

APPENDIX D

Microturbine Data Collected and Provided by SMUD

Table D1 – 100% Power Load

Control Date	Control Time	Turbine Exit Temp (°F)	Compressor In Temp (°F)	Ambient Pressure (psia)	Fuel Energy Flow BTU/sec	Power Demand (W)
06/10/2001	4:30:02	1098	68.4	14.6	108	28000
06/10/2001	4:30:04	1100	68.4	14.6	107	28000
06/10/2001	4:30:04	1100	68.4	14.6	107	28000
06/10/2001	4:30:18	1099	67.8	14.6	107	28000
06/10/2001	4:30:22	1100	67.8	14.6	107	28000
06/10/2001	4:30:28	1097	67.8	14.6	107	28000
06/10/2001	4:30:30	1099	67.6	14.6	107	28000
06/10/2001	4:30:30	1099	67.6	14.6	107	28000
06/10/2001	4:30:42	1098	67.5	14.6	106	28000
06/10/2001	4:30:48	1098	67.5	14.6	107	28000
06/10/2001	4:30:52	1100	67.5	14.6	107	28000
06/10/2001	4:30:58	1098	67.5	14.6	107	28000
06/10/2001	4:31:02	1099	67.4	14.6	107	28000
06/10/2001	4:31:08	1099	67.4	14.6	107	28000
06/10/2001	4:31:12	1098	67.4	14.6	107	28000
06/10/2001	4:31:18	1099	67.4	14.6	107	28000
06/10/2001	4:31:22	1100	67.4	14.6	106	28000
06/10/2001	4:31:28	1100	67.4	14.6	106	28000
06/10/2001	4:31:32	1097	67.5	14.6	107	28000
06/10/2001	4:31:38	1098	67.2	14.6	108	28000
06/10/2001	4:31:42	1102	67.1	14.6	106	28000
06/10/2001	4:31:46	1098	67.1	14.6	106	28000
06/10/2001	4:31:46	1098	67.1	14.6	106	28000
06/10/2001	4:31:58	1099	67	14.6	107	28000
06/10/2001	4:32:02	1099	67	14.6	107	28000
06/10/2001	4:32:08	1099	67	14.6	106	28000
06/10/2001	4:32:12	1099	67.1	14.6	106	28000
06/10/2001	4:32:18	1099	67.2	14.6	107	28000
06/10/2001	4:32:22	1099	67.4	14.6	106	28000
06/10/2001	4:32:28	1097	67.4	14.6	107	28000
06/10/2001	4:32:32	1100	67.4	14.6	107	28000
06/10/2001	4:32:38	1102	67.4	14.6	106	28000
06/10/2001	4:32:42	1098	67.4	14.6	107	28000
06/10/2001	4:32:48	1099	67.6	14.6	106	28000
06/10/2001	4:32:52	1099	67.9	14.6	106	28000
06/10/2001	4:32:58	1099	68	14.6	107	28000
06/10/2001	4:33:02	1098	68	14.6	107	28000

Table D1 – 100% Power Load

Control Date	Control Time	Turbine Exit Temp (°F)	Compressor In Temp (°F)	Ambient Pressure (psia)	Fuel Energy Flow BTU/sec	Power Demand (W)
06/10/2001	4:33:08	1098	68	14.6	108	28000
06/10/2001	4:33:12	1099	68	14.6	107	28000
06/10/2001	4:33:18	1100	67.6	14.6	106	28000
06/10/2001	4:33:22	1099	67.6	14.6	107	28000
06/10/2001	4:33:28	1099	67.5	14.6	107	28000
06/10/2001	4:33:32	1099	67.2	14.6	106	28000
06/10/2001	4:33:38	1100	67.1	14.6	107	28000
06/10/2001	4:33:42	1100	67.1	14.6	106	28000
06/10/2001	4:33:48	1098	67.1	14.6	107	28000
06/10/2001	4:33:52	1100	67.1	14.6	106	28000
06/10/2001	4:33:58	1097	66.9	14.6	107	28000
06/10/2001	4:34:02	1100	66.9	14.6	107	28000
06/10/2001	4:34:08	1100	67	14.6	106	28000
06/10/2001	4:34:12	1099	67	14.6	106	28000
06/10/2001	4:34:18	1098	67.1	14.6	107	28000
06/10/2001	4:34:22	1100	67.1	14.6	107	28000
06/10/2001	4:34:28	1098	67.1	14.6	107	28000
06/10/2001	4:34:32	1098	67.2	14.6	107	28000
06/10/2001	4:34:38	1100	67.2	14.6	107	28000
06/10/2001	4:34:42	1098	67.4	14.6	107	28000
06/10/2001	4:34:48	1099	67.4	14.6	107	28000
06/10/2001	4:34:52	1098	67.4	14.6	107	28000
06/10/2001	4:34:58	1097	67.5	14.6	108	28000
06/10/2001	4:35:02	1099	67.8	14.6	107	28000
06/10/2001	4:35:08	1097	68.1	14.6	107	28000
06/10/2001	4:35:12	1100	68.2	14.6	107	28000
06/10/2001	4:35:18	1098	68.2	14.6	108	28000
06/10/2001	4:35:22	1099	68.4	14.6	108	28000
06/10/2001	4:35:24	1099	68.4	14.6	108	28000
06/10/2001	4:35:32	1099	68.2	14.6	107	28000
06/10/2001	4:35:38	1100	68.1	14.6	106	28000
06/10/2001	4:35:42	1097	68	14.6	108	28000
06/10/2001	4:35:48	1099	68	14.6	108	28000
06/10/2001	4:35:52	1100	68	14.6	107	28000
06/10/2001	4:35:58	1098	67.9	14.6	107	28000
06/10/2001	4:36:02	1100	67.6	14.6	107	28000
06/10/2001	4:36:08	1099	67.6	14.6	106	28000

Table D1 – 100% Power Load

Control Date	Control Time	Turbine Exit Temp (°F)	Compressor In Temp (°F)	Ambient Pressure (psia)	Fuel Energy Flow BTU/sec	Power Demand (W)
06/10/2001	4:36:12	1099	67.6	14.6	106	28000
06/10/2001	4:36:18	1099	67.6	14.6	106	28000
06/10/2001	4:36:22	1098	67.6	14.6	107	28000
06/10/2001	4:36:28	1100	67.8	14.6	107	28000
06/10/2001	4:36:32	1098	68	14.6	108	28000
06/10/2001	4:36:38	1101	68.4	14.6	106	28000
06/10/2001	4:36:42	1099	68.6	14.6	106	28000
06/10/2001	4:36:48	1099	68.9	14.6	106	28000
06/10/2001	4:36:52	1098	69	14.6	108	28000
06/10/2001	4:36:58	1099	68.9	14.6	107	28000
06/10/2001	4:37:02	1099	68.8	14.6	107	28000
06/10/2001	4:37:08	1100	68.5	14.6	106	28000
06/10/2001	4:37:12	1099	68.4	14.6	107	28000
06/10/2001	4:37:18	1100	68.2	14.6	106	28000
06/10/2001	4:37:22	1098	68.1	14.6	107	28000
06/10/2001	4:37:28	1100	68	14.6	106	28000
06/10/2001	4:37:32	1098	67.8	14.6	107	28000
06/10/2001	4:37:38	1100	67.5	14.6	105	28000
06/10/2001	4:37:42	1098	67.5	14.6	106	28000
06/10/2001	4:37:48	1098	67.8	14.6	107	28000
06/10/2001	4:37:52	1099	68	14.6	107	28000
06/10/2001	4:37:58	1100	68.2	14.6	106	28000
06/10/2001	4:38:02	1099	68.2	14.6	106	28000
06/10/2001	4:38:04	1099	68.2	14.6	107	28000
06/10/2001	4:38:04	1099	68.2	14.6	107	28000
06/10/2001	4:38:18	1100	68.2	14.6	106	28000
06/10/2001	4:38:22	1099	68.2	14.6	107	28000
06/10/2001	4:38:28	1102	68.2	14.6	107	28000
06/10/2001	4:38:32	1099	68.4	14.6	106	28000
06/10/2001	4:38:38	1100	68.5	14.6	106	28000
06/10/2001	4:38:40	1098	68.5	14.6	107	28000
06/10/2001	4:38:40	1098	68.5	14.6	107	28000
06/10/2001	4:38:40	1098	68.5	14.6	107	28000
06/10/2001	4:38:58	1098	68.5	14.6	106	28000
06/10/2001	4:39:02	1098	68.4	14.6	107	28000
06/10/2001	4:39:08	1099	68	14.6	107	28000
06/10/2001	4:39:12	1101	67.8	14.6	106	28000

Table D1 – 100% Power Load

Control Date	Control Time	Turbine Exit Temp (°F)	Compressor In Temp (°F)	Ambient Pressure (psia)	Fuel Energy Flow BTU/sec	Power Demand (W)
06/10/2001	4:39:18	1100	67.6	14.6	106	28000
06/10/2001	4:39:22	1098	67.5	14.6	106	28000
06/10/2001	4:39:28	1098	67.4	14.6	106	28000
06/10/2001	4:39:32	1098	67.4	14.6	106	28000
06/10/2001	4:39:38	1097	67.4	14.6	108	28000
06/10/2001	4:39:42	1098	67.4	14.6	108	28000
06/10/2001	4:39:48	1097	67.5	14.6	107	28000
06/10/2001	4:39:52	1100	67.5	14.6	106	28000
06/10/2001	4:39:56	1099	67.8	14.6	106	28000
06/10/2001	4:39:56	1099	67.8	14.6	106	28000
06/10/2001	4:40:08	1099	67.9	14.6	106	28000
06/10/2001	4:40:12	1100	67.9	14.6	106	28000
06/10/2001	4:40:18	1098	67.9	14.6	107	28000
06/10/2001	4:40:18	1098	67.9	14.6	107	28000
06/10/2001	4:40:28	1100	68.1	14.6	106	28000
06/10/2001	4:40:30	1098	68.1	14.6	107	28000
06/10/2001	4:40:30	1098	68.1	14.6	107	28000
06/10/2001	4:40:42	1100	68	14.6	106	28000
06/10/2001	4:40:48	1101	67.9	14.6	106	28000
06/10/2001	4:40:50	1098	67.9	14.6	107	28000
06/10/2001	4:40:58	1101	67.8	14.6	106	28000
06/10/2001	4:41:02	1099	67.8	14.6	106	28000
06/10/2001	4:41:08	1099	67.6	14.6	106	28000
06/10/2001	4:41:12	1097	67.6	14.6	107	28000
06/10/2001	4:41:18	1099	67.6	14.6	106	28000
06/10/2001	4:41:22	1098	67.8	14.6	107	28000
06/10/2001	4:41:28	1098	67.6	14.6	108	28000
06/10/2001	4:41:32	1099	67.5	14.6	108	28000
06/10/2001	4:41:38	1100	67.4	14.6	106	28000
06/10/2001	4:41:42	1099	67.2	14.6	107	28000
06/10/2001	4:41:48	1100	67.1	14.6	107	28000
06/10/2001	4:41:52	1099	67.1	14.6	107	28000
06/10/2001	4:41:58	1098	67	14.6	107	28000
06/10/2001	4:42:02	1099	67.1	14.6	107	28000
06/10/2001	4:42:08	1102	67.4	14.6	106	28000
06/10/2001	4:42:12	1099	67.6	14.6	107	28000
06/10/2001	4:42:18	1099	68	14.6	107	28000

Table D1 – 100% Power Load

Control Date	Control Time	Turbine Exit Temp (°F)	Compressor In Temp (°F)	Ambient Pressure (psia)	Fuel Energy Flow BTU/sec	Power Demand (W)
06/10/2001	4:42:24	1101	68.2	14.6	106	28000
06/10/2001	4:42:28	1100	68.5	14.6	106	28000
06/10/2001	4:42:32	1097	68.5	14.6	107	28000
06/10/2001	4:42:38	1100	68.6	14.6	106	28000
06/10/2001	4:42:42	1099	68.6	14.6	106	28000
06/10/2001	4:42:42	1099	68.6	14.6	106	28000
06/10/2001	4:42:52	1098	68.6	14.6	107	28000
06/10/2001	4:42:52	1098	68.6	14.6	107	28000
06/10/2001	4:43:02	1101	68.6	14.6	106	28000
06/10/2001	4:43:08	1099	68.9	14.6	106	28000
06/10/2001	4:43:12	1098	69	14.6	107	28000
06/10/2001	4:43:18	1100	69.2	14.6	107	28000
06/10/2001	4:43:22	1101	69.1	14.6	106	28000
06/10/2001	4:43:28	1098	69	14.6	107	28000
06/10/2001	4:43:32	1099	68.6	14.6	107	28000
06/10/2001	4:43:38	1101	68.2	14.6	106	28000
06/10/2001	4:43:42	1099	68.1	14.6	106	28000
06/10/2001	4:43:46	1099	68	14.6	107	28000
06/10/2001	4:43:46	1099	68	14.6	107	28000
06/10/2001	4:43:58	1097	67.5	14.6	107	28000
06/10/2001	4:44:02	1101	67.4	14.6	106	28000
06/10/2001	4:44:06	1100	67.4	14.6	106	28000
06/10/2001	4:44:06	1100	67.4	14.6	106	28000
06/10/2001	4:44:18	1098	67.8	14.6	107	28000
06/10/2001	4:44:22	1098	67.8	14.6	107	28000
06/10/2001	4:44:28	1100	67.8	14.6	107	28000
06/10/2001	4:44:32	1099	67.8	14.6	107	28000
06/10/2001	4:44:38	1098	67.6	14.6	107	28000
06/10/2001	4:44:42	1098	67.6	14.6	107	28000
06/10/2001	4:44:48	1100	67.6	14.6	106	28000
06/10/2001	4:44:52	1099	67.5	14.6	106	28000
06/10/2001	4:44:58	1100	67.5	14.6	106	28000
06/10/2001	4:45:02	1098	67.5	14.6	106	28000
06/10/2001	4:45:08	1098	67.8	14.6	108	28000
06/10/2001	4:45:12	1100	67.9	14.6	107	28000
06/10/2001	4:45:18	1099	68.2	14.6	106	28000
06/10/2001	5:00:56	1099	68.6	14.6	106	28000

Table D1 – 100% Power Load

Control Date	Control Time	Turbine Exit Temp (°F)	Compressor In Temp (°F)	Ambient Pressure (psia)	Fuel Energy Flow BTU/sec	Power Demand (W)
06/10/2001	5:01:08	1099	68.4	14.6	106	28000
06/10/2001	5:01:14	1098	68.4	14.6	107	28000
06/10/2001	5:01:18	1099	68.2	14.6	107	28000
06/10/2001	5:01:22	1100	68.1	14.6	106	28000
06/10/2001	5:01:28	1098	68	14.6	107	28000
06/10/2001	5:01:32	1100	68.2	14.6	106	28000
06/10/2001	5:01:38	1099	68.2	14.6	107	28000
06/10/2001	5:01:42	1099	68.4	14.6	107	28000
06/10/2001	5:01:44	1101	68.2	14.6	106	28000
06/10/2001	5:01:52	1098	67.9	14.6	106	28000
06/10/2001	5:01:58	1100	67.6	14.6	106	28000
06/10/2001	5:02:02	1097	67.6	14.6	107	28000
06/10/2001	5:02:08	1099	67.8	14.6	107	28000
06/10/2001	5:02:12	1097	68	14.6	107	28000
06/10/2001	5:02:16	1099	68.1	14.6	107	28000
06/10/2001	5:02:16	1099	68.1	14.6	107	28000

Table D2 – 75% Power Load

Control Date	Control Time	Turbine Exit Temp (°F)	Compressor In Temp (°F)	Ambient Pressure (psia)	Fuel Energy Flow BTU/sec	Power Demand (W)
06/10/2001	5:02:28	1110	68.4	14.6	85	21000
06/10/2001	5:02:34	1100	68.5	14.6	85	21000
06/10/2001	5:02:38	1096	68.6	14.6	86	21000
06/10/2001	5:02:42	1098	68.5	14.6	85	21000
06/10/2001	5:02:42	1098	68.5	14.6	85	21000
06/10/2001	5:02:52	1100	68.8	14.6	84	21000
06/10/2001	5:02:52	1100	68.8	14.6	84	21000
06/10/2001	5:03:02	1101	68.9	14.6	85	21000
06/10/2001	5:03:08	1095	69	14.6	86	21000
06/10/2001	5:03:12	1098	69	14.6	86	21000
06/10/2001	5:03:18	1100	69.1	14.6	85	21000
06/10/2001	5:03:22	1097	69.2	14.6	86	21000
06/10/2001	5:03:28	1100	69.5	14.6	85	21000
06/10/2001	5:03:32	1099	69.8	14.6	85	21000
06/10/2001	5:03:38	1099	70	14.6	86	21000
06/10/2001	5:03:42	1101	70.1	14.6	85	21000
06/10/2001	5:03:48	1098	70.4	14.6	86	21000
06/10/2001	5:03:52	1102	70.4	14.6	85	21000
06/10/2001	5:03:58	1099	70.4	14.6	85	21000
06/10/2001	5:04:02	1096	70.2	14.6	87	21000
06/10/2001	5:04:08	1102	70	14.6	85	21000
06/10/2001	5:04:12	1098	70	14.6	86	21000
06/10/2001	5:04:18	1102	69.8	14.6	85	21000
06/10/2001	5:04:22	1098	69.8	14.6	86	21000
06/10/2001	5:04:28	1099	69.6	14.6	86	21000
06/10/2001	5:04:32	1099	69.5	14.6	86	21000
06/10/2001	5:04:38	1096	69.4	14.6	87	21000
06/10/2001	5:04:42	1098	69.2	14.6	86	21000
06/10/2001	5:04:48	1099	69.4	14.6	85	21000
06/10/2001	5:04:52	1099	69.2	14.6	86	21000
06/10/2001	5:04:58	1101	69.2	14.6	85	21000
06/10/2001	5:05:02	1099	69.4	14.6	85	21000
06/10/2001	5:05:08	1099	69.4	14.6	86	21000
06/10/2001	5:05:12	1100	69.2	14.6	85	21000
06/10/2001	5:05:18	1099	69.4	14.6	85	21000
06/10/2001	5:05:22	1098	69.5	14.6	86	21000
06/10/2001	5:05:22	1098	69.5	14.6	86	21000

Table D2 – 75% Power Load

Control Date	Control Time	Turbine Exit Temp (°F)	Compressor In Temp (°F)	Ambient Pressure (psia)	Fuel Energy Flow BTU/sec	Power Demand (W)
06/10/2001	5:05:32	1098	69.5	14.6	86	21000
06/10/2001	5:05:38	1100	69.4	14.6	85	21000
06/10/2001	5:05:42	1098	69.2	14.6	86	21000
06/10/2001	5:05:48	1100	69	14.6	86	21000
06/10/2001	5:05:52	1099	69	14.6	85	21000
06/10/2001	5:05:58	1099	69	14.6	86	21000
06/10/2001	5:06:02	1098	68.9	14.6	86	21000
06/10/2001	5:06:08	1098	68.8	14.6	86	21000
06/10/2001	5:06:12	1099	68.8	14.6	85	21000
06/10/2001	5:06:18	1100	68.8	14.6	85	21000
06/10/2001	5:06:22	1100	68.9	14.6	85	21000
06/10/2001	5:06:28	1099	69.1	14.6	86	21000
06/10/2001	5:06:32	1100	69.1	14.6	84	21000
06/10/2001	5:06:38	1099	69.1	14.6	85	21000
06/10/2001	5:06:40	1095	69.1	14.6	87	21000
06/10/2001	5:06:40	1095	69.1	14.6	87	21000
06/10/2001	5:06:52	1100	69.1	14.6	85	21000
06/10/2001	5:06:58	1098	69	14.6	86	21000
06/10/2001	5:07:02	1100	68.9	14.6	86	21000
06/10/2001	5:07:08	1100	68.6	14.6	86	21000
06/10/2001	5:07:12	1102	68.5	14.6	84	21000
06/10/2001	5:07:18	1098	68.4	14.6	85	21000
06/10/2001	5:07:22	1097	68.4	14.6	86	21000
06/10/2001	5:07:28	1098	68.1	14.6	86	21000
06/10/2001	5:07:32	1096	68.1	14.6	86	21000
06/10/2001	5:07:38	1101	68.1	14.6	85	21000
06/10/2001	5:07:42	1098	68.1	14.6	86	21000
06/10/2001	5:07:44	1100	68	14.6	85	21000
06/10/2001	5:07:54	1100	68	14.6	85	21000
06/10/2001	5:07:58	1098	68	14.6	86	21000
06/10/2001	5:08:02	1101	67.8	14.6	84	21000
06/10/2001	5:08:08	1100	67.8	14.6	85	21000
06/10/2001	5:08:12	1098	67.8	14.6	86	21000
06/10/2001	5:08:18	1099	67.8	14.6	85	21000
06/10/2001	5:08:22	1100	67.6	14.6	85	21000
06/10/2001	5:08:28	1099	67.6	14.6	85	21000
06/10/2001	5:08:32	1098	67.4	14.6	86	21000

Table D2 – 75% Power Load

Control Date	Control Time	Turbine Exit Temp (°F)	Compressor In Temp (°F)	Ambient Pressure (psia)	Fuel Energy Flow BTU/sec	Power Demand (W)
06/10/2001	5:08:38	1100	67.4	14.6	85	21000
06/10/2001	5:08:42	1098	67.2	14.6	86	21000
06/10/2001	5:08:48	1099	67.1	14.6	85	21000
06/10/2001	5:08:52	1099	67.1	14.6	85	21000
06/10/2001	5:08:58	1097	67.2	14.6	86	21000
06/10/2001	5:09:02	1099	67.4	14.6	85	21000
06/10/2001	5:09:08	1096	67.6	14.6	86	21000
06/10/2001	5:09:12	1096	67.9	14.6	86	21000
06/10/2001	5:09:18	1102	68.1	14.6	85	21000
06/10/2001	5:09:22	1099	68.2	14.6	86	21000
06/10/2001	5:09:28	1100	68.2	14.6	85	21000
06/10/2001	5:09:32	1099	68.2	14.6	85	21000
06/10/2001	5:09:38	1100	68	14.6	86	21000
06/10/2001	5:09:42	1099	68	14.6	85	21000
06/10/2001	5:09:48	1098	67.9	14.6	85	21000
06/10/2001	5:09:52	1096	67.9	14.6	87	21000
06/10/2001	5:09:58	1100	67.9	14.6	85	21000
06/10/2001	5:10:02	1101	68	14.6	85	21000
06/10/2001	5:10:08	1099	68.2	14.6	85	21000
06/10/2001	5:10:12	1098	68.4	14.6	85	21000
06/10/2001	5:10:18	1099	68.6	14.6	85	21000
06/10/2001	5:10:22	1098	68.6	14.6	86	21000
06/10/2001	5:10:22	1098	68.6	14.6	86	21000
06/10/2001	5:10:32	1098	68.4	14.6	86	21000
06/10/2001	5:10:38	1099	68	14.6	85	21000
06/10/2001	5:10:40	1099	67.9	14.6	85	21000
06/10/2001	5:10:40	1099	67.9	14.6	85	21000
06/10/2001	5:10:52	1099	67.6	14.6	85	21000
06/10/2001	5:10:58	1098	67.5	14.6	86	21000
06/10/2001	5:11:02	1099	67.2	14.6	85	21000
06/10/2001	5:11:08	1098	66.9	14.6	85	21000
06/10/2001	5:11:12	1098	66.6	14.6	86	21000
06/10/2001	5:11:18	1101	66.4	14.6	85	21000
06/10/2001	5:11:22	1099	66.2	14.6	84	21000
06/10/2001	5:11:22	1099	66.2	14.6	84	21000
06/10/2001	5:11:32	1095	66	14.6	85	21000
06/10/2001	5:11:34	1097	66	14.6	86	21000

Table D2 – 75% Power Load

Control Date	Control Time	Turbine Exit Temp (°F)	Compressor In Temp (°F)	Ambient Pressure (psia)	Fuel Energy Flow BTU/sec	Power Demand (W)
06/10/2001	5:11:34	1097	66	14.6	86	21000
06/10/2001	5:11:48	1099	65.8	14.6	85	21000
06/10/2001	5:11:52	1099	65.6	14.6	84	21000
06/10/2001	5:11:58	1100	65.5	14.6	84	21000
06/10/2001	5:12:02	1098	65.4	14.6	85	21000
06/10/2001	5:12:08	1099	65.1	14.6	84	21000
06/10/2001	5:12:12	1099	65.1	14.6	84	21000
06/10/2001	5:12:18	1098	65.2	14.6	85	21000
06/10/2001	5:12:22	1098	65.2	14.6	85	21000
06/10/2001	5:12:28	1098	65.4	14.6	84	21000
06/10/2001	5:12:32	1098	65.6	14.6	86	21000
06/10/2001	5:12:38	1102	66	14.6	84	21000
06/10/2001	5:12:42	1097	66.1	14.6	85	21000
06/10/2001	5:12:48	1099	66.2	14.6	85	21000
06/10/2001	5:12:52	1097	66.2	14.6	85	21000
06/10/2001	5:12:58	1098	66.5	14.6	85	21000
06/10/2001	5:13:02	1098	66.6	14.6	85	21000
06/10/2001	5:13:08	1100	66.8	14.6	84	21000
06/10/2001	5:13:12	1100	66.8	14.6	85	21000
06/10/2001	5:13:18	1102	66.6	14.6	84	21000
06/10/2001	5:13:22	1098	66.5	14.6	85	21000
06/10/2001	5:13:28	1100	66.2	14.6	85	21000
06/10/2001	5:13:32	1101	66.1	14.6	84	21000
06/10/2001	5:13:36	1098	65.8	14.6	86	21000
06/10/2001	5:13:36	1098	65.8	14.6	86	21000
06/10/2001	5:13:48	1097	65.4	14.6	85	21000
06/10/2001	5:13:52	1099	65.5	14.6	85	21000
06/10/2001	5:13:56	1101	65.6	14.6	85	21000
06/10/2001	5:13:56	1101	65.6	14.6	85	21000
06/10/2001	5:14:06	1100	65.6	14.6	85	21000
06/10/2001	5:14:06	1100	65.6	14.6	85	21000
06/10/2001	5:14:16	1102	65.8	14.6	84	21000
06/10/2001	5:14:16	1102	65.8	14.6	84	21000
06/10/2001	5:14:28	1096	65.9	14.6	85	21000
06/10/2001	5:14:32	1099	66.1	14.6	85	21000
06/10/2001	5:14:32	1099	66.1	14.6	85	21000
06/10/2001	5:14:42	1100	66.4	14.6	84	21000

Table D2 – 75% Power Load

Control Date	Control Time	Turbine Exit Temp (°F)	Compressor In Temp (°F)	Ambient Pressure (psia)	Fuel Energy Flow BTU/sec	Power Demand (W)
06/10/2001	5:14:48	1097	66.5	14.6	85	21000
06/10/2001	5:14:52	1098	66.6	14.6	85	21000
06/10/2001	5:14:58	1097	66.6	14.6	85	21000
06/10/2001	5:15:04	1103	66.6	14.6	83	21000
06/10/2001	5:15:08	1097	66.6	14.6	85	21000
06/10/2001	5:15:12	1101	66.6	14.6	85	21000
06/10/2001	5:15:18	1100	66.8	14.6	84	21000
06/10/2001	5:15:22	1098	66.6	14.6	86	21000
06/10/2001	5:15:26	1097	66.6	14.6	85	21000
06/10/2001	5:15:26	1097	66.6	14.6	85	21000
06/10/2001	5:15:38	1098	66.5	14.6	85	21000
06/10/2001	5:15:42	1100	66.5	14.6	84	21000
06/10/2001	5:15:48	1098	66.4	14.6	85	21000
06/10/2001	5:15:52	1101	66.4	14.6	84	21000
06/10/2001	5:15:58	1098	66.4	14.6	85	21000
06/10/2001	5:16:02	1100	66.4	14.6	85	21000
06/10/2001	5:16:08	1102	66.4	14.6	84	21000
06/10/2001	5:16:12	1099	66.5	14.6	85	21000
06/10/2001	5:16:18	1098	66.5	14.6	85	21000
06/10/2001	5:16:24	1101	66.5	14.6	84	21000
06/10/2001	5:16:28	1099	66.4	14.6	85	21000
06/10/2001	5:16:32	1098	66.4	14.6	85	21000
06/10/2001	5:16:38	1100	66.2	14.6	84	21000
06/10/2001	5:16:42	1100	66.2	14.6	84	21000
06/10/2001	5:16:48	1095	66.2	14.6	87	21000
06/10/2001	5:16:52	1101	66.1	14.6	85	21000
06/10/2001	5:16:58	1102	66.1	14.6	84	21000
06/10/2001	5:17:04	1099	66	14.6	84	21000
06/10/2001	5:17:08	1100	65.9	14.6	84	21000
06/10/2001	5:17:12	1098	65.9	14.6	85	21000
06/10/2001	5:17:18	1101	65.9	14.6	84	21000
06/10/2001	5:17:22	1098	66	14.6	85	21000
06/10/2001	5:17:28	1098	66	14.6	84	21000
06/10/2001	5:17:32	1097	66	14.6	85	21000
06/10/2001	5:17:38	1100	66	14.6	85	21000
06/10/2001	5:17:42	1098	66	14.6	84	21000
06/10/2001	5:17:46	1098	66.1	14.6	85	21000

Table D2 – 75% Power Load

Control Date	Control Time	Turbine Exit Temp (°F)	Compressor In Temp (°F)	Ambient Pressure (psia)	Fuel Energy Flow BTU/sec	Power Demand (W)
06/10/2001	5:17:46	1098	66.1	14.6	85	21000
06/10/2001	5:17:56	1099	66.4	14.6	85	21000
06/10/2001	5:17:56	1099	66.4	14.6	85	21000
06/10/2001	5:17:56	1099	66.4	14.6	85	21000
06/10/2001	5:17:56	1099	66.4	14.6	85	21000
06/10/2001	5:18:18	1098	66	14.6	86	21000
06/10/2001	5:18:24	1099	66.1	14.6	85	21000
06/10/2001	5:18:24	1101	66.1	14.6	84	21000
06/10/2001	5:18:24	1101	66.1	14.6	84	21000
06/10/2001	5:18:38	1097	65.8	14.6	85	21000
06/10/2001	5:18:42	1099	65.6	14.6	84	21000
06/10/2001	5:18:48	1100	65.5	14.6	84	21000
06/10/2001	5:18:54	1100	65.4	14.6	85	21000
06/10/2001	5:18:58	1099	65.5	14.6	85	21000
06/10/2001	5:19:02	1100	65.5	14.6	84	21000
06/10/2001	5:19:08	1100	65.6	14.6	84	21000
06/10/2001	5:19:12	1098	65.6	14.6	85	21000
06/10/2001	5:19:18	1100	65.8	14.6	85	21000
06/10/2001	5:19:22	1101	66	14.6	84	21000
06/10/2001	5:19:28	1098	66.2	14.6	85	21000
06/10/2001	5:19:32	1099	66.4	14.6	84	21000
06/10/2001	5:19:38	1102	66.5	14.6	84	21000
06/10/2001	5:19:42	1098	66.5	14.6	85	21000
06/10/2001	5:19:48	1103	66.6	14.6	83	21000
06/10/2001	5:19:52	1099	66.6	14.6	84	21000
06/10/2001	5:19:58	1097	66.6	14.6	85	21000
06/10/2001	5:19:58	1097	66.6	14.6	85	21000
06/10/2001	5:20:08	1099	66.5	14.6	85	21000
06/10/2001	5:20:12	1099	66.2	14.6	85	21000
06/10/2001	5:20:18	1100	66	14.6	85	21000
06/10/2001	5:20:22	1099	65.9	14.6	84	21000
06/10/2001	5:20:28	1098	65.8	14.6	85	21000
06/10/2001	5:20:30	1101	65.6	14.6	84	21000
06/10/2001	5:20:30	1101	65.6	14.6	84	21000
06/10/2001	5:20:42	1098	65.2	14.6	85	21000
06/10/2001	5:20:48	1100	65.2	14.6	85	21000
06/10/2001	5:20:52	1103	65	14.6	84	21000

Table D2 – 75% Power Load

Control Date	Control Time	Turbine Exit Temp (°F)	Compressor In Temp (°F)	Ambient Pressure (psia)	Fuel Energy Flow BTU/sec	Power Demand (W)
06/10/2001	5:20:56	1096	65.2	14.6	85	21000
06/10/2001	5:20:56	1096	65.2	14.6	85	21000
06/10/2001	5:21:08	1099	65.5	14.6	85	21000
06/10/2001	5:21:12	1101	65.8	14.6	85	21000
06/10/2001	5:21:18	1102	65.9	14.6	83	21000
06/10/2001	5:21:22	1099	66.1	14.6	85	21000
06/10/2001	5:21:28	1100	66.2	14.6	84	21000
06/10/2001	5:21:34	1099	66.4	14.6	85	21000
06/10/2001	5:21:38	1097	66.4	14.6	85	21000
06/10/2001	5:21:42	1100	66.2	14.6	84	21000
06/10/2001	5:21:48	1098	66.1	14.6	85	21000
06/10/2001	5:21:52	1099	65.9	14.6	85	21000
06/10/2001	5:21:58	1100	65.8	14.6	85	21000
06/10/2001	5:22:02	1098	65.6	14.6	85	21000
06/10/2001	5:22:08	1098	65.4	14.6	85	21000
06/10/2001	5:22:12	1100	65.4	14.6	85	21000
06/10/2001	5:22:18	1099	65.4	14.6	85	21000
06/10/2001	5:22:22	1098	65.4	14.6	86	21000
06/10/2001	5:22:28	1100	65.5	14.6	84	21000
06/10/2001	5:22:32	1098	65.6	14.6	85	21000
06/10/2001	5:22:38	1098	65.8	14.6	85	21000
06/10/2001	5:22:42	1100	65.8	14.6	85	21000
06/10/2001	5:22:48	1101	66.1	14.6	84	21000
06/10/2001	5:22:52	1098	66.4	14.6	85	21000
06/10/2001	5:22:58	1098	66.5	14.6	85	21000
06/10/2001	5:23:02	1099	66.6	14.6	85	21000
06/10/2001	5:23:08	1099	66.6	14.6	84	21000
06/10/2001	5:23:12	1098	66.6	14.6	85	21000
06/10/2001	5:23:18	1098	66.6	14.6	86	21000
06/10/2001	5:23:22	1102	66.5	14.6	83	21000
06/10/2001	5:23:28	1101	66.2	14.6	84	21000
06/10/2001	5:23:32	1098	66.1	14.6	85	21000
06/10/2001	5:23:38	1099	66.1	14.6	85	21000
06/10/2001	5:23:42	1101	66	14.6	83	21000
06/10/2001	5:23:46	1097	66	14.6	85	21000
06/10/2001	5:23:46	1097	66	14.6	85	21000
06/10/2001	5:23:58	1104	65.8	14.6	83	21000

Table D2 – 75% Power Load

Control Date	Control Time	Turbine Exit Temp (°F)	Compressor In Temp (°F)	Ambient Pressure (psia)	Fuel Energy Flow BTU/sec	Power Demand (W)
06/10/2001	5:24:02	1099	65.9	14.6	84	21000
06/10/2001	5:24:08	1098	66	14.6	84	21000
06/10/2001	5:24:12	1099	65.9	14.6	84	21000
06/10/2001	5:24:18	1097	66.1	14.6	86	21000
06/10/2001	5:24:18	1097	66.1	14.6	86	21000
06/10/2001	5:24:28	1101	66	14.6	84	21000
06/10/2001	5:24:32	1098	65.9	14.6	85	21000
06/10/2001	5:24:38	1097	65.6	14.6	85	21000
06/10/2001	5:24:42	1098	65.5	14.6	85	21000
06/10/2001	5:24:44	1099	65.6	14.6	85	21000
06/10/2001	5:24:44	1099	65.6	14.6	85	21000
06/10/2001	5:24:58	1098	65.2	14.6	85	21000
06/10/2001	5:25:02	1098	65.4	14.6	84	21000
06/10/2001	5:25:08	1099	65.6	14.6	84	21000
06/10/2001	5:25:12	1097	65.9	14.6	85	21000
06/10/2001	5:25:18	1101	66.1	14.6	83	21000
06/10/2001	5:25:22	1095	66.4	14.6	85	21000
06/10/2001	5:25:28	1101	66.8	14.6	84	21000
06/10/2001	5:25:32	1098	66.9	14.6	85	21000
06/10/2001	5:25:38	1100	67	14.6	84	21000
06/10/2001	5:25:42	1099	66.9	14.6	84	21000
06/10/2001	5:25:42	1099	66.9	14.6	84	21000
06/10/2001	5:25:52	1100	66.5	14.6	84	21000
06/10/2001	5:25:58	1097	66.2	14.6	85	21000
06/10/2001	5:26:00	1099	66.1	14.6	85	21000
06/10/2001	5:26:00	1099	66.1	14.6	85	21000
06/10/2001	5:26:12	1099	65.9	14.6	84	21000
06/10/2001	5:26:18	1095	65.8	14.6	86	21000
06/10/2001	5:26:22	1099	65.8	14.6	84	21000
06/10/2001	5:26:22	1099	65.8	14.6	84	21000
06/10/2001	5:26:32	1100	65.9	14.6	85	21000
06/10/2001	5:26:36	1097	66	14.6	86	21000
06/10/2001	5:26:36	1097	66	14.6	86	21000
06/10/2001	5:26:48	1100	66.5	14.6	85	21000
06/10/2001	5:26:52	1100	66.8	14.6	84	21000
06/10/2001	5:26:58	1097	67	14.6	85	21000
06/10/2001	5:27:02	1099	66.9	14.6	85	21000

Table D2 – 75% Power Load

Control Date	Control Time	Turbine Exit Temp (°F)	Compressor In Temp (°F)	Ambient Pressure (psia)	Fuel Energy Flow BTU/sec	Power Demand (W)
06/10/2001	5:27:08	1102	67	14.6	84	21000
06/10/2001	5:27:12	1098	67.1	14.6	85	21000
06/10/2001	5:27:18	1100	67.1	14.6	84	21000
06/10/2001	5:27:22	1099	67.1	14.6	84	21000
06/10/2001	5:27:28	1100	67.1	14.6	84	21000
06/10/2001	5:27:32	1098	66.9	14.6	85	21000
06/10/2001	5:27:38	1099	66.5	14.6	85	21000
06/10/2001	5:27:42	1099	66.4	14.6	85	21000
06/10/2001	5:27:48	1099	66.1	14.6	85	21000
06/10/2001	5:27:50	1099	66.1	14.6	85	21000
06/10/2001	5:28:02	1099	66	14.6	84	21000
06/10/2001	5:28:08	1101	65.9	14.6	84	21000
06/10/2001	5:28:12	1099	65.9	14.6	85	21000
06/10/2001	5:28:18	1100	66.1	14.6	85	21000
06/10/2001	5:28:22	1099	66.1	14.6	85	21000
06/10/2001	5:28:28	1098	66.2	14.6	85	21000
06/10/2001	5:28:32	1100	66.2	14.6	84	21000
06/10/2001	5:28:38	1098	66	14.6	85	21000
06/10/2001	5:28:42	1097	65.9	14.6	85	21000
06/10/2001	5:28:48	1101	65.8	14.6	85	21000
06/10/2001	5:28:52	1099	65.6	14.6	84	21000
06/10/2001	5:28:54	1097	65.8	14.6	85	21000
06/10/2001	5:28:54	1097	65.8	14.6	85	21000
06/10/2001	5:29:08	1100	66.1	14.6	84	21000
06/10/2001	5:29:12	1100	66.1	14.6	84	21000
06/10/2001	5:29:18	1098	66.1	14.6	85	21000
06/10/2001	5:29:22	1098	66.1	14.6	86	21000
06/10/2001	5:29:28	1099	66	14.6	85	21000
06/10/2001	5:29:32	1098	66	14.6	85	21000
06/10/2001	5:29:38	1102	66	14.6	83	21000
06/10/2001	5:29:38	1102	66	14.6	83	21000
06/10/2001	5:29:48	1101	66	14.6	85	21000
06/10/2001	5:29:52	1100	65.9	14.6	84	21000
06/10/2001	5:29:58	1099	65.9	14.6	85	21000
06/10/2001	5:30:02	1101	65.8	14.6	85	21000
06/10/2001	5:30:08	1100	65.6	14.6	84	21000
06/10/2001	5:30:12	1096	65.6	14.6	84	21000

Table D2 – 75% Power Load

Control Date	Control Time	Turbine Exit Temp (°F)	Compressor In Temp (°F)	Ambient Pressure (psia)	Fuel Energy Flow BTU/sec	Power Demand (W)
06/10/2001	5:30:18	1098	65.5	14.6	84	21000
06/10/2001	5:30:22	1098	65.4	14.6	85	21000
06/10/2001	5:30:28	1097	65	14.6	85	21000
06/10/2001	5:30:32	1101	64.8	14.6	83	21000
06/10/2001	5:30:38	1098	64.6	14.6	84	21000
06/10/2001	5:30:42	1099	64.5	14.6	85	21000
06/10/2001	5:30:48	1099	64.5	14.6	85	21000
06/10/2001	5:30:54	1100	64.6	14.6	85	21000
06/10/2001	5:30:58	1098	64.5	14.6	85	21000
06/10/2001	5:31:02	1099	64.8	14.6	84	21000
06/10/2001	5:31:08	1099	64.8	14.6	85	21000
06/10/2001	5:31:10	1098	64.9	14.6	85	21000
06/10/2001	5:31:18	1101	65	14.6	84	21000
06/10/2001	5:31:22	1096	65	14.6	86	21000
06/10/2001	5:31:28	1101	65	14.6	85	21000
06/10/2001	5:31:32	1098	65.2	14.6	84	21000
06/10/2001	5:31:38	1099	65.4	14.6	84	21000
06/10/2001	5:31:40	1098	65.4	14.6	84	21000
06/10/2001	5:31:40	1098	65.4	14.6	84	21000
06/10/2001	5:31:52	1100	65.5	14.6	84	21000
06/10/2001	5:31:58	1099	65.4	14.6	85	21000
06/10/2001	5:32:02	1100	65.4	14.6	84	21000
06/10/2001	5:32:08	1100	64.9	14.6	84	21000
06/10/2001	5:32:12	1102	64.9	14.6	84	21000
06/10/2001	5:32:18	1097	64.8	14.6	85	21000

Table D3 – 50% Power Load

Control Date	Control Time	Turbine Exit Temp (°F)	Compressor In Temp (°F)	Ambient Pressure (psia)	Fuel Energy Flow BTU/sec	Power Demand (W)
06/10/2001	5:32:22	1118	64.8	14.6	72	14000
06/10/2001	5:32:28	1134	64.9	14.6	70	14000
06/10/2001	5:32:32	1109	65.2	14.6	60	14000
06/10/2001	5:32:38	1109	65.6	14.6	61	14000
06/10/2001	5:32:42	1111	65.9	14.6	59	14000
06/10/2001	5:32:48	1106	66.2	14.6	60	14000
06/10/2001	5:32:52	1106	66.5	14.6	62	14000
06/10/2001	5:32:58	1111	66.9	14.6	60	14000
06/10/2001	5:33:02	1109	67.1	14.6	61	14000
06/10/2001	5:33:08	1109	67.5	14.6	60	14000
06/10/2001	5:33:08	1109	67.5	14.6	60	14000
06/10/2001	5:33:08	1109	67.5	14.6	60	14000
06/10/2001	5:33:08	1109	67.5	14.6	60	14000
06/10/2001	5:33:28	1112	68	14.6	59	14000
06/10/2001	5:33:32	1111	68.1	14.6	60	14000
06/10/2001	5:33:38	1111	68.2	14.6	59	14000
06/10/2001	5:33:42	1108	68.2	14.6	61	14000
06/10/2001	5:33:48	1113	68.1	14.6	59	14000
06/10/2001	5:33:52	1111	68.1	14.6	59	14000
06/10/2001	5:33:58	1111	68	14.6	61	14000
06/10/2001	5:34:02	1112	68	14.6	60	14000
06/10/2001	5:34:08	1112	68	14.6	60	14000
06/10/2001	5:34:12	1110	68.1	14.6	60	14000
06/10/2001	5:34:18	1113	68.2	14.6	58	14000
06/10/2001	5:34:22	1110	68.2	14.6	59	14000
06/10/2001	5:34:28	1109	68.2	14.6	60	14000
06/10/2001	5:34:32	1110	68.2	14.6	61	14000
06/10/2001	5:34:38	1111	68.2	14.6	60	14000
06/10/2001	5:34:42	1109	68.2	14.6	60	14000
06/10/2001	5:34:46	1112	68.2	14.6	59	14000
06/10/2001	5:34:46	1112	68.2	14.6	59	14000
06/10/2001	5:34:58	1109	68.4	14.6	61	14000
06/10/2001	5:35:02	1116	68.2	14.6	58	14000
06/10/2001	5:35:08	1109	68.1	14.6	60	14000
06/10/2001	5:35:12	1110	67.9	14.6	60	14000
06/10/2001	5:35:18	1110	67.8	14.6	59	14000
06/10/2001	5:35:22	1109	67.6	14.6	60	14000

Table D3 – 50% Power Load

Control Date	Control Time	Turbine Exit Temp (°F)	Compressor In Temp (°F)	Ambient Pressure (psia)	Fuel Energy Flow BTU/sec	Power Demand (W)
06/10/2001	5:35:28	1111	67.6	14.6	60	14000
06/10/2001	5:35:32	1111	67.5	14.6	59	14000
06/10/2001	5:35:38	1112	67.4	14.6	59	14000
06/10/2001	5:35:42	1110	67.2	14.6	60	14000
06/10/2001	5:35:48	1114	67.2	14.6	59	14000
06/10/2001	5:35:52	1109	67.2	14.6	60	14000
06/10/2001	5:35:58	1112	67.4	14.6	60	14000
06/10/2001	5:36:02	1111	67.2	14.6	60	14000
06/10/2001	5:36:08	1112	67.2	14.6	60	14000
06/10/2001	5:36:12	1112	67.1	14.6	59	14000
06/10/2001	5:36:14	1112	67.1	14.6	59	14000
06/10/2001	5:36:14	1112	67.1	14.6	59	14000
06/10/2001	5:36:28	1111	66.9	14.6	59	14000
06/10/2001	5:36:32	1108	66.9	14.6	60	14000
06/10/2001	5:36:38	1111	66.9	14.6	59	14000
06/10/2001	5:36:42	1113	67	14.6	58	14000
06/10/2001	5:36:48	1112	67	14.6	60	14000
06/10/2001	5:36:52	1113	67	14.6	59	14000
06/10/2001	5:36:58	1110	67.1	14.6	59	14000
06/10/2001	5:37:02	1110	67.1	14.6	59	14000
06/10/2001	5:37:08	1113	67.1	14.6	58	14000
06/10/2001	5:37:12	1110	67.1	14.6	59	14000
06/10/2001	5:37:14	1113	67.1	14.6	58	14000
06/10/2001	5:37:24	1113	67.1	14.6	58	14000
06/10/2001	5:37:28	1110	66.8	14.6	60	14000
06/10/2001	5:37:30	1111	66.6	14.6	60	14000
06/10/2001	5:37:38	1112	66.5	14.6	59	14000
06/10/2001	5:37:42	1112	66.4	14.6	59	14000
06/10/2001	5:37:48	1109	66.5	14.6	61	14000
06/10/2001	5:37:48	1109	66.5	14.6	61	14000
06/10/2001	5:37:58	1112	66.5	14.6	59	14000
06/10/2001	5:38:04	1116	66.5	14.6	58	14000
06/10/2001	5:38:08	1107	66.4	14.6	60	14000
06/10/2001	5:38:08	1107	66.4	14.6	60	14000
06/10/2001	5:38:18	1112	66.4	14.6	59	14000
06/10/2001	5:38:22	1112	66.4	14.6	59	14000
06/10/2001	5:38:28	1112	66.2	14.6	58	14000

Table D3 – 50% Power Load

Control Date	Control Time	Turbine Exit Temp (°F)	Compressor In Temp (°F)	Ambient Pressure (psia)	Fuel Energy Flow BTU/sec	Power Demand (W)
06/10/2001	5:38:32	1112	66.2	14.6	59	14000
06/10/2001	5:38:38	1112	66.1	14.6	59	14000
06/10/2001	5:38:42	1111	66	14.6	58	14000
06/10/2001	5:38:48	1110	66	14.6	61	14000
06/10/2001	5:38:50	1114	65.9	14.6	59	14000
06/10/2001	5:38:50	1114	65.9	14.6	59	14000
06/10/2001	5:39:02	1113	65.9	14.6	59	14000
06/10/2001	5:39:08	1114	65.8	14.6	59	14000
06/10/2001	5:39:12	1113	65.6	14.6	58	14000
06/10/2001	5:39:12	1113	65.6	14.6	58	14000
06/10/2001	5:39:22	1110	65.5	14.6	59	14000
06/10/2001	5:39:22	1110	65.5	14.6	59	14000
06/10/2001	5:39:32	1113	65.1	14.6	59	14000
06/10/2001	5:39:38	1112	64.8	14.6	60	14000
06/10/2001	5:39:42	1114	64.6	14.6	58	14000
06/10/2001	5:39:48	1113	64.4	14.6	59	14000
06/10/2001	5:39:52	1111	64.2	14.6	59	14000
06/10/2001	5:39:58	1112	64.1	14.6	60	14000
06/10/2001	5:40:02	1110	64.4	14.6	60	14000
06/10/2001	5:40:08	1117	65	14.6	58	14000
06/10/2001	5:40:12	1107	65.2	14.6	61	14000
06/10/2001	5:40:18	1109	65.5	14.6	60	14000
06/10/2001	5:40:22	1111	65.5	14.6	60	14000
06/10/2001	5:40:28	1113	65.5	14.6	59	14000
06/10/2001	5:40:32	1109	65.5	14.6	60	14000
06/10/2001	5:40:34	1110	65.5	14.6	61	14000
06/10/2001	5:40:34	1110	65.5	14.6	61	14000
06/10/2001	5:40:44	1114	65.5	14.6	59	14000
06/10/2001	5:40:44	1114	65.5	14.6	59	14000
06/10/2001	5:40:58	1109	65.5	14.6	59	14000
06/10/2001	5:41:02	1116	65.2	14.6	58	14000
06/10/2001	5:41:02	1116	65.2	14.6	58	14000
06/10/2001	5:41:12	1114	64.9	14.6	58	14000
06/10/2001	5:41:18	1111	64.6	14.6	59	14000
06/10/2001	5:41:22	1112	64.6	14.6	59	14000
06/10/2001	5:41:28	1110	64.6	14.6	59	14000
06/10/2001	5:41:32	1115	64.5	14.6	59	14000

Table D3 – 50% Power Load

Control Date	Control Time	Turbine Exit Temp (°F)	Compressor In Temp (°F)	Ambient Pressure (psia)	Fuel Energy Flow BTU/sec	Power Demand (W)
06/10/2001	5:41:38	1112	64.5	14.6	59	14000
06/10/2001	5:41:42	1112	64.5	14.6	58	14000
06/10/2001	5:41:48	1112	64.2	14.6	59	14000
06/10/2001	5:41:52	1112	64.1	14.6	59	14000
06/10/2001	5:41:58	1112	64	14.6	59	14000
06/10/2001	5:42:02	1111	63.9	14.6	59	14000
06/10/2001	5:42:08	1109	63.9	14.6	60	14000
06/10/2001	5:42:12	1111	64	14.6	60	14000
06/10/2001	5:42:18	1113	63.9	14.6	59	14000
06/10/2001	5:42:22	1112	63.9	14.6	58	14000
06/10/2001	5:42:28	1113	64	14.6	58	14000
06/10/2001	5:42:32	1110	64.1	14.6	60	14000
06/10/2001	5:42:38	1111	64.1	14.6	59	14000
06/10/2001	5:42:42	1110	64.1	14.6	59	14000
06/10/2001	5:42:48	1109	64	14.6	60	14000
06/10/2001	5:42:52	1115	64	14.6	58	14000
06/10/2001	5:42:56	1110	64	14.6	59	14000
06/10/2001	5:42:56	1110	64	14.6	59	14000
06/10/2001	5:43:08	1114	64	14.6	58	14000
06/10/2001	5:43:12	1112	64	14.6	59	14000
06/10/2001	5:43:18	1111	64.1	14.6	60	14000
06/10/2001	5:43:20	1113	64	14.6	59	14000
06/10/2001	5:43:20	1113	64	14.6	59	14000
06/10/2001	5:43:20	1113	64	14.6	59	14000
06/10/2001	5:43:38	1111	63.9	14.6	59	14000
06/10/2001	5:43:42	1111	64	14.6	60	14000
06/10/2001	5:43:48	1110	64	14.6	60	14000
06/10/2001	5:43:54	1110	64	14.6	59	14000
06/10/2001	5:43:58	1116	64	14.6	59	14000
06/10/2001	5:44:02	1113	64.2	14.6	59	14000
06/10/2001	5:44:08	1111	64.4	14.6	60	14000
06/10/2001	5:44:12	1112	64.6	14.6	59	14000
06/10/2001	5:44:18	1112	65	14.6	59	14000
06/10/2001	5:44:22	1112	65.1	14.6	59	14000
06/10/2001	5:44:28	1112	65.1	14.6	59	14000
06/10/2001	5:44:32	1113	65	14.6	58	14000
06/10/2001	5:44:38	1110	64.5	14.6	59	14000

Table D3 – 50% Power Load

Control Date	Control Time	Turbine Exit Temp (°F)	Compressor In Temp (°F)	Ambient Pressure (psia)	Fuel Energy Flow BTU/sec	Power Demand (W)
06/10/2001	5:44:42	1114	64.4	14.6	58	14000
06/10/2001	5:44:48	1111	64.1	14.6	59	14000
06/10/2001	5:44:52	1114	64	14.6	59	14000
06/10/2001	5:44:58	1113	63.9	14.6	59	14000
06/10/2001	5:45:02	1114	63.9	14.6	59	14000
06/10/2001	5:45:08	1112	63.9	14.6	59	14000
06/10/2001	5:45:12	1111	64	14.6	59	14000
06/10/2001	5:45:18	1109	64	14.6	59	14000
06/10/2001	5:45:22	1111	64	14.6	59	14000
06/10/2001	5:45:28	1111	64.2	14.6	60	14000
06/10/2001	5:45:32	1116	64.4	14.6	58	14000
06/10/2001	5:45:36	1111	64.6	14.6	59	14000
06/10/2001	5:45:42	1113	65	14.6	58	14000
06/10/2001	5:45:48	1112	65.2	14.6	58	14000
06/10/2001	5:45:52	1110	65.4	14.6	60	14000
06/10/2001	5:45:58	1111	65.5	14.6	59	14000
06/10/2001	5:46:02	1110	65.6	14.6	59	14000
06/10/2001	5:46:08	1113	65.6	14.6	59	14000
06/10/2001	5:46:12	1112	65.8	14.6	59	14000
06/10/2001	5:46:18	1112	65.8	14.6	59	14000
06/10/2001	5:46:22	1109	65.8	14.6	60	14000
06/10/2001	5:46:28	1112	65.9	14.6	59	14000
06/10/2001	5:46:32	1113	66	14.6	58	14000
06/10/2001	5:46:38	1110	66	14.6	59	14000
06/10/2001	5:46:42	1110	66	14.6	59	14000
06/10/2001	5:46:48	1110	66	14.6	59	14000
06/10/2001	5:46:52	1112	66	14.6	59	14000
06/10/2001	5:46:58	1110	65.9	14.6	59	14000
06/10/2001	5:47:02	1113	65.8	14.6	60	14000
06/10/2001	5:47:08	1113	65.5	14.6	58	14000
06/10/2001	5:47:12	1111	65.1	14.6	59	14000
06/10/2001	5:47:18	1110	65	14.6	60	14000
06/10/2001	5:47:22	1115	65	14.6	57	14000
06/10/2001	5:47:28	1112	65.1	14.6	59	14000
06/10/2001	5:47:32	1109	65.1	14.6	60	14000
06/10/2001	5:47:38	1116	65.1	14.6	58	14000
06/10/2001	5:47:42	1112	65.1	14.6	58	14000

Table D3 – 50% Power Load

Control Date	Control Time	Turbine Exit Temp (°F)	Compressor In Temp (°F)	Ambient Pressure (psia)	Fuel Energy Flow BTU/sec	Power Demand (W)
06/10/2001	5:47:46	1109	65.2	14.6	59	14000
06/10/2001	5:47:46	1109	65.2	14.6	59	14000
06/10/2001	5:47:46	1109	65.2	14.6	59	14000
06/10/2001	5:47:46	1109	65.2	14.6	59	14000
06/10/2001	5:48:08	1110	64.5	14.6	59	14000
06/10/2001	5:48:12	1113	64.2	14.6	58	14000
06/10/2001	5:48:18	1110	64.1	14.6	60	14000
06/10/2001	5:48:22	1110	64.1	14.6	60	14000
06/10/2001	5:48:26	1113	64.1	14.6	59	14000
06/10/2001	5:48:26	1113	64.1	14.6	59	14000
06/10/2001	5:48:38	1112	64	14.6	58	14000
06/10/2001	5:48:42	1109	64	14.6	59	14000
06/10/2001	5:48:48	1113	64	14.6	59	14000
06/10/2001	5:48:50	1109	64	14.6	60	14000
06/10/2001	5:48:58	1110	64	14.6	60	14000
06/10/2001	5:49:02	1110	64.1	14.6	59	14000
06/10/2001	5:49:08	1113	64	14.6	58	14000
06/10/2001	5:49:12	1116	64	14.6	58	14000
06/10/2001	5:49:18	1109	64	14.6	60	14000
06/10/2001	5:49:22	1115	64	14.6	58	14000
06/10/2001	5:49:28	1111	64	14.6	59	14000
06/10/2001	5:49:34	1114	64	14.6	58	14000
06/10/2001	5:49:38	1109	64.1	14.6	60	14000
06/10/2001	5:49:42	1114	64	14.6	59	14000
06/10/2001	5:49:48	1111	64	14.6	59	14000
06/10/2001	5:49:52	1110	64	14.6	59	14000
06/10/2001	5:49:58	1114	64	14.6	59	14000
06/10/2001	5:49:58	1114	64	14.6	59	14000
06/10/2001	5:50:08	1112	64	14.6	59	14000
06/10/2001	5:50:12	1114	64	14.6	59	14000
06/10/2001	5:50:18	1114	64	14.6	58	14000
06/10/2001	5:50:18	1114	64	14.6	58	14000
06/10/2001	5:50:28	1114	63.9	14.6	58	14000
06/10/2001	5:50:32	1110	64	14.6	59	14000
06/10/2001	5:50:38	1112	63.9	14.6	59	14000
06/10/2001	5:50:42	1113	63.9	14.6	59	14000
06/10/2001	5:50:42	1113	63.9	14.6	59	14000

Table D3 – 50% Power Load

Control Date	Control Time	Turbine Exit Temp (°F)	Compressor In Temp (°F)	Ambient Pressure (psia)	Fuel Energy Flow BTU/sec	Power Demand (W)
06/10/2001	5:50:52	1113	63.9	14.6	59	14000
06/10/2001	5:50:58	1111	63.9	14.6	59	14000
06/10/2001	5:51:00	1116	63.9	14.6	57	14000
06/10/2001	5:51:00	1116	63.9	14.6	57	14000
06/10/2001	5:51:12	1110	63.9	14.6	59	14000
06/10/2001	5:51:18	1111	63.9	14.6	59	14000
06/10/2001	5:51:22	1113	64	14.6	58	14000
06/10/2001	5:51:28	1112	64	14.6	59	14000
06/10/2001	5:51:32	1114	64.1	14.6	58	14000
06/10/2001	5:51:32	1114	64.1	14.6	58	14000
06/10/2001	5:51:42	1112	64	14.6	59	14000
06/10/2001	5:51:44	1111	64	14.6	60	14000
06/10/2001	5:51:44	1111	64	14.6	60	14000
06/10/2001	5:51:58	1117	64	14.6	57	14000
06/10/2001	5:52:02	1111	63.9	14.6	59	14000
06/10/2001	5:52:08	1112	64	14.6	59	14000
06/10/2001	5:52:12	1116	64	14.6	58	14000
06/10/2001	5:52:18	1114	64	14.6	59	14000
06/10/2001	5:52:22	1112	64	14.6	59	14000
06/10/2001	5:52:24	1113	64	14.6	59	14000
06/10/2001	5:52:24	1113	64	14.6	59	14000
06/10/2001	5:52:38	1113	64.1	14.6	59	14000
06/10/2001	5:52:42	1112	64.1	14.6	59	14000
06/10/2001	5:52:44	1111	64.1	14.6	59	14000
06/10/2001	5:52:52	1111	64	14.6	59	14000
06/10/2001	5:52:58	1110	63.9	14.6	59	14000
06/10/2001	5:52:58	1110	63.9	14.6	59	14000
06/10/2001	5:53:08	1109	64	14.6	59	14000
06/10/2001	5:53:12	1115	64	14.6	58	14000
06/10/2001	5:53:18	1117	63.9	14.6	57	14000
06/10/2001	5:53:22	1112	63.9	14.6	59	14000
06/10/2001	5:53:28	1111	63.9	14.6	60	14000
06/10/2001	5:53:32	1110	63.9	14.6	60	14000
06/10/2001	5:53:36	1114	64	14.6	58	14000
06/10/2001	5:53:36	1114	64	14.6	58	14000
06/10/2001	5:53:36	1114	64	14.6	58	14000
06/10/2001	5:53:52	1109	64	14.6	59	14000

Table D3 – 50% Power Load

Control Date	Control Time	Turbine Exit Temp (°F)	Compressor In Temp (°F)	Ambient Pressure (psia)	Fuel Energy Flow BTU/sec	Power Demand (W)
06/10/2001	5:53:58	1113	64	14.6	59	14000
06/10/2001	5:54:02	1113	64	14.6	59	14000
06/10/2001	5:54:08	1110	64	14.6	59	14000
06/10/2001	5:54:12	1113	64	14.6	59	14000
06/10/2001	5:54:12	1113	64	14.6	59	14000
06/10/2001	5:54:22	1117	64.1	14.6	58	14000
06/10/2001	5:54:28	1111	64.1	14.6	60	14000
06/10/2001	5:54:32	1112	64.1	14.6	59	14000
06/10/2001	5:54:38	1113	64.1	14.6	59	14000
06/10/2001	5:54:42	1113	64.2	14.6	58	14000
06/10/2001	5:54:48	1111	64.2	14.6	59	14000
06/10/2001	5:54:52	1110	64.2	14.6	60	14000
06/10/2001	5:54:58	1112	64.2	14.6	59	14000
06/10/2001	5:55:02	1110	64.1	14.6	60	14000
06/10/2001	5:55:08	1115	64.1	14.6	58	14000
06/10/2001	5:55:12	1112	64.1	14.6	59	14000
06/10/2001	5:55:18	1109	64.1	14.6	58	14000
06/10/2001	5:55:22	1106	64.1	14.6	59	14000
06/10/2001	5:55:28	1111	64.1	14.6	59	14000
06/10/2001	5:55:32	1112	64	14.6	59	14000
06/10/2001	5:55:38	1111	64	14.6	59	14000
06/10/2001	5:55:42	1114	64	14.6	58	14000
06/10/2001	5:55:46	1114	64	14.6	58	14000
06/10/2001	5:55:46	1114	64	14.6	58	14000
06/10/2001	5:55:46	1114	64	14.6	58	14000
06/10/2001	5:55:46	1114	64	14.6	58	14000
06/10/2001	5:56:04	1107	64	14.6	60	14000
06/10/2001	5:56:04	1107	64	14.6	60	14000
06/10/2001	5:56:18	1112	64	14.6	59	14000
06/10/2001	5:56:22	1113	64	14.6	59	14000
06/10/2001	5:56:28	1112	64	14.6	58	14000
06/10/2001	5:56:32	1113	64.1	14.6	58	14000
06/10/2001	5:56:38	1114	64.1	14.6	59	14000
06/10/2001	5:56:42	1110	64.1	14.6	61	14000
06/10/2001	5:56:48	1111	64.2	14.6	59	14000
06/10/2001	5:56:52	1112	64.1	14.6	59	14000
06/10/2001	5:56:52	1112	64.1	14.6	59	14000

Table D3 – 50% Power Load

Control Date	Control Time	Turbine Exit Temp (°F)	Compressor In Temp (°F)	Ambient Pressure (psia)	Fuel Energy Flow BTU/sec	Power Demand (W)
06/10/2001	5:57:02	1113	64.5	14.6	58	14000
06/10/2001	5:57:08	1113	64.8	14.6	58	14000
06/10/2001	5:57:12	1110	64.8	14.6	59	14000
06/10/2001	5:57:18	1111	64.6	14.6	60	14000
06/10/2001	5:57:22	1112	64.6	14.6	59	14000
06/10/2001	5:57:28	1113	64.5	14.6	59	14000
06/10/2001	5:57:32	1114	64.5	14.6	59	14000
06/10/2001	5:57:38	1113	64.4	14.6	58	14000
06/10/2001	5:57:42	1114	64.4	14.6	58	14000
06/10/2001	5:57:48	1111	64.4	14.6	59	14000
06/10/2001	5:57:52	1114	64.2	14.6	58	14000
06/10/2001	5:57:58	1110	64.1	14.6	59	14000
06/10/2001	5:58:02	1115	64.1	14.6	57	14000
06/10/2001	5:58:08	1111	64.1	14.6	58	14000
06/10/2001	5:58:08	1111	64.1	14.6	58	14000
06/10/2001	5:58:18	1114	64	14.6	59	14000
06/10/2001	5:58:22	1112	64	14.6	58	14000
06/10/2001	5:58:24	1111	64	14.6	59	14000
06/10/2001	5:58:24	1111	64	14.6	59	14000
06/10/2001	5:58:34	1110	64	14.6	60	14000
06/10/2001	5:58:42	1111	64.1	14.6	59	14000
06/10/2001	5:58:48	1113	64.4	14.6	59	14000
06/10/2001	5:58:52	1110	64.4	14.6	60	14000
06/10/2001	5:58:58	1112	64.4	14.6	60	14000
06/10/2001	5:59:02	1113	64.4	14.6	58	14000
06/10/2001	5:59:08	1110	64	14.6	59	14000
06/10/2001	5:59:12	1113	64	14.6	59	14000
06/10/2001	5:59:18	1112	64	14.6	59	14000
06/10/2001	5:59:22	1112	64	14.6	59	14000
06/10/2001	5:59:28	1114	64	14.6	58	14000
06/10/2001	5:59:32	1110	63.9	14.6	59	14000
06/10/2001	5:59:38	1113	63.9	14.6	58	14000
06/10/2001	5:59:42	1109	63.9	14.6	59	14000
06/10/2001	5:59:48	1111	64	14.6	59	14000
06/10/2001	5:59:52	1113	64	14.6	59	14000
06/10/2001	5:59:58	1112	63.9	14.6	59	14000
06/10/2001	6:00:02	1113	64	14.6	58	14000

Table D3 – 50% Power Load

Control Date	Control Time	Turbine Exit Temp (°F)	Compressor In Temp (°F)	Ambient Pressure (psia)	Fuel Energy Flow BTU/sec	Power Demand (W)
06/10/2001	6:00:08	1116	64	14.6	58	14000
06/10/2001	6:00:12	1111	64	14.6	58	14000
06/10/2001	6:00:18	1111	64	14.6	59	14000
06/10/2001	6:00:22	1114	64	14.6	58	14000
06/10/2001	6:00:26	1114	64.1	14.6	58	14000
06/10/2001	6:00:26	1114	64.1	14.6	58	14000
06/10/2001	6:00:36	1112	64	14.6	59	14000
06/10/2001	6:00:36	1112	64	14.6	59	14000
06/10/2001	6:00:48	1109	63.9	14.6	60	14000
06/10/2001	6:00:52	1116	63.9	14.6	58	14000
06/10/2001	6:00:54	1114	64	14.6	58	14000
06/10/2001	6:00:54	1114	64	14.6	58	14000
06/10/2001	6:01:08	1110	64	14.6	60	14000
06/10/2001	6:01:14	1112	64.1	14.6	59	14000
06/10/2001	6:01:18	1113	64	14.6	58	14000
06/10/2001	6:01:22	1115	64.1	14.6	59	14000
06/10/2001	6:01:28	1113	64.4	14.6	58	14000
06/10/2001	6:01:34	1109	64.5	14.6	58	14000
06/10/2001	6:01:38	1112	64.5	14.6	59	14000
06/10/2001	6:01:42	1115	64.6	14.6	58	14000
06/10/2001	6:01:42	1115	64.6	14.6	58	14000
06/10/2001	6:01:52	1110	64.8	14.6	59	14000
06/10/2001	6:01:58	1113	64.9	14.6	58	14000
06/10/2001	6:02:02	1107	64.8	14.6	61	14000