

Availability at Daily Maximum Demand Hour

ST-Coal	9,211 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,240 MW
Hydro	2,379 MW
Distillate	0 MW
Others	0 MW
Gas	7,989 MW
Co-Gen	0 MW
Total System	21,409 MW

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	29	Total	0
TJGS	151		
CBPS	40		
EMPP	160		
KLPP	40		
NPRI	21		
PCGP	78		
PLPS	40		
SKSP	43		
SPGP	180		
Total Gas	783		

Alternate Fuel Usage

Set On Bus And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	18,579 MW
Spinning Reserve	1,035 MW
Maximum Demand	17,608 MW
Net Energy	371,190 MWH
Load Factor	88 %

Generation Mix

Type	MWh	Percentage
ST-Coal	214,511	57.79 %
LSS	7,301	1.97 %
Hydro	34,115	9.19 %
Gas	113,959	30.70 %
Co-Gen	284	0.08 %
Total Generation	370,170	99.73 %
PLTG	-334	-0.09 %
HVDC	-686	-0.18 %
Interconnection	-1,020	-0.27 %
Net Energy	371,190	100.00 %

Fuel Cost

Total Cost:	86,975,347.37 RM
Cost per Unit	23.44 cents/kWH

Total Gas Required 783

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,175
Hydro	419
Syncon	326
Thermal	155
Total	2,075

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

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	14819	14093	13700	13223	13022	12854	13090	13365	13863	15291	15847	16168	15951	15722	16241	17033	17486	17488	16660	16448	17573	17292	16812	16459

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, February 12, 2024 11:31:15 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																								
ESTL	ESTL	21	20	25	21	23	24	26	15	22	27	12	26	24	32	33	22	26	12	20	20	16	29	18	10	15	22	22	28	31	25	29	30	29	24	30	32	31	29	26	26	30	12	22	27	30	30	31	32
PCUF	CUFG	3	5	4	4	4	3	2	3	3	4	3	5	3	6	3	5	4	4	4	4	5	4	3	3	3	4	3	4	4	4	4	4	4	3	3	2	5	3	3	4	4	4	3	4	4	5	3	
PCUF	CUFK	4	5	3	3	5	4	3	4	4	3	3	2	8	3	5	3	4	3	4	5	4	4	3	4	3	3	3	5	4	5	3	3	4	4	1	1	4	3	4	4	5	4	3	4	2	4	5	
PFTZ	PFTZ	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
Total NEDA Co-Gen		42	44	46	42	46	45	45	36	43	49	32	48	43	60	53	46	47	34	41	42	40	51	39	31	37	43	44	49	55	48	53	52	51	47	52	51	49	53	47	48	53	36	45	48	53	51	55	55
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
Total Generation		14801	14396	14090	13828	13671	13437	13234	13089	13012	12900	12833	12997	13073	13366	13350	13578	13865	14852	15275	15606	15849	16098	16163	16156	15945	15807	15685	15868	16265	16607	17004	17147	17478	17593	17511	17148	16680	16343	16457	17261	17548	17408	17260	17085	16833	16689	16456	16190
KHTC	BLK1	-24	-26	-25	-23	-23	-19	-18	-20	-18	-21	-20	-19	-20	-21	-23	-28	-27	-32	-31	-35	-35	-36	-38	-41	-42	-47	-46	-46	-48	-53	-52	-52	-52	-52	-51	-48	-49	-41	-39	-38	-39	-38	-39	-34	-33	-32	-29	-27
Total Franchise Area		-24	-26	-25	-23	-23	-19	-18	-20	-18	-21	-20	-19	-20	-21	-23	-28	-27	-32	-31	-35	-35	-36	-38	-41	-42	-47	-46	-46	-48	-53	-52	-52	-52	-52	-51	-48	-49	-41	-39	-38	-39	-38	-39	-34	-33	-32	-29	-27
Singapore		-10	-21	3	-28	-20	6	24	21	4	-22	-10	0	-5	-33	-7	-21	7	-14	-14	-6	0	-10	-11	-49	-16	-67	-51	-47	8	-38	-49	-34	-28	-34	5	4	3	2	2	-24	-32	-25	-39	-17	20	-7	0	10
Thailand		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
Interconnection		-39	-49	-25	-57	-49	-23	-4	-7	-25	-51	-38	-28	-34	-61	-35	-50	-21	-42	-43	-34	-29	-39	-39	-77	-44	-95	-79	-76	-20	-67	-77	-62	-56	-63	-24	-24	-25	-27	-27	-52	-61	-54	-68	-46	-9	-35	-29	-18
Total Demand		14819	14422	14093	13865	13700	13444	13223	13079	13022	12933	12854	13009	13090	13409	13365	13604	13863	14866	15291	15609	15847	16105	16168	16196	15951	15859	15722	15902	16241	16625	17033	17161	17486	17608	17488	17128	16660	16333	16448	17278	17573	17427	17292	17100	16812	16695	16459	16184
S.Rev ST-Coal		142	196	200	287	316	336	363	379	523	490	435	385	368	368	376	362	263	215	149	146	144	133	141	120	142	145	132	128	139	137	145	117	148	143	188	142	171	151	424	243	189	142	203	217	220	205	212	200
S.Rev CCGT-Gas		1653	2023	2318	2439	2513	2550	2510	2511	2564	2508	2510	2516	2516	2493	2614	2498	2571	1720	1458	1510	1393	1398	1410	1566	1782	1960	2026	1978	1788	1293	906	766	622	434	674	1033	1351	1727	1499	1031	1217	1043	950	1040	1084	1410	1295	1117
S.Rev Co-Gen		0	1	0	0	0	-4	-2	0	0	-1	0	0	1	0	-1	1	0	0	-2	1	-1	-2	1	0	0	2	-1	1	0	-1	0	0	-1	0	0	-1	0	0	-4	0	-1	0	2	-2	-3	0	0	1
Syncon		187	187	187	374	374	374	676	676	676	676	676	676	676	676	676	676	676	676	676	525	525	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	338
Hydro		539	522	531	409	386	476	415	453	506	436	422	380	436	434	448	560	412	356	358	344	381	352	358	352	362	342	357	304	306	254	244	372	474	463	481	370	550	550	567	567	489	646	467	541	679	510	485	571
S.Reserve Total		2521	2929	3236	3509	3589	3732	3962	4019	4269	4109	4043	3957	3997	3971	4113	4097	3930	2975	2647	2534	2450	2378	2407	2535	2775	2939	3002	2914	2736	2173	1783	1558	1247	1035	1352	1546	2083	2432	2507	1840	1895	2020	1805	1982	2170	2312	2179	2227