

Availability at Daily Maximum Demand Hour

ST-Coal	7,864 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,352 MW
Distillate	0 MW
Others	0 MW
Gas	9,434 MW
Co-Gen	0 MW
Total System	21,580 MW

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 3/26/2024	420,162 MWH

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
Total Gas	0	Total	0
Total Gas Required		0	

Alternate Fuel Usage

Set On Bus And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	19,330 MW
Spinning Reserve	1,088 MW
Maximum Demand	18,185 MW
Net Energy	395,235 MWH
Load Factor	91 %

Generation Mix

Type	MWh	Percentage
ST-Coal	185,595	46.96 %
LSS	6,415	1.62 %
Hydro	28,655	7.25 %
Gas	175,805	44.48 %
Co-Gen	-81	-0.02 %
Total Generation	396,389	100.29 %
PLTG	430	0.11 %
HVDC	724	0.18 %
Interconnection	1,154	0.29 %
Net Energy	395,235	100.00 %

Fuel Cost

Total Cost:	96,346,316.48 RM
Cost per Unit	24.21 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	541
Hydro	342
Syncon	404
Thermal	133
Total	1,420

Time	Weather	Temperature
Afternoon	Rainy	32
Morning	Rainy	26

Hourly System MW Generation

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
System Total	16893	16188	15599	15147	14754	14400	14495	14674	14810	16249	16989	17289	17030	16704	16881	17785	18165	17882	16974	16849	17765	17589	17026	16883

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, April 2, 2024 5:18:21 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Friday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300																									
Total Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	2	70	167	275	408	530	643	691	757	812	847	889	988	911	918	889	744	633	541	420	325	214	117	30	1	0	0	0	0	0	0	0	0	0		
PCUF	CUFG	25	22	27	25	28	28	29	27	27	28	27	28	27	26	25	25	24	24	24	23	25	25	24	26	24	25	24	24	24	26	24	26	28	26	27	26	26	26	26	26	26	26	26	26	26	26	26		
PCUF	CUFK	31	28	30	29	31	29	29	30	29	30	29	30	29	31	28	29	28	31	29	28	30	31	29	30	30	31	29	29	29	28	30	31	29	28	32	30	31	30	30	29	29	26	30	29	29	32	28	31	
PFTZ	PFTZ	6	6	6	5	6	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	5	5	6	6	6	6	6	6	7	7	7	6	6	6	6	5	5	5	5	5	5	5	5	5		
Total NEDA Co-Gen		62	56	63	59	65	62	63	61	62	62	61	63	63	62	59	62	59	60	58	62	59	58	59	62	60	60	61	59	62	59	60	59	58	60	63	60	61	67	62	64	62	61	60	60	60	61	64	59	62
Total NEDA Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Generation		16940	16703	16291	15890	15699	15448	15259	15013	14844	14664	14507	14475	14590	14669	14758	14746	14905	15822	16315	16651	17074	17265	17365	17380	17171	17108	16848	16770	17019	17594	17957	18204	18312	18313	17985	17545	17099	16905	16998	17717	17881	17799	17700	17435	17140	17065	16962	16829	
ESTL	ESTL	-22	-33	-31	-30	-32	-22	-23	-24	-28	-22	-34	-22	-32	-18	-27	-15	-25	-25	-20	-24	-20	-24	-24	-23	-23	-30	-30	-29	-28	-30	-34	-30	-30	-22	-18	-30	-27	-32	-28	-19	-22	-21	-22	-33	-24	-20	-22	-32	
KHTC	BLK1	-33	-30	-29	-29	-29	-28	-28	-28	-26	-28	-26	-26	-22	-28	-28	-31	-34	-35	-38	-40	-40	-46	-43	-47	-47	-47	-47	-51	-50	-51	-50	-53	-53	-51	-49	-47	-48	-47	-48	-45	-45	-43	-37	-38	-38	-34	-34		
Total Franchise Area		-55	-63	-60	-59	-61	-50	-51	-52	-54	-50	-60	-48	-54	-46	-55	-43	-56	-59	-55	-62	-60	-64	-70	-66	-70	-77	-77	-76	-79	-80	-85	-80	-83	-75	-69	-79	-74	-80	-75	-67	-67	-66	-65	-70	-62	-58	-56	-66	
Singapore		-36	29	16	22	12	46	33	50	11	-13	19	29	13	8	2	10	12	11	-16	-10	-1	9	-20	30	45	50	41	-7	31	47	61	53	37	27	8	28	24	39	46	8	22	4	19	-13	24	-18	-3	20	
Thailand		31	29	30	30	30	30	31	29	29	32	31	31	31	30	30	29	31	31	31	29	29	32	30	29	30	29	30	30	31	31	30	30	30	30	30	30	31	31	31	31	30	30	30	30	30	30	29	29	
Interconnection		-5	58	46	52	42	76	64	79	39	19	50	60	44	37	32	39	43	42	15	19	29	40	10	60	75	79	71	23	63	78	91	83	68	57	38	58	55	70	77	39	52	34	49	17	55	12	26	49	
Total Demand		16893	16585	16188	15782	15599	15325	15147	14885	14754	14598	14400	14370	14495	14589	14674	14667	14810	15725	16249	16574	16989	17165	17289	17258	17030	16956	16704	16675	16881	17440	17785	18045	18165	18185	17882	17412	16974	16759	16849	17614	17765	17702	17589	17351	17026	16998	16883	16717	
SRev ST-Coal		233	233	240	226	253	180	187	175	220	243	238	220	240	264	238	244	168	71	112	110	114	115	101	119	148	120	89	129	140	138	140	146	143	143	154	147	159	139	150	146	146	146	148	144	129	115	117	123	
SRev CCGT-Gas		1017	626	822	1244	1414	1626	1599	1832	1907	2064	2225	2279	2144	2039	1974	1801	1807	1081	639	561	410	493	627	610	729	924	1213	1439	1106	696	518	428	329	329	419	717	1048	1172	941	348	333	374	404	546	705	699	805	813	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		1	0	0	0	0	0	0	0	0	0	0	1	-3	2	0	0	1	-1	-1	1	0	0	0	0	0	0	0	1	1	0	0	-1	0	0	-2	0	0	-2	0	0	0	-1	1	-2	0	-1	-1	0	
Syncon		525	525	525	525	525	374	374	374	374	374	374	374	374	374	374	676	676	676	676	525	676	374	374	374	374	374	374	500	500	500	500	313	313	313	313	313	313	313	313	313	313	313	313	313	313	313	313		
Hydro		458	455	455	455	455	454	584	587	586	586	584	584	585	584	319	319	316	370	502	319	458	327	380	494	625	670	543	542	383	268	289	294	303	287	338	331	330	365	216	190	231	268	297	299	254	244	266		
S.Reserve Total		2234	1839	2042	2450	2647	2785	2744	2968	3087	3267	3423	3458	3339	3264	3170	3040	2971	2143	1796	1699	1519	1440	1429	1483	1745	2043	2346	2612	2289	1717	1426	1175	1079	1088	1171	1515	1851	1952	1769	1023	982	1062	1162	1298	1446	1380	1478	1515	