

Appendix C

Commissioning Schedule

Table 5.1A-7 Turbine Commissioning Schedule and Emissions Estimates
 Ref: GE Energy, 9/3/15, Estimated Commissioning Schedule and Emissions

Commissioning Phase	Phase #	Length, Hrs	Emissions, lbs/event					Emissions, Lbs/Hr			
			NOx	CO	VOC	PM10	NOx	CO	VOC	PM10	
Dry Fire GTG	1	12	0	0	0	0	0.00	0.00	0.00	0.00	
First Fire and Shutdown	2	16	292	1137	20	48	18.25	71.06	1.25	3.00	
Sync and Check E-stop	3	12	219	853	15	36	18.25	71.08	1.25	3.00	
AVR, Sync to Grid	4	12	666	1000	18	36	55.50	83.33	1.50	3.00	
Break In	5	8	444	667	12	24	55.50	83.38	1.50	3.00	
Dynamic Commissioning 1		3	167	250	5	9	55.67	83.33	1.67	3.00	
Dynamic Commissioning 2		3	204	218	4	9	68.00	72.67	1.33	3.00	
Dynamic Commissioning 3		3	68	232	4	9	22.67	77.33	1.33	3.00	
Dynamic Commissioning 4		3	80	267	5	9	26.67	89.00	1.67	3.00	
Dynamic Commissioning 5		3	90	294	6	9	30.00	98.00	2.00	3.00	
Dynamic Commissioning 6	6	3	102	311	6	9	34.00	103.67	2.00	3.00	
Dynamic Commissioning 7		3	114	322	7	9	38.00	107.33	2.33	3.00	
Dynamic Commissioning 8		3	126	330	8	9	42.00	110.00	2.67	3.00	
Dynamic Commissioning 9		3	139	340	8	9	46.33	113.33	2.67	3.00	
Dynamic Commissioning 10		3	154	352	9	9	51.33	117.33	3.00	3.00	
Base Load AVR	7	12	615	1407	35	36	51.25	117.25	2.92	3.00	
ECS Tuning-Break In		2	20	47	5	6	10.00	23.50	2.50	3.00	
ECS Startup		4	24	78	5	12	6.00	19.50	1.25	3.00	
ECS Tuning 1		1.5	6	21	2	6	4.00	14.00	1.33	4.00	
ECS Tuning 2		1.5	17	25	2	6	11.33	16.67	1.33	4.00	
ECS Tuning 3		1.5	20	22	2	6	13.33	14.67	1.33	4.00	
ECS Tuning 4		1.5	7	23	2	6	4.67	15.33	1.33	4.00	
ECS Tuning 5	8	1.5	8	27	2	6	5.33	18.00	1.33	4.00	
ECS Tuning 6		1.5	9	29	2	6	6.00	19.33	1.33	4.00	
ECS Tuning 7		1.5	10	31	2	6	6.67	20.67	1.33	4.00	
ECS Tuning 8		1.5	11	32	3	6	7.33	21.33	2.00	4.00	
ECS Tuning 9		1.5	13	33	3	6	8.67	22.00	2.00	4.00	
ECS Tuning 10		1.5	14	34	3	6	9.33	22.67	2.00	4.00	
ECS Tuning 11		1.5	15	35	4	6	10.00	23.33	2.67	4.00	
Prelim Performance Test	9	8	41	40	12	32	5.13	5.00	1.50	4.00	
PPA Performance Test	10	8	41	40	12	32	5.13	5.00	1.50	4.00	
Reliability Test	11	72	396	360	103	288	5.50	5.00	1.43	4.00	
		Hrs	NOx, lbs	CO, lbs	VOC, lbs	PM10, lbs	PM2.5, lbs	<small>(PM2.5 assumed equal to PM10)</small>			
Firing Hours without Catalyst		125	3480	7980	162	270	270.00				
Firing Hours with Catalyst		88	626	878	165	436	436.00				
Totals		213	4106	8858	327	706	706.00				
<i>Period Avg, lbs/hr</i>			19.28	41.59	1.54	3.31	3.31				