

Mr. Steve Tribble, Director  
Division of Records and Reporting  
Florida Public Service Commission  
101 East Gaines Street  
Tallahassee FL 32399-0870

Dear Mr. Tribble:

RE: 891345-EI

Enclosed are an original and fifteen copies of Gulf Power Company's revised responses to interrogatories and MFRs that are to be filed in the above docket. The revised responses are listed below:

Revised Interrogatory

Item No.

Public Counsel's First	13
Public Counsel's Fourth	255
Staff's First	39
Staff's Third	56
Staff's Third	61

ACK

AFA 3

APP  Revised MFRs Only

CAF

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CMU

C-11 Pages 4-7

CTR

Sincerely,

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DOCUMENT NUMBER-DATE

04773 MAY 31 1990

FPSC-RECORDS/REPORTING

RECEIVED  
FLORIDA PUBLIC  
SERVICE COMMISSION

AFFIDAVIT

STATE OF FLORIDA     )  
                                  )  
COUNTY OF ESCAMBIA    )

Docket No. 891345-E1

BEFORE ME, the undersigned authority, personally appeared Jack L. Haskins, Manager of Rates and Regulatory Matters and Assistant Secretary of Gulf Power Company, and who on behalf of said corporation, being first duly sworn, deposes and says that pursuant to Rule 1.340(a), Florida Rules of Civil Procedure, he verifies that the individuals listed in the original Index to the interrogatories and on the MFRs as originally filed provided answers to the foregoing on behalf of said corporation, and consequently that the foregoing constitute true and correct answers on behalf of the corporation to the best of his knowledge and belief.

GULF POWER COMPANY

By: Jack L. Haskins  
Jack L. Haskins  
Manager of Rates and Regulatory Matters  
and Assistant Secretary

Sworn to and subscribed before me this 30<sup>th</sup> day of  
May, 1990.

Karen M. Bates  
Notary Public, State of Florida at Large

My Commission Expires: My Commission Expires  
July 25, 1990

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

IN RE: Petition of Gulf Power Company )  
for a Rate Increase ) Docket No. 891345-EI  
\_\_\_\_\_ )

Certificate of Service

I HEREBY CERTIFY that a copy of the foregoing has been furnished this 30th day of May, 1990 by U. S. Mail or hand delivery to the following:

Jack Shreve, Esquire  
Public Counsel  
Florida House of Representatives  
The Capitol  
Tallahassee FL 32399-1300

Suzanne Brownless, Esquire  
Florida Public Service Commission  
101 East Gaines Street  
Tallahassee FL 32399-0863

Major Gary A. Enders  
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Tallahassee FL 32032

*fa* Leresa E. Giles 510998  
G. EDISON HOLLAND, JR.  
Florida Bar No. 261599  
JEFFREY A. STONE  
Florida Bar No. 325953  
Beggs & Lane  
P. O. Box 12950  
Pensacola, FL 32576  
904 432-2451  
Attorneys for Gulf Power Company

FLORIDA PUBLIC SERVICE COMMISSION  
 COMPANY: GULF POWER COMPANY  
 DOCKET NO. 891345-E1

EXPLANATION: Provide by rate schedule the number of customers and bills by month for the test year. Also provide by rate schedule the (1) bills and customers for the three years prior to the test year, (2) the percentage increase from the prior year to the test year, and (3) the average annual compound growth rate for the three historic years. Footnote and detail migration between the rate classes. Explain any differences between number of customers and number of bills for any rate schedule. The billing determinants for the test year must agree with those shown in E-16c, E-16d, E-8a and E-12, where applicable. The average number of customers by rate schedule must also be in agreement with the numbers used in the cost of service study allocator of number of customers (unweighted).

Type of Data Shown:  
 Projected Test Year Ended 1990  
 Prior Year Ended 1989  
 Historic Years Ended 1987, 1988  
 Witness: J. T. Kilgore, Jr.

## RATE SCHEDULE

	RS	RST	GS	GST	GSD	GSDT	LP	LPT	PXT	SS	OS I	OS II	OS III	TOTAL RETAIL
1987 TOTAL CUSTOMERS	2,851,948	246	246,206	81	114,173	1,793	1,302	393	48	0	636	37,480	2,963	3,257,269
AVERAGE CUSTOMERS	237,662	21	20,517	7	9,514	149	109	33	4	0	53	3,123	247	271,439
1988 TOTAL CUSTOMERS	2,917,334	228	252,305	84	117,939	1,891	1,287	387	65	1	628	38,656	3,701	3,334,506
AVERAGE CUSTOMERS	243,111	19	21,025	7	9,828	158	107	32	5	0	52	3,221	308	277,876
* 1989 TOTAL CUSTOMERS	2,979,221	216	257,316	89	121,496	2,017	1,251	376	72	18	676	40,367	4,090	3,407,205
AVERAGE CUSTOMERS	248,268	18	21,443	7	10,125	168	104	31	6	2	56	3,364	341	283,934
* - ACTUALS THROUGH AUGUST, 1989														
AVERAGE ANNUAL COMPOUND GROWTH RATE - THREE HISTORIC YEARS														
1988/1987	2.29%	-7.32%	2.48%	3.70%	3.30%	5.47%	-1.15%	-1.53%	35.42%	0.00%	-1.26%	3.14%	24.91%	2.37%
1989/1988	2.12%	-5.26%	1.99%	5.95%	3.02%	6.66%	-2.80%	-2.84%	10.77%	1700.00%	7.64%	4.43%	10.51%	2.18%
1989/1987	2.21%	-6.30%	2.23%	4.82%	3.16%	6.06%	-1.98%	-2.19%	22.47%	0.00%	3.10%	3.78%	17.49%	2.28%
1990 TEST YEAR														
JANUARY	250,132	18	21,611	8	10,215	169	106	32	5	1	56	3,467	353	286,173
FEBRUARY	250,609	18	21,701	8	10,259	169	106	32	5	1	56	3,482	356	286,802
MARCH	251,295	18	21,833	8	10,318	171	106	33	5	1	56	3,502	359	287,705
APRIL	252,015	18	21,938	8	10,361	171	108	33	5	1	56	3,514	364	288,592
MAY	252,866	18	21,994	8	10,388	173	108	33	5	1	56	3,535	368	289,553
JUNE	253,721	18	22,045	8	10,419	173	108	33	5	1	56	3,552	369	290,508
JULY	254,492	18	22,063	8	10,461	173	108	33	5	1	56	3,563	369	291,350
AUGUST	255,117	18	22,104	8	10,499	173	108	33	5	1	56	3,575	370	292,067
SEPTEMBER	255,402	18	22,082	8	10,510	175	108	33	5	1	56	3,593	373	292,364
OCTOBER	255,433	18	22,072	8	10,509	175	109	33	5	1	56	3,607	373	292,399
NOVEMBER	255,430	18	22,073	8	10,526	176	109	33	5	1	56	3,624	375	292,434
DECEMBER	255,585	18	22,084	8	10,516	176	109	33	5	1	56	3,644	375	292,610
1990 TOTAL CUSTOMERS	3,042,097	216	263,600	96	124,981	2,074	1,293	394	60	12	672	42,658	4,404	3,482,557
AVERAGE CUSTOMERS	253,508	18	21,967	8	10,415	173	108	33	5	1	56	3,555	367	290,213
PERCENTAGE INCREASE - TEST YEAR OVER PRIOR YEAR														
1990/1989	2.11%	0.00%	2.44%	7.87%	2.87%	2.83%	3.36%	4.79%	-16.67%	-33.33%	-0.59%	5.68%	7.68%	2.21%

Note: Reflects one customer migrating from rate PXT to rate LPT in January, 1990.

Supporting Schedules:

Recap Schedules:

DOCUMENT NUMBER-DATE:

04773 MAY 31 1990

FPC-RECORDS/REPORTING

FLORIDA PUBLIC SERVICE COMMISSION

EXPLANATION: Provide the calculation of unbilled revenues for the test year, and the prior year if the test year is projected. Document the revenues received in the first month after the test year (and the prior year), the proportion of these revenues allocated to the test year and prior year as unbilled revenues, and the rationale for the proportion chosen.

Type of Data Shown:  
Prior Year Ended 1989

COMPANY: GULF POWER COMPANY

Witness: J. T. Kilgore, Jr.

DOCKET NO. 891345-E1

INDUSTRIAL  
PROJECTED NET UNBILLED REVENUE CALCULATIONS  
1989

Month	(A) Base Rate Billed Revenue (0000s)	(B) Billed Energy (MWh)	(C) Current Month Base Rate (\$/MWh)	(D) Following Month Base Rate (\$/MWh)	(E) Current Month Fuel Factor (\$/MWh)	(F) Following Month Fuel Factor (\$/MWh)	(G) Following Month ECCR Factor (\$/MWh)	(H) Forecasted Accrued Unbilled Energy (MWh)	(I) True-Up To Actual Accrued Unbilled Energy (MWh)	(J) Total Accrued Unbilled Energy (MWh)	(K) Forecasted Net Unbilled Energy (MWh)	(L) Forecasted Accrued Unbilled Base Rate Revenue (0000s)	(M) True-Up Accrued Unbilled Base Rate Revenue (0000s)	(N) Total Accrued Unbilled Base Rate Revenue (0000s)	(O) Accrued Unbilled Fuel Clause Revenue (0000s)	(P) Accrued Unbilled ECCR Revenue (0000s)	(Q) Total Accrued Unbilled Revenue (0000s)	(R) Total Net Unbilled Revenue (0000s)	
January	911	42,354	0.0215	0.0215	0.0236	0.0235	0.00025	12,741		12,741									
February	968	43,535	0.0222	0.0222	0.0235	0.0235	0.00025	15,120		15,120		274		274	380	3	577	(239)	
March	855	40,385	0.0212	0.0212	0.0235	0.0204	0.00040	13,379		13,379		336		336	356	4	696	119	
April	1,037	45,500	0.0228	0.0228	0.0204	0.0204	0.00040	18,461		18,461		204		204	273	5	562	(134)	
May	1,089	48,350	0.0225	0.0225	0.0204	0.0204	0.00040	18,461		18,461		420		420	377	7	804	242	
June	1,199	56,293	0.0213	0.0213	0.0204	0.0204	0.00040	26,993		26,993		653		653	592	12	1,257	452	
July	1,209	54,984	0.0220	0.0220	0.0204	0.0204	0.00040	25,862		25,862		551		551	520	10	1,089	(167)	
August	1,243	59,136	0.0210	0.0210	0.0204	0.0204	0.00040	23,641	(2,268)	21,373		522	(52)	470	436	9	915	(174)	
September	1,211	53,914	0.0225	0.0227	0.0227	0.0227	0.00037	18,687	919	25,378	(5,771)	549	(16)	533	518	10	1,062	147	
October	1,154	51,635	0.0223	0.0232	0.0210	0.0210	0.00037	15,075		15,075	(3,613)	417		417	387	8	812	(266)	
November	1,057	45,559	0.0232	0.0226	0.0213	0.0213	0.00037	15,256		15,256		350		350	311	7	668	(145)	
December	958	42,373	0.0226	0.0204	0.0217	0.0217	0.00037	16,545		16,545	989	338		338	322	7	680	12	
Total	12,891	584,894																8	(144)

Note: January through August represents historical data. Values in columns (A) and (B) do not include illegal usage and Cycle 21 (large account) sales.

Note: DETAIL MAY NOT SUM TO TOTALS DUE TO ROUNDING

Month (n) Derivations

- 1)  $C(n) = A(n) / B(n)$   
Forecasted August  $C(n) = 0.0221$
- 2) Historical  $D(n) = C(n)$   
Forecast  $D(n) = C(n+1)$
- 3) Historical  $F(n) = E(n+1)$   
Forecast  $F(n) = E(n)$  from Financial Planning
- 4) Forecast  $G(n)$  is from Financial Planning
- 5)  $H(n) =$  Forecast based upon actuals thru June
- 6)  $J(n) = M(n) + [I(n)]$   
 $=$  Historicals thru August
- 7)  $K(n) = M(n) - M(n-1)$
- 8)  $L(n) =$  Historical for January thru June  
 $= M(n) * D(n)$   
 $L(n) =$  Forecast for July thru December  
 $= M(n) * [Forecasted C(n+1)]$
- 9)  $R(n) = M(n) - L(n)$
- 10)  $N(n) = J(n) * D(n)$
- 11) Historical  $O(n) = J(n) * F(n)$   
Forecast  $O(n) = O(n-1) + [F(n) * K(n)]$
- 12) Historical  $P(n) = G(n) * J(n)$   
Forecast  $P(n) = P(n-1) + [G(n) * K(n)]$
- 13)  $Q(n) = N(n) * D(n) + P(n)$
- 14) Historical  $R(n) = Q(n) - Q(n-1)$   
Forecast  $R(n) = Q(n) - [Q(n-1) - M(n-1)]$

FLORIDA PUBLIC SERVICE COMMISSION

EXPLANATION: Provide the calculation of unbilled revenues for the test year, and the prior year if the test year is projected. Document the revenues received in the first month after the test year (and the prior year), the proportion of these revenues allocated to the test year and prior year as unbilled revenues, and the rationale for the proportion chosen.

Type of Data Shown:  
Projected Test Year Ended 1990

COMPANY: GULF POWER COMPANY

Witness: J. T. Kilgore, Jr.

DOCKET NO. 891345-E1

RESIDENTIAL

PROJECTED NET UNBILLED REVENUE CALCULATIONS  
1990

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
Month	Base Rate Billed Revenue (\$000s)	Billed Energy (MMH)	Current Month Base Rate (\$/KWH)	Following Month Base Rate (\$/KWH)	Fuel Factor (\$/KWH)	ECCR Factor (\$/KWH)	Accrued Unbilled Energy (MMH)	Net Unbilled Energy (MMH)	Accrued Unbilled Base Rate Revenue (\$000s)	Accrued Unbilled Fuel Clause Revenue (\$000s)	Accrued Unbilled ECCR Revenue (\$000s)	Total Accrued Unbilled Revenue (\$000s)	Total Net Unbilled Revenue (\$000s)
January	11,834	324,097	0.0365	0.0376	0.02167	0.00038	110,945	11,884	4,168	2,158	44	6,370	813
February	10,084	268,416	0.0376	0.0385	0.02080	0.00053	72,123	(38,822)	2,774	1,351	23	4,148	(2,222)
March	9,029	234,722	0.0385	0.0400	0.02115	0.00047	65,951	(6,172)	2,639	1,220	20	3,879	(269)
April	7,712	192,737	0.0400	0.0399	0.02169	0.00025	59,009	(6,942)	2,353	1,069	19	3,441	(438)
May	7,843	196,704	0.0399	0.0426	0.02193	0.00019	98,942	39,933	4,220	1,945	26	6,191	2,750
June	12,822	300,660	0.0426	0.0418	0.02215	0.00017	148,528	49,586	6,203	3,043	34	9,281	3,091
July	15,006	359,281	0.0418	0.0416	0.02257	0.00015	167,191	18,663	6,947	3,465	37	10,449	1,168
August	15,693	377,653	0.0416	0.0417	0.02278	0.00016	172,401	5,210	7,185	3,583	38	10,806	357
September	15,339	368,050	0.0417	0.0381	0.02283	0.00017	123,607	(48,793)	4,708	2,469	30	7,207	(3,599)
October	9,619	252,528	0.0381	0.0397	0.02265	0.00020	80,185	(43,422)	3,182	1,485	21	4,689	(2,519)
November	8,080	203,625	0.0397	0.0380	0.02257	0.00021	74,501	(5,685)	2,828	1,357	20	4,205	(484)
December	9,797	258,109	0.0380	0.0365	0.02267	0.00018	107,381	32,881	3,923	2,102	26	6,051	1,846
Total	132,857	3,336,582						8,320					495
1991													
January	12,106	331,343	0.0365	0.0376	0.02276	0.00020	120,360	12,978	4,526	2,398	28	6,952	900

Note: DETAIL MAY NOT SUM TO TOTALS DUE TO ROUNDING

Month (n) Derivations

- 1) C(n) = A(n) / B(n)
- 2) D(n) = C(n-1)
- 3) E(n) is from Financial Planning
- 4) F(n) is from Financial Planning
- 5) G(n) = Forecast based upon actuals thru June
- 6) H(n) = G(n) - G(n-1)
- 7) I(n) = G(n) \* D(n)
- 8) J(n) = J(n-1) + [ H(n) \* E(n) ]
- 9) K(n) = K(n-1) + [ H(n) \* F(n) ]
- 10) L(n) = I(n) + J(n) + K(n)
- 11) M(n) = L(n) - L(n-1)

FLORIDA PUBLIC SERVICE COMMISSION

EXPLANATION: Provide the calculation of unbilled revenues for the test year, and the prior year if the test year is projected. Document the revenues received in the first month after the test year (and the prior year), the proportion of these revenues allocated to the test year and prior year as unbilled revenues, and the rationale for the proportion chosen.

Type of Data Shown:  
Projected Test Year Ended 1990

COMPANY: GULF POWER COMPANY

DOCKET NO. 891345-E1

Witness: J. T. Kilgore, Jr.

COMMERCIAL

PROJECTED NET UNBILLED REVENUE CALCULATIONS  
1990

Month	(A) Base Rate Billed Revenue (\$000s)	(B) Billed Energy (MMH)	(C) Current Month Base Rate (\$/KWH)	(D) Following Month Base Rate (\$/KWH)	(E) Fuel Factor (\$/KWH)	(F) ECCR Factor (\$/KWH)	(G) Accrued Unbilled Energy (MMH)	(H) Net Unbilled Energy (MMH)	(I) Accrued Unbilled Base Rate Revenue (\$000s)	(J) Accrued Unbilled Fuel Clause Revenue (\$000s)	(K) Accrued Unbilled ECCR Revenue (\$000s)	(L) Total Accrued Unbilled Revenue (\$000s)	(M) Total Net Unbilled Revenue (\$000s)
January	5,773	166,131	0.0347	0.0368	0.02167	0.00038	56,870	(4,785)	2,092	1,113	23	3,229	(156)
February	5,645	153,434	0.0368	0.0371	0.02080	0.00053	41,228	(15,643)	1,529	788	15	2,332	(897)
March	5,561	149,950	0.0371	0.0359	0.02115	0.00047	42,132	905	1,513	807	15	2,335	4
April	5,545	154,386	0.0359	0.0340	0.02169	0.00025	47,267	5,135	1,609	918	17	2,543	208
May	5,849	171,859	0.0340	0.0316	0.02193	0.00019	86,445	39,178	2,734	1,777	24	4,535	1,992
June	6,788	214,621	0.0316	0.0304	0.02215	0.00017	106,024	19,580	3,218	2,211	27	5,456	921
July	6,756	222,564	0.0304	0.0308	0.02257	0.00015	103,570	(2,455)	3,188	2,156	27	5,370	(86)
August	6,907	224,413	0.0308	0.0309	0.02278	0.00016	102,446	(1,124)	3,165	2,130	27	5,321	(49)
September	7,126	230,687	0.0309	0.0330	0.02283	0.00017	77,475	(24,971)	2,553	1,560	23	4,135	(1,186)
October	6,175	187,378	0.0330	0.0354	0.02265	0.00020	59,498	(17,976)	2,108	1,153	19	3,280	(856)
November	5,613	158,413	0.0354	0.0352	0.02257	0.00021	57,959	(1,540)	2,038	1,118	19	3,174	(106)
December	5,626	160,017	0.0352	0.0349	0.02267	0.00018	66,572	8,613	2,320	1,313	20	3,653	479
Total	73,363	2,193,853						4,916					269
1991													
January	5,949	170,677	0.0349	0.0369	0.02276	0.00020	61,998	(4,574)	2,287	1,209	19	3,515	(138)

Note: Values in columns (A) and (B) do not include sales to SS customers.

Note: DETAIL MAY NOT SUM TO TOTALS DUE TO ROUNDING

Month (n) Derivations

- 1) C(n) = A(n) / B(n)
- 2) D(n) = C(n+1)
- 3) E(n) is from Financial Planning
- 4) F(n) is from Financial Planning
- 5) G(n) = Forecast based upon actuals thru June
- 6) H(n) = G(n) - G(n-1)
- 7) I(n) = G(n) \* D(n)
- 8) J(n) = J(n-1) + [ H(n) \* E(n) ]
- 9) K(n) = K(n-1) + [ H(n) \* F(n) ]
- 10) L(n) = I(n) + J(n) + K(n)
- 11) M(n) = L(n) - L(n-1)

FLORIDA PUBLIC SERVICE COMMISSION

EXPLANATION: Provide the calculation of unbilled revenues for the test year, and the prior year if the test year is projected. Document the revenues received in the first month after the test year (and the prior year), the proportion of these revenues allocated to the test year and prior year as unbilled revenues, and the rationale for the proportion chosen.

Type of Data Shown:

Projected Test Year Ended 1990

COMPANY: GULF POWER COMPANY

DOCKET NO. 891345-EI

Witness: J. T. Kilgore, Jr.

## INDUSTRIAL

PROJECTED NET UNBILLED REVENUE CALCULATIONS  
1990

Month	(A) Base Rate Billed Revenue (\$000s)	(B) Billed Energy (MMH)	(C) Current Month Base Rate (\$/KWH)	(D) Following Month Base Rate (\$/KWH)	(E) Fuel Factor (\$/KWH)	(F) ECCR Factor (\$/KWH)	(G) Accrued Unbilled Energy (MMH)	(H) Net Unbilled Energy (MMH)	(I) Accrued Unbilled Base Rate Revenue (\$000s)	(J) Accrued Unbilled Fuel Clause Revenue (\$000s)	(K) Accrued Unbilled ECCR Revenue (\$000s)	(L) Total Accrued Unbilled Revenue (\$000s)	(M) Total Net Unbilled Revenue (\$000s)
January	964	47,240	0.0204	0.0215	0.02167	0.00038	16,171	(374)	348	335	7	691	2
February	930	43,154	0.0215	0.0215	0.02080	0.00053	11,595	(4,576)	250	240	5	494	(196)
March	947	43,975	0.0215	0.0218	0.02115	0.00047	12,356	761	269	256	5	530	36
April	1,018	46,692	0.0218	0.0235	0.02169	0.00025	14,295	1,939	335	298	5	639	109
May	1,170	49,858	0.0235	0.0227	0.02193	0.00019	25,078	10,783	570	534	8	1,112	473
June	1,239	54,491	0.0227	0.0213	0.02215	0.00017	26,919	1,841	573	575	8	1,156	44
July	1,288	60,471	0.0213	0.0219	0.02257	0.00015	28,140	1,221	617	603	8	1,228	72
August	1,308	59,618	0.0219	0.0216	0.02278	0.00016	27,216	(924)	589	582	8	1,179	(50)
September	1,303	60,207	0.0216	0.0232	0.02283	0.00017	20,220	(6,996)	469	422	7	898	(281)
October	1,202	51,779	0.0232	0.0232	0.02265	0.00020	16,441	(3,779)	381	336	6	724	(174)
November	1,111	47,884	0.0232	0.0218	0.02257	0.00021	17,519	1,078	381	361	6	748	24
December	1,014	46,609	0.0218	0.0216	0.02267	0.00018	19,391	1,872	418	403	7	828	80
Total	13,492	611,977						2,846					140
1991													
January	1,089	50,454	0.0216	0.0222	0.02276	0.00020	18,327	(1,064)	406	379	6	792	(37)

Note: Values in columns (A) and (B) do not include Cycle 21 (large account) sales.

Note: DETAIL MAY NOT SUM TO TOTALS DUE TO ROUNDING

## Month (n) Derivations

- |                                    |   |                                    |
|------------------------------------|---|------------------------------------|
| 1) C(n) = A(n) / B(n)              | 5) G(n) = Forecast based upon actuals thru June | 9) K(n) = K(n-1) + [ M(n) * F(n) ] |
| 2) D(n) = C(n+1)                   | 6) H(n) = G(n) - G(n-1)                         | 10) L(n) = I(n) + J(n) + K(n)      |
| 3) E(n) is from Financial Planning | 7) I(n) = G(n) * D(n)                           | 11) M(n) = L(n) - L(n-1)           |
| 4) F(n) is from Financial Planning | 8) J(n) = J(n-1) + [ H(n) * E(n) ]              |                                    |

Supporting Schedules:

Recap Schedules: