

Availability at Daily Maximum Demand Hour

ST-Coal	10,636 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,537 MW
Distillate	0 MW
Others	0 MW
Gas	9,492 MW
Co-Gen	0 MW
Total System	24,595 MW

Maximum Demand Record

Date: 4/29/2024	20,028 MW
Date: 4/3/2024	423,300 MWH

Set On Bus And MD

Daily Maximum Demand Hour at:	00:00:00 Hour
Total Set On Bus	19,240 MW
Spinning Reserve	1,575 MW
Maximum Demand	17,643 MW
Net Energy	374,057 MWH
Load Factor	88 %

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	126
CBPS	42
EMPP	237
NPRI	69
PCGP	79
SPGP	185
Total Gas	766
Total Gas Required	766

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	237,266	63.43 %
LSS	9,604	2.57 %
Hydro	11,913	3.18 %
Gas	116,191	31.06 %
Co-Gen	6	0.00 %
Total Generation	374,980	100.25 %
PLTG	194	0.05 %
HVDC	729	0.19 %
Interconnection	923	0.25 %
Net Energy	374,057	100.00 %

Fuel Cost

Total Cost:	81,704,411.40 RM
Cost per Unit	21.72 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,517
Hydro	297
Syncon	1,105
Thermal	446
Total	3,365

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

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	17643	17135	16475	15871	15296	15037	14643	14111	13018	13171	13571	13934	14146	14693	15373	15911	16247	16063	15879	16195	17100	17506	17429	17315

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, May 2, 2024 5:21:55 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Sunday

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																								
PCUF	CUFG	21	21	21	21	20	20	20	21	21	22	23	22	22	22	21	20	19	19	19	19	21	20	22	20	20	21	21	19	22	21	21	22	22	22	22	23	21	22	22	23	22	23	22	23	22			
PCUF	CUFK	10	10	10	9	9	9	10	8	10	10	11	9	9	10	12	12	10	6	11	9	10	9	11	16	15	13	4	4	3	6	1	4	3	4	4	4	4	4	3	3	3	3	3	3	0			
Total NEDA Co-Gen		51	50	50	40	37	47	51	49	53	56	56	57	43	53	43	53	38	58	50	56	55	51	49	56	49	52	49	54	55	53	56	45	43	48	46	44	49	37	45	47	41	41	53	54	47	25	46	33
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		17714	17574	17209	16946	16562	16304	15954	15720	15406	15293	15070	14912	14703	14622	14193	13372	13064	13201	13209	13377	13613	13834	14005	14225	14226	14442	14811	15212	15538	15830	16028	16091	16355	16376	16150	16058	15983	16057	16288	16638	17176	17568	17562	17589	17510	17477	17418	17292
KHTC	BLK1	-51	-49	-45	-50	-47	-47	-44	-43	-44	-43	-38	-36	-37	-37	-36	-35	-40	-43	-48	-48	-51	-53	-55	-55	-59	-60	-63	-68	-65	-71	-75	-65	-55	-54	-53	-50	-51	-48	-45	-42	-38	-40	-39	-35	-38	-40	-35	
PFTZ	PFTZ	-1	-1	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 Franchise Area		-52	-50	-45	-50	-47	-47	-44	-43	-44	-43	-38	-36	-37	-37	-36	-35	-40	-43	-48	-48	-51	-53	-55	-55	-59	-60	-63	-68	-65	-71	-75	-65	-55	-54	-53	-50	-51	-48	-45	-42	-38	-40	-39	-35	-38	-40	-35	
Singapore		-9	26	2	18	12	28	13	23	37	23	-31	10	-3	18	16	-2	-17	-27	-31	-24	-34	-36	-9	-5	0	-12	32	6	69	45	19	12	16	10	6	15	27	19	18	27	6	13	-10	5	18	-6	36	19
Thailand		31	29	30	31	31	29	29	31	31	31	29	29	31	32	29	32	29	30	30	31	31	32	29	29	29	29	29	29	32	31	31	31	31	31	30	30	31	31	31	31	31	32	29	29	31	31	29	31
Interconnection		22	55	32	49	43	57	42	55	69	54	-2	39	26	49	48	27	15	2	-1	6	-2	-4	22	24	29	17	62	36	101	75	50	43	47	41	37	45	58	50	48	57	37	42	19	36	49	25	66	50
Total Demand		17643	17472	17135	16850	16475	16203	15871	15625	15296	15199	15037	14840	14643	14539	14111	13313	13018	13163	13171	13327	13571	13791	13934	14150	14146	14370	14693	15117	15373	15694	15911	15977	16247	16284	16063	15964	15879	15960	16195	16539	17100	17491	17506	17517	17429	17417	17315	17210
SRev ST-Coal		199	168	166	173	180	201	221	204	208	325	446	450	638	591	567	765	614	651	765	769	766	728	763	671	657	744	643	572	407	366	327	353	344	333	312	329	335	280	264	281	268	273	255	254	248	267	254	276
SRev CCGT-Gas		277	198	350	549	850	1088	1442	1693	2022	1924	2094	2159	2112	2206	2277	2413	2703	2863	2821	2807	2797	2772	2817	2806	2747	2528	2246	1936	1943	1536	1644	1431	1318	1408	1535	1571	1647	1433	1122	886	592	195	184	170	182	176	264	172
SRev Co-Gen		2	1	-3	0	-1	1	0	0	0	3	-1	-1	-1	-3	0	1	0	0	0	0	1	0	1	0	0	0	2	1	0	0	0	2	2	4	0	-1	0	0	0	0	-2	1	0	-1	0	2	-1	
Syncon		500	500	890	1129	1230	1230	1230	1230	1079	1230	1230	1230	1230	1079	1079	1079	1230	1230	1230	1230	1230	1079	1230	1230	1079	1079	1079	1230	1230	1079	1230	1230	1230	1230	1230	1230	1079	1079	1079	1142	903	903	903	903	802	802	802	
Hydro		597	656	481	289	261	270	270	268	404	270	268	257	245	411	402	405	268	297	293	292	251	413	283	275	287	413	361	380	252	250	379	248	169	171	229	225	229	356	348	379	95	338	336	314	378	381	386	415
S.Reserve Total		1575	1523	1884	2140	2520	2790	3163	3395	3713	3752	4037	4095	4224	4284	4325	4663	4815	5041	5109	5098	5045	4992	5094	4982	4921	4764	4331	3968	3832	3382	3429	3262	3063	3144	3310	3355	3440	3148	2813	2625	2097	1707	1679	1641	1710	1626	1708	1664