

Availability at Daily Maximum Demand Hour

ST-Coal	9,610 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,300 MW
Distillate	0 MW
Others	0 MW
Gas	9,267 MW
Co-Gen	0 MW
Total System	23,357 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:	20:30:00 Hour
Total Set On Bus	19,377 MW
Spinning Reserve	1,020 MW
Maximum Demand	18,321 MW
Net Energy	391,726 MWH
Load Factor	89 %

Gas Usage

Station	(mmscfd)
GLGR	49
SRDG	8
TJGS	165
CBPS	45
EMPP	276
KLPP	10
NPRI	66
PCGP	73
SGRI	13
SKSP	50
SPGP	186
Total Gas	940

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	230,122	58.75 %
LSS	9,264	2.36 %
Hydro	12,968	3.31 %
Gas	140,985	35.99 %
Co-Gen	-415	-0.11 %
Total Generation	392,924	100.31 %
PLTG	-226	-0.06 %
HVDC	1,424	0.36 %
Interconnection	1,198	0.31 %
Net Energy	391,726	100.00 %

Fuel Cost

Total Cost:	97,251,824.35 RM
Cost per Unit	24.67 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,138
Hydro	301
Syncon	762
Thermal	227
Total	2,428

Total Gas Required 940

Time Weather Temperature

Afternoon	Hot	32
Morning	Cloudy	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	17610	16803	16105	15559	14961	14719	14624	14311	13898	14873	15650	16237	16198	15924	16531	16949	17167	17130	16743	17035	18283	18308	17972	17749

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, May 21, 2024 5:39:15 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Saturday

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 Hydro		597	449	377	332	295	275	316	276	288	249	229	276	262	278	263	218	236	234	294	229	269	259	609	256	235	222	222	223	288	238	224	264	224	538	511	304	287	364	649	1555	1718	1655	1644	1516	1459	1436	1330	1042								
Total Distillate		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	0	0	0	0			
Total Solar		0	0	0	0	0	0	0	0	0	0	0	1	60	177	396	553	753	929	1024	1093	1110	1185	1236	1182	1096	1241	1099	1079	1093	1020	799	567	404	276	125	43	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	10	0	0	12	17	16	0	10	11	1	6	0	17	22	24	16	29	16	10	2	0	13	0	0	12	8	2	15	0	2	11	6	4	0	11	0	11	2	21	0	17	4	13	12	12	14	10	18								
PCUF	CUFG	24	24	26	26	25	25	24	25	26	25	22	21	20	21	24	27	28	29	27	28	28	26	27	25	28	27	27	26	26	26	26	26	26	26	26	26	26	26	26	26	26	28	27	26	27	27	28	26	28							
PCUF	CUFK	4	3	4	4	3	3	2	3	3	5	3	2	4	3	3	3	3	3	3	4	4	3	4	3	3	4	2	3	3	2	2	3	2	1	5	3	2	2	3	3	2	2	2	4	4	4	4	3	2							
Total NEDA Co-Gen		38	27	30	42	45	44	26	38	40	31	31	23	41	46	51	46	60	48	40	34	32	42	31	28	43	39	31	44	30	30	39	35	32	27	42	29	39	30	50	29	47	33	41	43	43	46	39	48								
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	0	0	0	0			
Total Generation		17745	17284	16850	16499	16193	15973	15658	15471	15067	14911	14794	14731	14682	14740	14403	14082	13989	14503	14935	15302	15717	16072	16283	16489	16300	16107	15928	16330	16785	17049	17111	17178	17278	17465	17246	16976	16851	16805	17135	18069	18419	18415	18426	18212	18079	18022	17872	17681								
KHTC	BLK1	-46	-48	-50	-50	-47	-48	-49	-48	-49	-44	-45	-45	-45	-43	-42	-41	-42	-44	-46	-52	-57	-57	-58	-61	-62	-61	-64	-62	-62	-63	-65	-65	-65	-65	-66	-67	-67	-64	-65	-60	-62	-60	-61	-60	-60	-57	-57	-58	-60							
Total Franchise Area		-46	-48	-50	-50	-47	-48	-49	-48	-49	-44	-45	-45	-45	-43	-42	-41	-42	-44	-46	-52	-57	-57	-58	-61	-62	-61	-64	-62	-62	-63	-65	-65	-65	-65	-66	-67	-67	-64	-65	-60	-62	-60	-61	-60	-60	-57	-57	-58	-60							
Singapore		33	-43	-59	-44	-15	47	-7	37	2	-25	-26	-27	-44	4	-6	21	-7	-29	-40	-40	-45	-10	-68	28	-16	-98	-115	-10	134	71	41	47	-10	-6	-7	48	-12	-29	-16	-33	19	-22	1	-26	-7	-41	8	-11								
Thailand		59	59	59	59	60	60	60	60	58	58	60	60	60	59	58	58	59	61	58	61	58	60	58	61	59	61	59	59	61	59	59	61	60	58	59	58	58	58	59	60	61	58	60	60	60	60	60	60	60	60						
Interconnection		92	17	0	15	44	107	53	97	60	34	33	33	16	63	53	79	52	31	19	21	13	51	-9	88	43	-37	-57	49	195	130	100	107	49	52	52	106	47	29	43	27	79	36	61	34	53	19	68	49								
Total Demand		17610	17222	16803	16437	16105	15821	15559	15329	14961	14836	14719	14656	14624	14637	14311	13965	13898	14431	14873	15232	15650	15967	16237	16343	16198	16086	15924	16222	16531	16859	16949	17009	17167	17350	17130	16806	16743	16714	17035	17983	18283	18321	18308	18121	17972	17949	17749	17575								
SRev ST-Coal		148	155	185	168	244	186	257	388	523	517	459	500	469	499	490	488	619	560	489	258	195	194	202	202	215	215	218	202	208	186	226	209	220	230	225	216	216	216	223	228	218	221	219	215	228	230	329	205								
SRev CCGT-Gas		425	515	625	960	1180	1364	1851	2259	2842	2836	3023	2570	2518	2449	2794	2995	2953	2859	2795	2875	2777	2518	1767	992	1237	1464	1558	1100	845	401	496	401	292	272	288	408	371	257	161	237	172	162	253	187	222	256	207									
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	16	5	3	4	7	7	41	0								
SRev Co-Gen		0	0	0	0	1	0	0	0	0	-1	0	1	0	0	0	0	1	-2	0	0	0	-1	0	0	0	1	-1	0	0	-1	-1	0	-1	-1	0	0	1	0	0	1	0	0	2	0	0	-2	0	1								
Syncon		802	890	978	978	1079	1079	1079	1079	928	928	1079	1079	1079	1079	1079	928	1079	928	1079	1079	1079	1079	464	928	1079	1079	1079	1079	928	1079	1079	703	703	827	978	978	802	126	0	0	0	0	126	126	313	313										
Hydro		378	351	247	252	188	208	167	207	246	285	154	107	121	105	120	165	298	149	240	154	114	124	389	278	148	161	161	160	95	296	159	119	159	221	248	331	197	120	476	596	559	622	633	761	692	691	610	673								
S.Reserve Total		1753	1911	2035	2358	2692	2837	3354	3933	4539	4565	4715	4257	4187	4132	4483	4727	4799	4645	4452	4366	4165	3914	2822	2400	2679	2920	3015	2541	2227	1810	1959	1903	1858	1445	1448	1662	1800	1685	1758	1112	1030	1020	1019	1233	1240	1274	1549	1399								