U.S. NAVAL ACADEMY 30-Aug-95
ANNAPOLIS, MD

ACTIVITY ENERGY AND DEMAND CALUCTIONS

1995	FROM CONTRACT DEMAND CHARGE PER KW	ENERGY GROSS CHARGE PER KWH
WINTER	$/KW	$/KWH
ON-PEAK	8.32	0.023600
IMMED		0.021400
OFF-PEAK		0.012770
SUMMER		
ON-PEAK	14.42	0.038930
IMMED		0.028450
OFF-PEAK		0.015710
LATEST FUEL ADJUSTMENT CHARGE		0.012960
CONSERVATION SURCHARGE		0.000470
ELECTRIC ENVIRONMENTAL SURCHARGE		0.000150

WINTER 6 HOLIDAYS AS OFF PEAK, 2 ARE FLOATERS.
SATURDAY HOLIDAYS, CHRISTMAS DAY AND
NEW YEARS DAY - 3 TIMES EACH IN 32 YEARS.
1976 THRU 2007

SUMMER 2 HOLIDAY AS OFF PEAK, 1 IS A FLOATER.
SATURDAY HOLIDAYS, 4TH OF JULY WAS
NEVER ON SATURDAY IN 32 YEARS.
1976 THRU 2007

WINTER WEEKDAY DAYS (243 DAYS - 76 WEEKEND DAYS = 167 DAYS)								ENERGY COST	
ON-PEAK	4	HRS/DAY	167	DAYS/WINTER =	668	HRS/WINTER		0.037180	$/KWH
IMMED	6	HRS/DAY	167	DAYS/WINTER =	1002	HRS/WINTER		0.034980	$/KWH
ON-PEAK	4	HRS/DAY	167	DAYS/WINTER =	668	HRS/WINTER			
OFF-PEAK	10	HRS/DAY	167	DAYS/WINTER =	1670	HRS/WINTER		0.026350	$/KWH
WINTER WEEKEND DAYS (35 WEEKENDS + 6 HOLIDAYS = 76 DAYS)									
OFF-PEAK	24	HRS/DAY	76	DAYS/WINTER =	1824	HRS/WINTER			
					5832				

SUMMER WEEKDAY DAYS (122 DAYS - 36 WEEKEND DAYS = 86 DAYS)								ENERGY COST	
IMMED	3	HRS/DAY	86	DAYS/SUMMER =	258	HRS/SUMMER			
ON-PEAK	10	HRS/DAY	86	DAYS/SUMMER =	860	HRS/SUMMER		0.052510	$/KWH
IMMED	3	HRS/DAY	86	DAYS/SUMMER =	258	HRS/SUMMER		0.042030	$/KWH
OFF-PEAK	8	HRS/DAY	86	DAYS/SUMMER =	688	HRS/SUMMER		0.029290	$/KWH
SUMMER WEEKEND DAYS (17 WEEKENDS + 2 HOLIDAYS = 36 DAYS)									
OFF-PEAK	24	HRS/DAY	36	DAYS/SUMMER =	864	HRS/SUMMER			
					2928				
					8760				

ENERGY COST WINTER ON-PEAK

ENERGY COST = KWH COST	+ ELECT. ENVIR.SURCHG.	+FUEL ADJUSTMENT COST	+ CONSERV. SURCHG.
$ / KWH	$ / KWH	$ / KWH	$ / KWH
########	0.023600	########	0.012960	0.000470

MBTU CALCULATIONS:

MBTU'S SAVED WINTER ON-PEAK	KWH	÷ KWH/MBTU	= MBTU
	1000	293	3.413

MBTU COST WINTER ON-PEAK	$/KWH	* KWH/MBTU	= $/MBTU
	0.037180	293	10.89

BUILDING HOURS OF OPERATIONS

BUILDING:	HOURS:	
ADMIN. BLDG.	0630 - 1700	M - F
WARD HALL		
SAMPSON HALL		
MAHAN HALL		
LUCE HALL		
DAHLGREN HALL	0700 - 1800	M - F
PERRY HALL	0600 - 1800	M - F
LEJUENE HALL	0630 - 1900	M - F
	0800 - 1500	S - S
NAVAL MED. CTR.	0700 - 1600	M - F

REBATE: LESSER OF20% OF JOB COST OR $200 / DEFERRED KW.

TOTAL CONTRACT PRICE	
20% OF CONTRACT PRICI	0.20
REBATE	
DEFERRED KW	463.40
$200 / DEFERRED KW	$200
REBATE	$92,680

REBATE =

NAVSURFWARCEN, CARDEROCK DIV 30-AUG-95
BETHSADA, MD

ACTIVITY ENERGY AND DEMAND CALUCTIONS

1994	FROM CONTRACT DEMAND CHARGE PER KW	ENERGY GROSS CHARGE PER KWH
WINTER	$/KW	$/KWH
ON-PEAK	4.15	0.024470
IMMED		0.018850
OFF-PEAK		0.006070
SUMMER		
ON-PEAK	14.20	0.033140
IMMED		0.026400
OFF-PEAK		0.010510
DEMAND-SIDE MANAGEMENT SURCHAGE		0.001326
LATEST FUEL ADJUSTMENT CHARGE		0.019569
MONTGOMERY CO. ENERGY TAX		0.004694
MD. ENVIRONMENTAL SURCHARGE		0.000170

12 HOURS PER DAY, 5 DAYS PER WEEK, 50 WEEKS PER GT-3B

WINTER WEEKDAY DAYS (212 DAYS - 68 WEEKEND DAYS = 144 DAYS)							ENERGY COST	
OFF-PEAK	2	HRS/DAY	144	DAYS/WINTER =	288	HRS/WINTER	0.031090	$/KWH
IMMED	4	HRS/DAY	144	DAYS/WINTER =	576	HRS/WINTER	0.042592	$/KWH
ON-PEAK	6	HRS/DAY	144	DAYS/WINTER =	864	HRS/WINTER	0.047650	$/KWH
ON-PEAK	2	HRS/DAY	144	DAYS/WINTER =	288	HRS/WINTER		
IMMED	4	HRS/DAY	144	DAYS/WINTER =	576	HRS/WINTER		
OFF-PEAK	6	HRS/DAY	144	DAYS/WINTER =	864	HRS/WINTER		

WINTER WEEKEND DAYS (30 WEEKENDS + 8 HOLIDAYS = 68 DAYS)						
OFF-PEAK	24	HRS/DAY	68	DAYS/WINTER =	1632	HRS/WINTER

SUMMER WEEKDAY DAYS (153 DAYS - 47 WEEKEND DAYS = 106 DAYS)							ENERGY COST	
OFF-PEAK	2	HRS/DAY	168	DAYS/SUMMER =	336	HRS/SUMMER	0.035678	$/KWH
IMMED	4	HRS/DAY	168	DAYS/SUMMER =	672	HRS/SUMMER	0.049387	$/KWH
ON-PEAK	6	HRS/DAY	168	DAYS/SUMMER =	1008	HRS/SUMMER	0.055453	$/KWH
ON-PEAK	2	HRS/DAY	168	DAYS/SUMMER =	336	HRS/SUMMER		
IMMED	4	HRS/DAY	168	DAYS/SUMMER =	672	HRS/SUMMER		
OFF-PEAK	6	HRS/DAY	168	DAYS/SUMMER =	1008	HRS/SUMMER		

SUMMER WEEKEND DAYS (22 WEEKENDS + 3 HOLIDAYS = 47 DAYS)						
OFF-PEAK	24	HRS/DAY	47	DAYS/SUMMER =	1128	HRS/SUMMER

ENERGY COST WINTER ON-PEAK

ENERGY COST = .9*(KWH COST	+ DEMAND SIDE MANAGE)+FUEL ADJUSTMENT COST+	COUNTY ENERGY TAX +	MD. ENVIR. SURCHG.
$ / KWH	$ / KWH	$ / KWH	$ / KWH
########	0.90 0.024470 ########	0.019569 0.004694	########

MBTU CALCULATIONS:

MBTU'S SAVED WINTER ON-PEAK	KWH	÷ KWH/MBTU	= MBTU
	1000	293	3.413

MBTU COST WINTER ON-PEAK	$/KWH	* KWH/MBTU	= $/MBTU
	0.047650	293	13.96

Camp David 11-NOV-94
THURMONT, MD

ACTIVITY ENERGY AND DEMAND CALULATIONS

ENERGY

$0.01194 GROSS CHARGE PER KWH (FROM CONTRACT)

DEMAND

$10.79 CHARGE PER KW PER MONTH (FROM CONTRACT includes voltage discount)
$0.40 PER REACTIVE KVA MINUS 25% KW DEMAND PER MONTH (ie RKVA - .25 * KW)

NAVAL STATION, ROTA 14-MAR-95
ROTA, SPAIN

MONTHS IN SEASON
WINTER
SUMMER

BUDGET EXCHANGE RATE 1 OCT 9 ###### PTAS/$1.00

CONTRACT DATE JAN 95

	DEMAND CHARGE		ENERGY GROSS CHARGE		NET ENERGY COST	TIME OF PERIOD
WINTER	$/KW	p/KW	$/KWH	p/KWH	$/KWH	HOURS
PEAK	4.65		0.142736		0.109622	1700 - 2300
FLAT	4.65	688.00	0.071368	10.13	0.054811	0800 - 1700
FLAT	4.65		0.071368		0.054811	2300 - 2400
VALLEY			0.040680		0.031242	0000 - 0800
WINTER WEEKENDS AND SPANISH HOLIDAYS						
VALLEY			0.040680		0.031242	0000 - 2400
SUMMER						
PEAK	4.65		0.142736		0.112362	1200 - 1600
PEAK	4.65		0.142736		0.112362	1800 - 2000
FLAT	4.65	688.00	0.071368	10.13	0.056181	0800 - 1200
FLAT	4.65		0.071368		0.056181	1600 - 1800
FLAT	4.65		0.071368		0.056181	2000 - 2400
VALLEY			0.040680		0.032023	0000 - 0800
SUMMER WEEKENDS AND SPANISH HOLIDAYS						
VALLEY			0.040680		0.032023	0000 - 2400

POWER FACTOR CREDIT	4%	0.960000
WINTER T. O. U. CREDIT	20%	0.800000
SUMMER T. O. U. CREDIT	18%	0.820000

12 HOURS PER DAY, 5 DAYS PER WEEK, 50 WEEKS PER YEAR

WINTER WEEKDAY DAYS (212 DAYS - 68 WEEKEND DAYS - 6 SPANISH DAYS = 138 DAYS)

VALLEY	2	HRS/DAY	138	DAYS/WINTER	276	HRS/WINTER
FLAT	9	HRS/DAY	138	DAYS/WINTER	1242	HRS/WINTER
PEAK	1	HRS/DAY	138	DAYS/WINTER	138	HRS/WINTER
PEAK	5	HRS/DAY	138	DAYS/WINTER	690	HRS/WINTER
FLAT	1	HRS/DAY	138	DAYS/WINTER	138	HRS/WINTER
VALLEY	6	HRS/DAY	138	DAYS/WINTER	828	HRS/WINTER
VALLEY	12	HRS/DAY	6	DAYS/WINTER	72	HRS/WINTER
VALLEY	12	HRS/DAY	6	DAYS/WINTER	72	HRS/WINTER

WINTER WEEKEND DAYS (30.5 WEEKENDS + 7 HOLIDAYS = 68 DAYS)

VALLEY	24	HRS/DAY	68	DAYS/WINTER	1632	HRS/WINTER
					5088	

SUMMER WEEKDAY DAYS (153 DAYS - 46 WEEKEND DAYS - 4 SPANNISH DAYS = 103 DAYS)

VALLEY	2	HRS/DAY	103	DAYS/SUMMER	206	HRS/SUMMER
FLAT	4	HRS/DAY	103	DAYS/SUMMER	412	HRS/SUMMER
PEAK	4	HRS/DAY	103	DAYS/SUMMER	412	HRS/SUMMER
FLAT	2	HRS/DAY	103	DAYS/SUMMER	206	HRS/SUMMER
PEAK	2	HRS/DAY	103	DAYS/SUMMER	206	HRS/SUMMER
FLAT	4	HRS/DAY	103	DAYS/SUMMER	412	HRS/SUMMER
VALLEY	6	HRS/DAY	103	DAYS/SUMMER	618	HRS/SUMMER
VALLEY	12	HRS/DAY	4	DAYS/SUMMER	48	HRS/SUMMER
VALLEY	12	HRS/DAY	4	DAYS/SUMMER	48	HRS/SUMMER

SUMMER WEEKEND DAYS (21.5 WEEKENDS + 3 HOLIDAYS = 46 DAYS)

VALLEY	24	HRS/DAY	46	DAYS/SUMMER	1104	HRS/SUMMER
					3672	
					8760	

ENERGY COST WINTER ON-PEAK

ENERGY COST = KWH COST	* POWER FACTOR CREDIT	* T. O. U. CREDIT (WINTER)
$ / KWH =	$ / KWH	.F. CREDI * WIN. TOU CREDIT
########	0.142736	######## 0.800000

DEMAND COST WINTER ON-PEAK

DEMAND COST = KW COST	* POWER FACTOR CREDIT	
$ / KW =	$ / KW	*.F. CREDI
4.47	4.65	########

MBTU CALCULATIONS:

MBTU'S SAVED

MBTU =	WINTER ON-PEA	KWH ÷	KWH/MBTU
3.413	1000	293	

MBTU COST

$/MBTU =	WINTER ON-PEA	$/KWH	* KWH/MBTU
32.12		0.109622	293

U.S. NAVAL DISTRICT, WASHINGTON 30-AUG-95
WASHINGTON, DC

ACTIVITY ENERGY AND DEMAND CALUCTIONS

1994	FROM CONTRACT DEMAND CHARGE PER KW	ENERGY GROSS CHARGE PER KWH
WINTER	$/KW	$/KWH
ON-PEAK	6.65	0.047060
IMMED		0.040640
OFF-PEAK		0.030880
SUMMER		
ON-PEAK	17.25	0.056880
IMMED		0.041440
OFF-PEAK		0.028740
LATEST FUEL ADJUSTMENT CHARGE		0.015762

12 HOURS PER DAY, 5 DAYS PER WEEK, 50 WEEKS PER GT-3A

WINTER WEEKDAY DAYS (212 DAYS - 68 WEEKEND DAYS = 144 DAYS)							ENERGY COST	
OFF-PEAK	2	HRS/DAY	144	DAYS/WINTER =	288	HRS/WINTER	0.045098	$/KWH
IMMED	4	HRS/DAY	144	DAYS/WINTER =	576	HRS/WINTER	0.054370	$/KWH
ON-PEAK	6	HRS/DAY	144	DAYS/WINTER =	864	HRS/WINTER	0.060469	$/KWH
ON-PEAK	2	HRS/DAY	144	DAYS/WINTER =	288	HRS/WINTER		
IMMED	4	HRS/DAY	144	DAYS/WINTER =	576	HRS/WINTER		
OFF-PEAK	6	HRS/DAY	144	DAYS/WINTER =	864	HRS/WINTER		

WINTER WEEKEND DAYS (30 WEEKENDS + 8 HOLIDAYS = 68 DAYS)						
OFF-PEAK	24	HRS/DAY	68	DAYS/WINTER =	1632	HRS/WINTER

SUMMER WEEKDAY DAYS (153 DAYS - 47 WEEKEND DAYS = 106 DAYS)							ENERGY COST	
OFF-PEAK	2	HRS/DAY	168	DAYS/SUMMER =	336	HRS/SUMMER	0.043065	$/KWH
IMMED	4	HRS/DAY	168	DAYS/SUMMER =	672	HRS/SUMMER	0.055130	$/KWH
ON-PEAK	6	HRS/DAY	168	DAYS/SUMMER =	1008	HRS/SUMMER	0.069798	$/KWH
ON-PEAK	2	HRS/DAY	168	DAYS/SUMMER =	336	HRS/SUMMER		
IMMED	4	HRS/DAY	168	DAYS/SUMMER =	672	HRS/SUMMER		
OFF-PEAK	6	HRS/DAY	168	DAYS/SUMMER =	1008	HRS/SUMMER		

SUMMER WEEKEND DAYS (22 WEEKENDS + 3 HOLIDAYS = 47 DAYS)						
OFF-PEAK	24	HRS/DAY	47	DAYS/SUMMER =	1128	HRS/SUMMER

ENERGY COST WINTER ON-PEAK

ENERGY COST =		.95*(KWH COST)+FUEL ADJUSTMENT COST	
$ / KWH		$ / KWH	$ / KWH
########	0.95	0.047060	########

MBTU CALCULATIONS:

MBTU'S SAVED	WINTER ON-PEAK	KWH	÷	KWH/MBTU	=	MBTU
		1000		293		3.413

MBTU COST	WINTER ON-PEAK	$/KWH	*	KWH/MBTU	= $/MBTU
		0.060469		293	17.72

NAVAL SURFACE WARFARE CTR, INDIAN HEAD 09-DEC-94
INDIAN HEAD, MD

ACTIVITY ENERGY AND DEMAND CALUCTIONS

1994	FROM CONTRACT DEMAND CHARGE PER KW	ENERGY GROSS CHARGE PER KWH
WINTER	$/KW	$/KWH
ON-PEAK	4.15	0.024470
IMMED		0.018850
OFF-PEAK		0.006070
SUMMER		
ON-PEAK	14.20	0.033140
IMMED		0.026400
OFF-PEAK		0.010510
LATEST FUEL ADJUSTMENT CHARGE		0.019569
MD. ENVIRONMENTAL SURCHARGE		0.000170
DEMAND-SIDE MANAGEMENT SURCHAGE		0.001326

12 HOURS PER DAY, 5 DAYS PER WEEK, 50 WEEKS PER GT-3B

NAVAL AIR STATION BRUNSWICK 10-MAR-94
BRUNSWICK, ME

ACTIVITY ENERGY AND DEMAND CALUCTIONS

1994	FROM CONTRACT DEMAND CHARGE PER KW	ENERGY GROSS CHARGE PER KWH
WINTER	$/KW	$/KWH
ON-PEAK	10.94	0.070955
SHOULDER	2.23	0.067359
OFF-PEAK		0.056835
SUMMER		
ON-PEAK	2.10	0.056047
SHOULDER	0.36	0.055498
OFF-PEAK		0.049813

LATEST FUEL ADJUSTMENT CHARGE 0.002583

WINTER WEEKDAY DAYS (121 DAYS - 38 WEEKEND DAYS)							ENERGY COST	
ON-PEAK	5 HRS/DAY	83	DAYS/WINTER =	415	HRS/WINTER	0.073538	$/KWH
SHOULDER	4 HRS/DAY	83	DAYS/WINTER =	332	HRS/WINTER	0.069942	$/KWH
ON-PEAK	1 HRS/DAY	83	DAYS/WINTER =	83	HRS/WINTER		
ON-PEAK	3 HRS/DAY	83	DAYS/WINTER =	249	HRS/WINTER		
OFF-PEAK	11 HRS/DAY	83	DAYS/WINTER =	913	HRS/WINTER	0.059418	$/KWH

WINTER WEEKEND DAYS (17 WEEKENDS + 4 HOLIDAYS = 38 DAYS)					
SHOULDER	9 HRS/DAY	38	DAYS/WINTER =	342	HRS/WINTER
OFF-PEAK	15 HRS/DAY	38	DAYS/WINTER =	570	HRS/WINTER

SUMMER WEEKDAY DAYS (244 DAYS - 76 WEEKEND DAYS)							ENERGY COST	
ON-PEAK	5 HRS/DAY	168	DAYS/SUMMER =	840	HRS/SUMMER	0.058630	$/KWH
SHOULDER	4 HRS/DAY	168	DAYS/SUMMER =	672	HRS/SUMMER	0.058081	$/KWH
ON-PEAK	1 HRS/DAY	168	DAYS/SUMMER =	168	HRS/SUMMER		
ON-PEAK	4 HRS/DAY	168	DAYS/SUMMER =	672	HRS/SUMMER		
OFF-PEAK	11 HRS/DAY	168	DAYS/SUMMER =	1848	HRS/SUMMER	0.052396	$/KWH

SUMMER WEEKEND DAYS (35 WEEKENDS + 6 HOLIDAYS = 76 DAYS)					
OFF-PEAK	24 HRS/DAY	76	DAYS/SUMMER =	1824	HRS/SUMMER

ENERGY COST	WINTER ON-PEAK	ENERGY COST =	KWH COST	+ FUEL ADJUSTMENT COST
		$ / KWH	$ / KWH	$ / KWH
		0.073538	########	0.002583

MBTU CALCULATIONS:

MBTU'S SAVED	WINTER ON-PEAK	KWH	÷ KWH/MBTU	= MBTU
		1000	293	3.413

MBTU COST	WINTER ON-PEAK	$/KWH	* KWH/MBTU	= $/MBTU
		0.073538	293	21.55

NAVAL BASE GUANTANAMO BAY, CUBA 30-AUG-95
GUANTANAMO BAY, CUBA

ACTIVITY ENERGY AND DEMAND CALULATIONS

ENERGY

1994	$0.07960	GROSS CHARGE PER KWH (FROM LANTDIV CODE 163)
		LATEST FUEL ADJUSTMENT ((FROM UPA,___ MONTHS AVERAGE)
	$0.07960	NET CHARGE PER KWH

DEMAND

1994		CHARGE PER KW (KVA) PER MONTH (FROM CONTRACT)
		MONTHS ON PEAK (FROM UPA)
		MONTHS ON RATCHET (FROM UPA)
	90%	RATCHET PERCENTAGE (FROM CONTRACT)
		YEARLY MULTIPLIER
		CHARGE PER KW (KVA) PER YEAR
	N/A	POWER FACTOR (FROM UPA AND AS REQUIRED)

MBTU CALCULATIONS:

MBTU'S SA\	1000	KWH/YEAR /	293	KWH/MBT	3.41	MBTU/YEAR
MBTU COST	0.07960	$/KWH	293	KWH/MBTU	########	$/MBTU
DMND SAVI	10.00	KW		$/KW-YR		$/YEAR

U.S. SUBMARINE BASE NEW LONDON 19-APR-94
GROTON, CT

ACTIVITY ENERGY AND DEMAND CALULATIONS

ENERGY

1993	$0.04053	GROSS CHARGE PER KWH (FROM CONTRACT)
	#########	LATEST FUEL ADJUSTMENT ((FROM UPA, 7 MONTHS AVERAGE)
	$0.03816	NET CHARGE PER KWH

DEMAND

1993	$26.80	CHARGE PER KW (KVA) PER MONTH (FROM CONTRACT)
	9	MONTHS ON PEAK (FROM UPA)
	3	MONTHS ON RATCHET (FROM UPA)
	90%	RATCHET PERCENTAGE (FROM CONTRACT)
	11.70	YEARLY MULTIPLIER
	$313.56	CHARGE PER KW (KVA) PER YEAR
	N/A	POWER FACTOR (FROM UPA AND AS REQUIRED)

MBTU CALCULATIONS:

MBTU'S SA\	1000	KWH/YEAR /	293	KWH/MBT	3.41	MBTU/YEAR
MBTU COST	0.03816	$/KWH	293	KWH/MBTU	########	$/MBTU
DMND SAVI	10.00	KW	#####	$/KW-YR	########	$/YEAR

NATIONAL NAVAL MEDICAL CENTER 30-AUG-95
BETHESDA, MD

ACTIVITY ENERGY AND DEMAND CALUCTIONS

1994	FROM CONTRACT DEMAND CHARGE PER KW	ENERGY GROSS CHARGE PER KWH
WINTER	$/KW	$/KWH
ON-PEAK	4.15	0.024470
IMMED		0.018850
OFF-PEAK		0.006070
SUMMER		
ON-PEAK	14.20	0.033140
IMMED		0.026400
OFF-PEAK		0.010510
LATEST FUEL ADJUSTMENT CHARGE		0.019569
MONTGOMERY CO. ENERGY TAX		0.004694
DEMAND-SIDE MANAGEMENT SURCHAGE		0.001326

NORMAL AREAS -- 12 HOURS PER DAY, 5 DAYS PER WEEK, 50 WEEKS PER YEAR

WINTER WEEKDAY DAYS (212 DAYS - 68 WEEKEND DAYS = 144 DAYS)

							ENERGY COST	
OFF-PEAK	2	HRS/DAY	144	DAYS/WINTER =	288	HRS/WINTER	0.031290	$/KWH
IMMED	4	HRS/DAY	144	DAYS/WINTER =	576	HRS/WINTER	0.043431	$/KWH
ON-PEAK	6	HRS/DAY	144	DAYS/WINTER =	864	HRS/WINTER	0.048770	$/KWH
ON-PEAK	2	HRS/DAY	144	DAYS/WINTER =	288	HRS/WINTER		
IMMED	4	HRS/DAY	144	DAYS/WINTER =	576	HRS/WINTER		
OFF-PEAK	6	HRS/DAY	144	DAYS/WINTER =	864	HRS/WINTER		

WINTER WEEKEND DAYS (30 WEEKENDS + 8 HOLIDAYS = 68 DAYS)

OFF-PEAK	24	HRS/DAY	68	DAYS/WINTER =	1632	HRS/WINTER

SUMMER WEEKDAY DAYS (153 DAYS - 47 WEEKEND DAYS = 106 DAYS)

							ENERGY COST	
OFF-PEAK	2	HRS/DAY	168	DAYS/SUMMER =	336	HRS/SUMMER	0.035508	$/KWH
IMMED	4	HRS/DAY	168	DAYS/SUMMER =	672	HRS/SUMMER	0.050604	$/KWH
ON-PEAK	6	HRS/DAY	168	DAYS/SUMMER =	1008	HRS/SUMMER	0.057007	$/KWH
ON-PEAK	2	HRS/DAY	168	DAYS/SUMMER =	336	HRS/SUMMER		
IMMED	4	HRS/DAY	168	DAYS/SUMMER =	672	HRS/SUMMER		
OFF-PEAK	6	HRS/DAY	168	DAYS/SUMMER =	1008	HRS/SUMMER		

SUMMER WEEKEND DAYS (22 WEEKENDS + 3 HOLIDAYS = 47 DAYS)

OFF-PEAK	24	HRS/DAY	47	DAYS/SUMMER =	1128	HRS/SUMMER

ENERGY COST WINTER ON-PEAK

ENERGY COST = .95*(KWH COST + DEMAND SIDE MANAGE)+FUEL ADJUSTMENT COST+ COUNTY ENERGY TAX

$ / KWH		$ / KWH	$ / KWH	$ / KWH	$ / KWH
########	0.95	0.024470	########	0.019569	0.004694

MBTU CALCULATIONS:

MBTU'S SAVED	WINTER ON-PEAK	KWH	÷ KWH/MBTU	= MBTU
		1000	293	3.413

MBTU COST	WINTER ON-PEAK	$/KWH	* KWH/MBTU	= $/MBTU
		0.048770	293	14.29

NSGA NORTHWEST 10-MAY-94
CHESAPEAKE, VA

ACTIVITY ENERGY AND DEMAND CALULATIONS

ENERGY

1994	$0.01947	GROSS CHARGE PER KWH (FROM CONTRACT)
	#########	LATEST FUEL ADJUSTMENT ((FROM UPA,___ MONTHS AVERAGE)
	$0.01740	NET CHARGE PER KWH

DEMAND

1994	$12.54	CHARGE PER KW (KVA) PER MONTH (FROM CONTRACT)
	8	MONTHS ON PEAK (FROM UPA)
	4	MONTHS ON RATCHET (FROM UPA)
	90%	RATCHET PERCENTAGE (FROM CONTRACT)
	11.60	YEARLY MULTIPLIER
	$145.46	CHARGE PER KW (KVA) PER YEAR
	N/A	POWER FACTOR (FROM UPA AND AS REQUIRED)

MBTU CALCULATIONS:

MBTU'S SA\	1000	KWH/YEAR /	293	KWH/MBT	3.41	MBTU/YEAR
MBTU COST	0.01740	$/KWH	293	KWH/MBTU	5.09820	$/MBTU
DMND SAVI	10.00	KW	#####	$/KW-YR	########	$/YEAR

NRL CHESAPEAKE BEACH 07-JUN-94
CALVERT, MD

ACTIVITY ENERGY AND DEMAND CALUCTIONS

1994	FROM CONTRACT DEMAND CHARGE PER KW	ENERGY GROSS CHARGE PER KWH
WINTER	$/KW	$/KWH
ON-PEAK	8.32	0.022570
IMMED		0.020370
OFF-PEAK		0.011740
SUMMER		
ON-PEAK	14.42	0.037900
IMMED		0.027420
OFF-PEAK		0.014680
LATEST FUEL ADJUSTMENT CHARGE		0.013750
CONSERVATION SURCHARGE		0.000470
ELECTRIC ENVIRONMENTAL SURCHARGE		0.000150

WINTER 6 HOLIDAYS AS OFF PEAK, 2 ARE FLOATERS.
SATURDAY HOLIDAYS, CHRISTMAS DAY AND
NEW YEARS DAY - 3 TIMES EACH IN 32 YEARS.
1976 THRU 2007

SUMMER 2 HOLIDAY AS OFF PEAK, 1 IS A FLOATER.
SATURDAY HOLIDAYS, 4TH OF JULY WAS
NEVER ON SATURDAY IN 32 YEARS.
1976 THRU 2007

WINTER WEEKDAY DAYS (243 DAYS - 76 WEEKEND DAYS = 167 DAYS)

ON-PEAK	4	HRS/DAY	167	DAYS/WINTER	668	HRS/WINTER	0.036940	$/KWH
IMMED	6	HRS/DAY	167	DAYS/WINTER	1002	HRS/WINTER	0.034740	$/KWH
ON-PEAK	2	HRS/DAY	167	DAYS/WINTER	334	HRS/WINTER		
ON-PEAK	2	HRS/DAY	167	DAYS/WINTER	334	HRS/WINTER		
OFF-PEAK	10	HRS/DAY	167	DAYS/WINTER	1670	HRS/WINTER	0.026110	$/KWH

WINTER WEEKEND DAYS (35 WEEKENDS + 6 HOLIDAYS = 76 DAYS)

OFF-PEAK	24	HRS/DAY	76	DAYS/WINTER	1824	HRS/WINTER

SUMMER WEEKDAY DAYS (122 DAYS - 36 WEEKEND DAYS = 86 DAYS)

							ENERGY COST	
IMMED	3	HRS/DAY	86	DAYS/SUMMER	258	HRS/SUMMER	0.041790	$/KWH
ON-PEAK	9	HRS/DAY	86	DAYS/SUMMER	774	HRS/SUMMER	0.052270	$/KWH
ON-PEAK	1	HRS/DAY	86	DAYS/SUMMER	86	HRS/SUMMER		
IMMED	3	HRS/DAY	86	DAYS/SUMMER	258	HRS/SUMMER		
OFF-PEAK	8	HRS/DAY	86	DAYS/SUMMER	688	HRS/SUMMER	0.029050	$/KWH

SUMMER WEEKEND DAYS (17 WEEKENDS + 2 HOLIDAYS = 36 DAYS)

OFF-PEAK	24	HRS/DAY	36	DAYS/SUMMER	864	HRS/SUMMER

ENERGY COST WINTER ON-PEAK

ENERGY COST = $ / KWH	KWH COST	+ ELECT. ENVIR.SURCHG. $ / KWH	+FUEL ADJUSTMENT COST $ / KWH	+ CONSERV. SURCHG. $ / KWH	$ / KWH
########		0.022570	########	0.013750	0.000470

MBTU CALCULATIONS:

MBTU'S SAVED	WINTER ON-PEAK	KWH	÷ KWH/MBTU	= MBTU
		1000	293	3.413

MBTU COST	WINTER ON-PEAK	$/KWH	* KWH/MBTU	= $/MBTU
		0.036940	293	10.82

REBATE: LESSER OF 40% OF JOB COST OR $400 / DEFERRED KW.

TOTAL CONTRACT PRICE	########
40% OF CONTRACT PRIC	0.40
REBATE	$68,011
DEFERRED KW	138.20
$400 / DEFERRED KW	$400
REBATE	$55,280
REBATE = LESSOR	$55,280

NAVAL RESEARCH LABORATORY 30-AUG-95
WASHINGTON, DC

ACTIVITY ENERGY AND DEMAND CALUCTIONS

1994	FROM CONTRACT	
	DEMAND	ENERGY
	CHARGE PER KW	GROSS CHARGE PER KWH
WINTER	$/KW	$/KWH
ON-PEAK	4.15	0.024470
IMMED		0.018850
OFF-PEAK		0.006070
SUMMER		
ON-PEAK	14.20	0.033140
IMMED		0.026400
OFF-PEAK		0.010510

LATEST FUEL ADJUSTMENT CHARGE 0.019569

DEMAND-SIDE MANAGEMENT SURCHAGE 0.001326

12 HOURS PER DAY, 5 DAYS PER WEEK, 50 WEEKS PER \GT-3A

WINTER WEEKDAY DAYS (212 DAYS - 68 WEEKEND DAYS = 144 DAYS)							ENERGY COST	
OFF-PEAK	2	HRS/DAY	144	DAYS/WINTER =	288	HRS/WINTER	0.026596	$/KWH
IMMED	4	HRS/DAY	144	DAYS/WINTER =	576	HRS/WINTER	0.038737	$/KWH
ON-PEAK	6	HRS/DAY	144	DAYS/WINTER =	864	HRS/WINTER	0.044076	$/KWH
ON-PEAK	2	HRS/DAY	144	DAYS/WINTER =	288	HRS/WINTER		
IMMED	4	HRS/DAY	144	DAYS/WINTER =	576	HRS/WINTER		
OFF-PEAK	6	HRS/DAY	144	DAYS/WINTER =	864	HRS/WINTER		

WINTER WEEKEND DAYS (30 WEEKENDS + 8 HOLIDAYS = 68 DAYS)

OFF-PEAK	24	HRS/DAY	68	DAYS/WINTER =	1632	HRS/WINTER

SUMMER WEEKDAY DAYS (153 DAYS - 47 WEEKEND DAYS = 106 DAYS)							ENERGY COST	
OFF-PEAK	2	HRS/DAY	168	DAYS/SUMMER =	336	HRS/SUMMER	0.030814	$/KWH
IMMED	4	HRS/DAY	168	DAYS/SUMMER =	672	HRS/SUMMER	0.045909	$/KWH
ON-PEAK	6	HRS/DAY	168	DAYS/SUMMER =	1008	HRS/SUMMER	0.052312	$/KWH
ON-PEAK	2	HRS/DAY	168	DAYS/SUMMER =	336	HRS/SUMMER		
IMMED	4	HRS/DAY	168	DAYS/SUMMER =	672	HRS/SUMMER		
OFF-PEAK	6	HRS/DAY	168	DAYS/SUMMER =	1008	HRS/SUMMER		

SUMMER WEEKEND DAYS (22 WEEKENDS + 3 HOLIDAYS = 47 DAYS)

OFF-PEAK	24	HRS/DAY	47	DAYS/SUMMER =	1128	HRS/SUMMER

ENERGY COST WINTER ON-PEAK

ENERGY COST =	.95*(KWH COST	+ DEMAND SIDE MANAGE)+FUEL ADJUSTMENT COST+ COUNTY ENERGY TAX			
$ / KWH		$ / KWH	$ / KWH	$ / KWH	$ / KWH
########	0.95	0.024470	########	0.019569	

MBTU CALCULATIONS:

MBTU'S SAVED	WINTER ON-PEAK	KWH	÷ KWH/MBTU	= MBTU
		1000	293	3.413

MBTU COST	WINTER ON-PEAK	$/KWH	* KWH/MBTU	= $/MBTU
		0.044076	293	12.91

NAVAL OBSERVATORY 02-DEC-94
WASHINGTON, DC

ACTIVITY ENERGY AND DEMAND CALUCTIONS

1994	FROM CONTRACT DEMAND CHARGE PER KW	ENERGY GROSS CHARGE PER KWH
WINTER	$/KW	$/KWH
ON-PEAK	6.65	0.047060
IMMED		0.040640
OFF-PEAK		0.030880
SUMMER		
ON-PEAK	17.25	0.056880
IMMED		0.041440
OFF-PEAK		0.028740
LATEST FUEL ADJUSTMENT CHARGE		0.015762

12 HOURS PER DAY, 5 DAYS PER WEEK, 50 WEEKS PER GT

WINTER WEEKDAY DAYS (212 DAYS - 68 WEEKEND DAYS = 144 DAYS)								ENERGY COST	
OFF-PEAK	2	HRS/DAY	144	DAYS/WINTER =	288	HRS/WINTER		0.046642	$/KWH
IMMED	4	HRS/DAY	144	DAYS/WINTER =	576	HRS/WINTER		0.056402	$/KWH
ON-PEAK	6	HRS/DAY	144	DAYS/WINTER =	864	HRS/WINTER		0.062822	$/KWH
ON-PEAK	2	HRS/DAY	144	DAYS/WINTER =	288	HRS/WINTER			
IMMED	4	HRS/DAY	144	DAYS/WINTER =	576	HRS/WINTER			
OFF-PEAK	6	HRS/DAY	144	DAYS/WINTER =	864	HRS/WINTER			
WINTER WEEKEND DAYS (30 WEEKENDS + 8 HOLIDAYS = 68 DAYS)									
OFF-PEAK	24	HRS/DAY	68	DAYS/WINTER =	1632	HRS/WINTER			

SUMMER WEEKDAY DAYS (153 DAYS - 47 WEEKEND DAYS = 106 DAYS)								ENERGY COST	
OFF-PEAK	2	HRS/DAY	168	DAYS/SUMMER =	336	HRS/SUMMER		0.044502	$/KWH
IMMED	4	HRS/DAY	168	DAYS/SUMMER =	672	HRS/SUMMER		0.057202	$/KWH
ON-PEAK	6	HRS/DAY	168	DAYS/SUMMER =	1008	HRS/SUMMER		0.072642	$/KWH
ON-PEAK	2	HRS/DAY	168	DAYS/SUMMER =	336	HRS/SUMMER			
IMMED	4	HRS/DAY	168	DAYS/SUMMER =	672	HRS/SUMMER			
OFF-PEAK	6	HRS/DAY	168	DAYS/SUMMER =	1008	HRS/SUMMER			
SUMMER WEEKEND DAYS (22 WEEKENDS + 3 HOLIDAYS = 47 DAYS)									
OFF-PEAK	24	HRS/DAY	47	DAYS/SUMMER =	1128	HRS/SUMMER			

ENERGY COST WINTER ON-PEAK

ENERGY COST = 1*(KWH COST $ / KWH	+ DEMAND SIDE MANAGE) $ / KWH	+FUEL ADJUSTMENT COST $ / KWH	+ COUNTY ENERGY TAX $ / KWH
########	1.00 0.047060	0.015762	

MBTU CALCULATIONS:

MBTU'S SAVED	WINTER ON-PEAK	KWH	÷ KWH/MBTU	= MBTU
		1000	293	3.413

MBTU COST	WINTER ON-PEAK	$/KWH	* KWH/MBTU	= $/MBTU
		0.062822	293	18.41

NAS Patuxent River 4-MAR-97
Patuxent River, MD

ACTIVITY ENERGY AND DEMAND CALULATIONS

ENERGY $13.2972

DEMAND $0.0278203

	KW	$/KW	PPCA/KV	$/KWH	PPCA/KWH	ENVIRO/KWH
JAN	######	9.49	######	0.02500	0.0013	#######
FEB	######	9.49	######	0.02500	0.0038	#######
MAR	######	9.49	######	0.02500	0.0010	#######
APR	######	9.49	######	0.02500	(0.0002)	#######
MAY	######	9.49	######	0.02500	0.0030	#######
JUN	######	9.49	######	0.02500	0.0049	#######
JUL	######	9.49	######	0.02500	0.0058	#######
AUG	######	9.49	######	0.02500	0.0055	#######
SEP	######	9.49	######	0.02500	0.0040	#######
OCT	######	9.49	######	0.02500	0.0012	#######
NOV	9,966	9.49	######	0.02500	0.0009	#######
DEC	######	9.49	######	0.02500	0.0015	#######
		9.49	######	0.02500	0.0027	#######
	Average $/KW --		######	Average $/KWH ------		#######

NAVAL SHIPYARD, PORTSMOUTH, NEW HAMPSHIRE 30-APR-96

ACTIVITY ENERGY AND DEMAND CALUCTIONS

1995-7	FROM CONTRACT DEMAND CHARGE PER KW	ENERGY GROSS CHARGE PER KWH
WINTER	$/KW	$/KWH
ON-PEAK	10.95	0.058710
SHOULDER	2.24	0.055909
OFF-PEAK		0.047712
SUMMER		
ON-PEAK	2.10	0.047098
SHOULDER	0.36	0.046670
OFF-PEAK		0.042242

LATEST FUEL ADJUSTMENT CHARGE

WINTER DECEMBER-MARCH REACTIVE DEMAND CHARGE
SUMMER APRIL-NOVEMBER $0.67 /k

On-Peak 0700-1200, 1600-2000
Shoulder 1200-1600
Off-Peak 2000-0700

Shoulder Sat, Sun, Holidays in wint 0700-1200, 1600-2000
Off-Peak Remainder of above winter hours
Sat, Sun, Holidays in summer

Ratchet 80% WINTER DEMAND
Power Factor 0.80

ENERGY COST WINTER ON-PEAK

ENERGY COST =	.95*(KWH COST	+ DEMAND SIDE MANAGE)+FUEL ADJUSTMENT COST+ COUNTY ENERGY TAX
$ / KWH	$ / KWH	$ / KWH $ / KWH $ / KWH
########	0.95	0.058710 REACTIVE

MBTU CALCULATIONS:

MBTU'S SAVED	WINTER ON-PEAK	KWH	÷	KWH/MBTU	=	MBTU
		1000		293	3.413	

MBTU COST	WINTER ON-PEAK	$/KWH	*	KWH/MBTU	= $/MBTU
				293	

ACTIVITY ENERGY AND DEMAND CALCULATIONS

1997 FROM CONTRACT

NORMAL LOAD

PERIOD (annual demand charge)

May 1 - Sep 30	1400-2100	Total KWH during the demand period on the highest load d
Oct 1 - Apr 30	0630-1030 and 1700	Total KWH during the demand period on the highest load d

DEMAND CHARGE = [(S x 9) + (W x 3)] x $4

ENERGY CHARGE (use annual totals)

ON-PEAK	0600-2200	0.035190	$/kWh
OFF-PEAK	2200-0600	0.029190	$/kWh

LATEST FUEL ADJUSTMENT CHARGE	(0.003490)	$/kWh
KVA CHARGE (for increased load)	1.20	$/KVA / month

CONSTANT LOAD (24 hours all year long)

ENERGY CHARGE = Total annual KWH	0.034670	$/KWH
KVA CHARGE (for increased load)	1.20	$/KVA / month
LATEST FUEL ADJUSTMENT CHARGE	(0.003490)	$/kWh

SPECIAL CASE

NOTE: Load occurring TYPICALLY during 2300-0400 for the months MAR, APR, SEP, and OCT

ENERGY CHARGE = Total annual KWH	0.043620	$/KWH
LATEST FUEL ADJUSTMENT CHARGE	(0.003490)	$/kWh

NAVSTA ROOSEVELT ROADS, PR 30-AUG-95
CEIBA, PUERTO RICO

ACTIVITY ENERGY AND DEMAND CALULATIONS

ENERGY

1994	$0.02800	GROSS CHARGE PER KWH (FROM CONTRACT)
	$0.03110	LATEST FUEL ADJUSTMENT CHARGE
	$0.05910	NET CHARGE PER KWH

DEMAND

1994	$7.70	CHARGE PER KVA PER MONTH (FROM CONTRACT)
	12	MONTHS ON PEAK (FROM UPA)
		MONTHS ON RATCHET (FROM UPA)
		RATCHET PERCENTAGE (FROM CONTRACT)
	12.00	YEARLY MULTIPLIER
	$92.40	CHARGE PER KVA PER YEAR
	92%	POWER FACTOR (FROM UPA AND AS REQUIRED)

MBTU CALCULATIONS:

MBTU'S SAVE	1000	KWH/YEAR /	293	KWH/MBTU	3.41	MBTU/YEAR
MBTU COST	0.05910	$/KWH	293	KWH/MBTU	17.31630	$/MBTU
DMND SAVIN(	10.00	KVA	92.40	$/KVA-YR	924.00	$/YEAR

NAVAL SECURITY STATION 30-AUG-95
WASHINGTON, DC

ACTIVITY ENERGY AND DEMAND CALUCTIONS

1994	FROM CONTRACT DEMAND CHARGE PER KW	ENERGY GROSS CHARGE PER KWH
WINTER	$/KW	$/KWH
ON-PEAK	6.65	0.047060
IMMED		0.040640
OFF-PEAK		0.030880
SUMMER		
ON-PEAK	17.25	0.056880
IMMED		0.041440
OFF-PEAK		0.028740
LATEST FUEL ADJUSTMENT CHARGE		0.019569

12 HOURS PER DAY, 5 DAYS PER WEEK, 50 WEEKS PER GT-3A

WINTER WEEKDAY DAYS (212 DAYS - 68 WEEKEND DAYS = 144 DAYS)							ENERGY COST	
OFF-PEAK	2	HRS/DAY	144	DAYS/WINTER =	288	HRS/WINTER	0.048905	$/KWH
IMMED	4	HRS/DAY	144	DAYS/WINTER =	576	HRS/WINTER	0.058177	$/KWH
ON-PEAK	6	HRS/DAY	144	DAYS/WINTER =	864	HRS/WINTER	0.064276	$/KWH
ON-PEAK	2	HRS/DAY	144	DAYS/WINTER =	288	HRS/WINTER		
IMMED	4	HRS/DAY	144	DAYS/WINTER =	576	HRS/WINTER		
OFF-PEAK	6	HRS/DAY	144	DAYS/WINTER =	864	HRS/WINTER		

WINTER WEEKEND DAYS (30 WEEKENDS + 8 HOLIDAYS = 68 DAYS)						
OFF-PEAK	24	HRS/DAY	68	DAYS/WINTER =	1632	HRS/WINTER

SUMMER WEEKDAY DAYS (153 DAYS - 47 WEEKEND DAYS = 106 DAYS)							ENERGY COST	
OFF-PEAK	2	HRS/DAY	168	DAYS/SUMMER =	336	HRS/SUMMER	0.046872	$/KWH
IMMED	4	HRS/DAY	168	DAYS/SUMMER =	672	HRS/SUMMER	0.058937	$/KWH
ON-PEAK	6	HRS/DAY	168	DAYS/SUMMER =	1008	HRS/SUMMER	0.073605	$/KWH
ON-PEAK	2	HRS/DAY	168	DAYS/SUMMER =	336	HRS/SUMMER		
IMMED	4	HRS/DAY	168	DAYS/SUMMER =	672	HRS/SUMMER		
OFF-PEAK	6	HRS/DAY	168	DAYS/SUMMER =	1008	HRS/SUMMER		

SUMMER WEEKEND DAYS (22 WEEKENDS + 3 HOLIDAYS = 47 DAYS)						
OFF-PEAK	24	HRS/DAY	47	DAYS/SUMMER =	1128	HRS/SUMMER

ENERGY COST WINTER ON-PEAK

ENERGY COST = .95*(KWH COST	+ DEMAND SIDE MANAGE)+FUEL ADJUSTMENT COST+ COUNTY ENERGY TAX
$ / KWH	$ / KWH $ / KWH $ / KWH $ / KWH
########	0.95 0.047060 0.019569

MBTU CALCULATIONS:

MBTU'S SAVED	WINTER ON-PEAK	KWH	÷	KWH/MBTU	=	MBTU
		1000		293		3.413

MBTU COST	WINTER ON-PEAK	$/KWH	*	KWH/MBTU	= $/MBTU
		0.064276		293	18.83

Sigonella								35325		Jan	31
ENEL			Electric Rate Description							Feb	28
										Mar	31
NAS I	High Rate in Use									Apr	30
	Low		Medium		High		Very High			May	31
Hours of:	Energy	Power	Energy	Power	Energy	Power	Energy	Power		Jun	30
Peak Load	269	6290	196.3	10520	168.4	15170	123.5	24110		July	31
High Load	233.1	2210	154.8	4010	128.7	7600	86.8	15420		Aug	31
Medium Lo	141.2	760	102.2	1410	87.2	2760	69.8	5640		Sep	30
Low Load	69.1	210	66.1	360	62.1	740	58.4	1690		Oct	31
										Nov	30
Rates incldue a 54.1 Lire Fuel Adjustment										Dec	31
Conversion Rate		1500	Lire = 1 Dollar								
NAS I	High Rate in Use									Winter	182
	Low		Medium		High		Very High			Sum w/o A	152
Hours of:	Energy	Power	Energy	Power	Energy	Power	Energy	Power		August	31
Peak Load	0.1793	4.1933	0.1309	7.0133	0.1123	10.1133	0.0823	16.0733			365
High Load	0.1554	1.4733	0.1032	2.6733	0.0858	5.0667	0.0579	10.28			
Medium Lo	0.0941	0.5067	0.0681	0.94	0.0581	1.84	0.0465	3.76			
Low Load	0.0461	0.14	0.0441	0.24	0.0414	0.4933	0.0389	1.1267			
Winter: Oct through March (182 days)											
Peak:	From 8:30 to 10:30; from 16:30 to 18:30										
High	From 6:30 to 8:30; from 10:30 1630; from 1830 to 2130										
Low	From 21:30 to 6:30										
Summer: April through September Not including August (152 days)											
High	From 8:30 to 12:00										
Medium	From 6:30 to 8:30; from 12:00 to 21:30										
Low	From 21:30 to 6:30										
August	31 days										
Low	All day										
Weekends Low Rate											
ENERGY COST		WINTER ON-PEAK									
ENERGY COST =					KWH COST + FUEL ADJUSTMENT COST						
$ / KWH					$ / KWH	$ / KWH					
62.1					62.1						
MBTU CALCULATIONS:											
MBTU'S SAVED					KWH ÷ KWH/MBTU = MBTU						
					1000	293	3.413				
MBTU COST		WINTER ON-PEAK			$/KWH * KWH/MBTU = $/MBTU						
						293					

NAWC, AD, ST. INIGOES 01-MAY-9
ST. INIGOES, MD

ACTIVITY ENERGY AND DEMAND CALULATIONS

ENERGY

1994	$0.02400	GROSS CHARGE PER KWH (FROM CONTRACT)
	$0.00020	PURCHASED POWER COST ADJUSTME (FROM UPA, MARCH
	$0.02420	NET CHARGE PER KWH

DEMAND

1994	$9.00	CHARGE PER KW (KVA) PER MONTH (FROM CONTRACT)
	$3.49	PURCHASED POWER COST ADJUSTME (FROM UPA, MARCH
	11	MONTHS ON PEAK (FROM UPA)
	1	MONTHS ON RATCHET (FROM UPA)
	50%	RATCHET PERCENTAGE (FROM CONTRACT)
	11.50	YEARLY MULTIPLIER
	$129.32	CHARGE PER KW (KVA) PER YEAR
	N/A	POWER FACTOR (FROM UPA AND AS REQUIRED)

CONTRIBUTION IN AID OF CONSTRUCTION (10%) 0.90
MD. ENVIRONMENTAL SURCHARGE ########

ENERGY COST

ENERGY COST = .90*(KWH COST)+ MD. ENVIR. SURCHG.

$ / KWH		$ / KWH	$ / KWH
0.02191	0.90	$0.02420	########

MBTU CALCULATIONS:

MBTU COST	0.02191	$/KWH *	293	KWH/MBTU =	6.41931	$/MBTU	
MBTU'S SA	1000	KWH/YEAR /	293	KWH/MBTU	3.41	MBTU/YEA	
DMND SAVI	10.00	KW *	#####	$/KW-YR	########	$/YEAR	

NAVSURFWARCENDIV, INDIAN HEAD 12-DEC-94
STUMP NECK, MD

ACTIVITY ENERGY AND DEMAND CALCULATIONS

ENERGY

1994	$0.03500	GROSS CHARGE PER KWH (FROM CONTRACT)
WINTER		LATEST FUEL ADJUSTMENT ((FROM UPA,___ MONTHS AVERAGE)
	$0.03500	NET CHARGE PER KWH

1994	$0.03500	GROSS CHARGE PER KWH (FROM CONTRACT)
SUMMER		LATEST FUEL ADJUSTMENT ((FROM UPA,___ MONTHS AVERAGE)
	$0.03500	NET CHARGE PER KWH

DEMAND

1994	$8.45	CHARGE PER KW (KVA) PER MONTH (FROM CONTRACT)
	12	MONTHS ON PEAK (FROM UPA)
		MONTHS ON RATCHET (FROM UPA)
	50%	RATCHET PERCENTAGE (FROM CONTRACT)
	12.00	YEARLY MULTIPLIER
	$101.40	CHARGE PER KW (KVA) PER YEAR
	N/A	POWER FACTOR (FROM UPA AND AS REQUIRED)

MBTU CALCULATIONS:

MBTU'S SA\	1000	KWH/YEAR /	293	KWH/MBT	3.41	MBTU/YEAR	
MBTU COST	0.03500	$/KWH	293	KWH/MBTU	########	$/MBTU	
DMND SAVI	10.00	KW	#####	$/KW-YR	########	$/YEAR	

AEGIS COMBAT SYSTEMS CENTER 30-AUG-95
WALLOPS ISLAND, VA

ACTIVITY ENERGY AND DEMAND CALUCTIONS

1994 GS-P FROM CONTRACT

	DEMAND CHARGE PER KW	ENERGY GROSS CHARGE PER KWH
WINTER	$/KW	$/KWH
ON-PEAK	6.060	0.031770
OFF-PEAK		0.021770
SUMMER		
ON-PEAK	8.023	0.031770
OFF-PEAK		0.021770

LATEST FUEL ADJUSTMENT CHARGE 0.017120

NAVAL SWC DAHLGREN DIV. DET WHOTE OAK 01-DEC-94
SILVER SPRINGS, MD

ACTIVITY ENERGY AND DEMAND CALUCTIONS

1994	FROM CONTRACT DEMAND CHARGE PER KW	ENERGY GROSS CHARGE PER KWH
WINTER	$/KW	$/KWH
ON-PEAK	4.15	0.024470
IMMED		0.018850
OFF-PEAK		0.006070
SUMMER		
ON-PEAK	14.20	0.033140
IMMED		0.026400
OFF-PEAK		0.010510
DEMAND-SIDE MANAGEMENT SURCHAGE		0.001326
LATEST FUEL ADJUSTMENT CHARGE		0.019569
MONTGOMERY CO. ENERGY TAX		0.004694
MD. ENVIRONMENTAL SURCHARGE		0.000170

12 HOURS PER DAY, 5 DAYS PER WEEK, 50 WEEKS PER ϒGT-3A

WINTER WEEKDAY DAYS (212 DAYS - 68 WEEKEND DAYS = 144 DAYS)							ENERGY COST	
OFF-PEAK	2	HRS/DAY	144	DAYS/WINTER =	288	HRS/WINTER	0.031460	$/KWH
IMMED	4	HRS/DAY	144	DAYS/WINTER =	576	HRS/WINTER	0.043601	$/KWH
ON-PEAK	6	HRS/DAY	144	DAYS/WINTER =	864	HRS/WINTER	0.048940	$/KWH
ON-PEAK	2	HRS/DAY	144	DAYS/WINTER =	288	HRS/WINTER		
IMMED	4	HRS/DAY	144	DAYS/WINTER =	576	HRS/WINTER		
OFF-PEAK	6	HRS/DAY	144	DAYS/WINTER =	864	HRS/WINTER		

WINTER WEEKEND DAYS (30 WEEKENDS + 8 HOLIDAYS = 68 DAYS)						
OFF-PEAK	24	HRS/DAY	68	DAYS/WINTER =	1632	HRS/WINTER

SUMMER WEEKDAY DAYS (153 DAYS - 47 WEEKEND DAYS = 106 DAYS)							ENERGY COST	
OFF-PEAK	2	HRS/DAY	168	DAYS/SUMMER =	336	HRS/SUMMER	0.035678	$/KWH
IMMED	4	HRS/DAY	168	DAYS/SUMMER =	672	HRS/SUMMER	0.050773	$/KWH
ON-PEAK	6	HRS/DAY	168	DAYS/SUMMER =	1008	HRS/SUMMER	0.057176	$/KWH
ON-PEAK	2	HRS/DAY	168	DAYS/SUMMER =	336	HRS/SUMMER		
IMMED	4	HRS/DAY	168	DAYS/SUMMER =	672	HRS/SUMMER		
OFF-PEAK	6	HRS/DAY	168	DAYS/SUMMER =	1008	HRS/SUMMER		

SUMMER WEEKEND DAYS (22 WEEKENDS + 3 HOLIDAYS = 47 DAYS)						
OFF-PEAK	24	HRS/DAY	47	DAYS/SUMMER =	1128	HRS/SUMMER

ENERGY COST WINTER ON-PEAK

ENERGY COST =	.95*(KWH COST	+ DEMAND SIDE MANAGE)+FUEL ADJUSTMENT COST+	COUNTY ENERGY TAX+	MD. ENVIR. SURCHG.
$ / KWH	$ / KWH	$ / KWH	$ / KWH	$ / KWH
########	0.95 0.024470	0.001326 0.019569	0.004694	########

MBTU CALCULATIONS:

MBTU'S SAVED	WINTER ON-PEAK	KWH	÷ KWH/MBTU	= MBTU
		1000	293	3.413

MBTU COST	WINTER ON-PEAK	$/KWH	* KWH/MBTU	= $/MBTU
		0.048940	293	14.34

NWS YORKTOWN 10-MAY-94
YORKTOWN, VA

ACTIVITY ENERGY AND DEMAND CALULATIONS

ENERGY

1994	$0.01947	GROSS CHARGE PER KWH (FROM CONTRACT)
	#########	LATEST FUEL ADJUSTMENT ((FROM UPA,___ MONTHS AVERAGE)
	$0.01740	NET CHARGE PER KWH

DEMAND

1994	$12.54	CHARGE PER KW (KVA) PER MONTH (FROM CONTRACT)
	4	MONTHS ON PEAK (FROM UPA)
	8	MONTHS ON RATCHET (FROM UPA)
	90%	RATCHET PERCENTAGE (FROM CONTRACT)
	11.20	YEARLY MULTIPLIER
	$140.45	CHARGE PER KW (KVA) PER YEAR
	N/A	POWER FACTOR (FROM UPA AND AS REQUIRED)

MBTU CALCULATIONS:

MBTU'S SA\	1000	KWH/YEAR /	293	KWH/MBT	3.41	MBTU/YEAR
MBTU COST	0.01740	$/KWH	293	KWH/MBTU	5.09820	$/MBTU
DMND SAVI	10.00	KW	#####	$/KW-YR	########	$/YEAR