

Attachment NGS: CT Heat Input Nominal Values

NORTHSIDE STATION COMBUSTION TURBINES
BASE LOAD MW vs TEMPERATURE

#	AMBIENT TEMP °F	GROSS MW (X)	x Coeff. Net MW	HEAT CONSUMED MBTU/HR	#	AMBIENT TEMP °F	GROSS MW (X)	x Coeff. Net MW	HEAT CONSUMED MBTU/HR
1	20	67.97	67.63	868	60	58.77	58.43	747	
2	21	67.74	67.40	865	61	58.54	58.20	744	
3	22	67.51	67.17	861	62	58.31	57.97	741	
4	23	67.28	66.94	858	63	58.08	57.74	738	
5	24	67.05	66.71	855	64	57.85	57.51	735	
6	25	66.82	66.48	852	65	57.62	57.28	733	
7	26	66.59	66.25	849	66	57.39	57.05	730	
8	27	66.36	66.02	846	67	57.16	56.82	727	
9	28	66.13	65.79	842	68	56.93	56.59	724	
10	29	65.90	65.56	839	69	56.70	56.36	721	
11	30	65.67	65.33	836	70	56.47	56.13	719	
12	31	65.44	65.10	833	71	56.24	55.90	716	
13	32	65.21	64.87	830	72	56.01	55.67	713	
14	33	64.98	64.64	827	73	55.78	55.44	710	
15	34	64.75	64.41	824	74	55.55	55.21	708	
16	35	64.52	64.18	821	75	55.32	54.98	705	
17	36	64.29	63.95	818	76	55.09	54.75	702	
18	37	64.06	63.72	815	77	54.86	54.52	699	
19	38	63.83	63.49	812	78	54.63	54.29	697	
20	39	63.60	63.26	809	79	54.40	54.06	694	
21	40	63.37	63.03	806	80	54.17	53.83	691	
22	41	63.14	62.80	802	81	53.94	53.60	689	
23	42	62.91	62.57	799	82	53.71	53.37	686	
24	43	62.68	62.34	796	83	53.48	53.14	683	
25	44	62.45	62.11	793	84	53.25	52.91	681	
26	45	62.22	61.88	791	85	53.02	52.68	678	
27	46	61.99	61.65	788	86	52.79	52.45	675	
28	47	61.76	61.42	785	87	52.56	52.22	673	
29	48	61.53	61.19	782	88	52.33	51.99	670	
30	49	61.30	60.95	779	89	52.10	51.76	667	
31	50	61.07	60.73	776	90	51.87	51.53	665	
32	51	60.84	60.50	773	91	51.64	51.30	662	
33	52	60.61	60.27	770	92	51.41	51.07	660	
34	53	60.38	60.04	767	93	51.18	50.84	657	
35	54	60.15	59.81	764	94	50.95	50.61	654	
36	55	59.92	59.58	761	95	50.72	50.38	652	
37	56	59.69	59.35	758	96	50.49	50.15	649	
38	57	59.46	59.12	755	97	50.26	49.92	647	
39	58	59.23	58.89	753	98	50.03	49.69	644	
40	59	59.00	58.66	750	99	49.80	49.46	641	
41	60	58.77	58.43	747	100	49.57	49.23	639	

KSCT
Y INTERCEPT 72.576
SLOPE 0.2301

DISPATCH HEAT RATE CURVES

A = 1.78910E+02
B = 8.82453E+00
C = -1.50705E-02
D = 5.20028E-04
AA = 3.40192E-01
BE = 9.99987E-01
CC = 1.79499E-07
DATE: 05/21/93