

Availability at Daily Maximum Demand Hour

ST-Coal	8,932 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,329 MW
Distillate	0 MW
Others	0 MW
Gas	8,715 MW
Co-Gen	0 MW
Total System	22,156 MW

Maximum Demand Record

Date: 5/29/2024	20,045 MW
Date: 5/29/2024	423,825 MWH

Set On Bus And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	19,039 MW
Spinning Reserve	997 MW
Maximum Demand	18,038 MW
Net Energy	375,029 MWH
Load Factor	87 %

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	87
CBPS	43
EMPP	277
KLPP	59
NPRI	134
PCGP	87
SGRI	53
SPGP	206
Total Gas	975

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	209,304	55.81 %
LSS	8,535	2.28 %
Hydro	9,832	2.62 %
Gas	147,898	39.44 %
Co-Gen	-742	-0.20 %
Total Generation	374,827	99.95 %
PLTG	488	0.13 %
EGAT	6	0.00 %
HVDC	-696	-0.19 %
Interconnection	-202	-0.05 %
Net Energy	375,029	100.00 %

Fuel Cost

Total Cost:	93,420,790.62 RM
Cost per Unit	24.84 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,223
Hydro	290
Syncon	943
Thermal	161
Total	2,617

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	16483	15863	15175	14755	14300	14077	14078	14030	13421	14335	14974	15416	15026	15069	15536	15861	16231	16450	16219	16464	17865	17964	17575	17425

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, July 22, 2024 9:30:38 AM

(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																								
PCUP	CUFK	11	11	12	12	12	12	12	12	13	13	12	13	13	11	12	13	10	12	10	11	11	10	11	11	9	8	8	8	8	9	6	7	7	7	6	8	9	19	10	10	9	10	8	10	6	7	8	
PFTZ	PFTZ	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	3	2	4	4	4	4	4	4	4	4	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Total NEDA Co-Gen		25	25	27	26	25	25	25	27	27	27	27	27	24	26	26	22	26	23	25	25	26	24	26	22	23	21	21	22	22	21	21	21	18	16	20	21	30	23	21	23	25	23	26	21	22	23		
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	
Total Generation		16499	16085	15832	15580	15237	15035	14792	14547	14339	14155	14098	14036	14113	14176	14043	13511	13397	13920	14320	14719	14950	15308	15431	15557	15062	15065	15045	15301	15572	15897	15979	16046	16221	16462	16578	16434	16306	16281	16594	17320	17951	18110	18014	17867	17709	17597	17499	17234
ESTL	ESTL	0	-8	-17	-10	-14	-13	-10	-5	-2	-13	-10	-15	0	-9	0	0	-9	-14	-21	-27	-14	-11	-14	-13	-7	-19	-13	-14	-9	-15	-11	-13	0	-9	-5	-15	-14	-7	-16	-5	-16	-18	-18	-26	-18	-7	-11	-10
KHTC	BLK1	-48	-47	-48	-44	-44	-41	-39	-39	-37	-39	-39	-35	-36	-32	-33	-31	-34	-34	-34	-35	-37	-37	-43	-44	-42	-42	-44	-49	-46	-51	-50	-53	-53	-51	-52	-51	-51	-48	-52	-52	-53	-49	-49	-46	-45	-45	-42	
Total Franchise Area		-48	-55	-65	-54	-58	-54	-49	-44	-39	-52	-49	-54	-35	-45	-32	-33	-40	-48	-55	-61	-49	-48	-51	-56	-51	-61	-55	-58	-58	-61	-62	-63	-53	-62	-56	-67	-65	-58	-64	-57	-68	-71	-67	-75	-64	-52	-56	-52
Singapore		0	-59	-65	-12	35	75	20	45	32	16	3	-36	32	45	12	3	-33	-13	-39	12	-42	-12	-4	15	18	29	-47	-17	10	63	87	-28	-29	60	103	129	55	38	99	21	50	32	14	49	101	8	50	53
Thailand		-28	-28	-28	-28	-28	-29	-29	-29	-29	-28	-28	-29	-28	-28	-30	-28	-28	-28	-29	-29	-29	-30	-30	-29	-29	-28	-28	-30	-28	-28	-31	-28	-28	-30	-30	-28	-31	-27	-29	-29	-29	-29	-28	-30	-28	-29		
Interconnection		-29	-87	-93	-39	7	45	-9	16	3	-12	-25	-65	3	17	-16	-27	-61	-42	-67	-17	-70	-42	-33	-15	-12	0	-76	-45	-19	32	59	-56	-60	32	75	99	25	10	69	-6	21	4	-14	19	73	-22	21	25
Total Demand		16483	16120	15863	15568	15175	14939	14755	14490	14300	14118	14077	14050	14078	14117	14030	13508	13421	13917	14335	14678	14974	15305	15416	15519	15026	15007	15069	15291	15536	15807	15861	16042	16231	16371	16450	16271	16219	16216	16464	17272	17865	18038	17964	17776	17575	17570	17425	17160
SRev ST-Coal		168	148	159	157	155	156	152	157	171	154	280	452	449	433	463	442	453	461	335	172	147	153	159	144	158	157	152	151	156	161	149	147	158	157	146	150	154	156	134	149	129	144	153	154	144	154	133	155
SRev CCGT-Gas		720	613	390	604	748	958	1186	1428	1642	1823	1754	1588	1511	1466	1561	2151	2383	1959	1889	1816	1804	1532	1537	1473	1995	1879	1922	1836	1554	1353	1163	1000	749	375	389	488	551	759	483	235	217	205	167	185	190	238	343	527
SRev Co-Gen		2	0	0	-1	0	0	0	1	0	1	2	0	-2	0	-2	-1	-2	-2	1	0	0	0	0	0	0	1	-1	0	0	0	0	0	1	0	-1	0	0	0	-1	0	0	0	0	-1	0	0	0	-2
Syncon		1129	1129	1230	1230	1079	1079	1230	1230	1079	1230	1230	1230	1230	1230	1230	1079	1230	1079	1079	1230	1079	1230	1230	1230	1230	1230	1230	1079	1230	1079	1230	1230	1129	1079	1230	1230	1230	1230	703	151	0	151	338	525	613	613	701	
Hydro		175	265	163	163	298	289	157	157	288	157	157	157	156	156	157	157	283	152	267	265	134	271	132	136	137	134	132	131	130	265	151	336	200	238	327	239	236	203	237	614	609	648	624	543	562	540	428	184
S.Reserve Total		2201	2155	1942	2153	2280	2482	2725	2973	3180	3365	3423	3427	3345	3285	3408	3979	4196	3800	3571	3332	3315	3035	3058	2983	3520	3401	3435	3348	3070	2858	2693	2562	2338	1899	1940	2107	2171	2348	2083	1701	1106	997	1095	1219	1421	1545	1517	1565