

Availability at Daily Maximum Demand Hour

ST-Coal	9,660 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,276 MW
Distillate	0 MW
Others	0 MW
Gas	8,956 MW
Co-Gen	0 MW
Total System	23,072 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:	20:00:00 Hour
Total Set On Bus	19,981 MW
Spinning Reserve	859 MW
Maximum Demand	19,058 MW
Net Energy	402,186 MWH
Load Factor	88 %

Gas Usage

Station	(mmscfd)
GLGR	51
SRDG	7
TJGS	178
CBPS	44
EMPP	268
KLPP	62
NPRI	32
PCGP	81
SGRI	58
SKSP	21
SPGP	192
Total Gas	993

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	229,594	57.09 %
LSS	9,471	2.35 %
Hydro	17,202	4.28 %
Gas	147,503	36.68 %
Co-Gen	-554	-0.14 %
Total Generation	403,216	100.26 %
PLTG	-398	-0.10 %
HVDC	1,428	0.36 %
Interconnection	1,030	0.26 %
Net Energy	402,186	100.00 %

Fuel Cost

Total Cost:	101,453,126.38 RM
Cost per Unit	25.08 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	760
Hydro	413
Syncon	576
Thermal	183
Total	1,932

Total Gas Required 993

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	16490	15842	15277	14749	14336	14133	14476	14385	14499	15831	16560	17045	17116	16950	17546	18404	18746	18632	17741	17856	19058	18909	18501	18243

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, May 21, 2024 5:36:50 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 Hydro		691	595	595	586	575	672	657	573	473	459	501	502	507	494	374	379	424	314	334	314	315	313	314	314	334	496	416	516	734	792	1000	1147	1275	797	648	454	617	1459	1778	1631	1626	1509	1344	1346	1069	962						
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		
Total Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	44	161	413	627	834	950	1076	1154	1307	1233	1251	1273	1155	1200	1229	1064	944	871	802	617	407	226	98	19	0	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	17	12	2	9	11	0	0	0	8	0	4	5	1	10	13	14	12	13	16	12	13	17	2	17	0	0	0	11	10	2	11	12	7	7	6	9	10	16	15	11	15	12	14	0	13	20	2	12				
PCUF	CUFK	16	14	16	17	16	15	16	16	15	17	16	15	16	14	14	15	17	16	17	16	17	14	15	16	16	15	16	16	16	16	16	16	16	16	16	16	25	26	26	26	25	25	25	25	25	25	25	26	25			
PCUF	CUFK	4	2	2	4	4	3	4	4	2	4	4	3	3	2	2	3	5	0	4	3	8	2	3	4	1	3	2	3	5	2	2	3	5	4	3	3	3	2	4	4	3	3	3	3	3	2	4	5	4			
Total NEDA Co-Gen		37	28	20	30	31	18	20	20	25	21	24	23	20	26	29	32	34	29	37	31	38	33	20	37	17	18	18	29	31	20	29	30	27	27	25	28	29	43	45	41	44	40	42	28	40	49	33	41				
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	
Total Generation		16520	16163	15905	15590	15372	15143	14860	14649	14460	14347	14193	14436	14516	14723	14466	14296	14548	15426	15832	16275	16627	16923	17082	17150	17147	17028	17380	17712	18232	18453	18663	18870	19107	18999	18342	17872	17588	17935	18860	19174	19083	19009	18809	18637	18532	18334	18206					
KHTC	BLK1	-41	-42	-42	-41	-44	-41	-42	-40	-39	-41	-40	-38	-37	-41	-41	-40	-45	-46	-48	-48	-52	-51	-56	-57	-63	-70	-67	-68	-69	-69	-70	-72	-75	-76	-74	-69	-62	-57	-56	-54	-55	-52	-51	-53	-51	-54	-51	-51				
PCUF	CUFK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-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		
Total Franchise Area		-41	-42	-42	-41	-44	-41	-42	-40	-39	-41	-40	-38	-37	-41	-41	-40	-45	-47	-48	-48	-52	-51	-56	-57	-63	-70	-67	-68	-69	-69	-70	-72	-75	-76	-74	-69	-62	-57	-56	-54	-55	-52	-51	-53	-51	-54	-51	-51				
Singapore		-67	-44	-36	-47	-7	59	12	43	30	-28	-35	-12	-55	24	-16	-27	-53	-54	-105	-85	-41	-75	-75	-130	-85	-22	-45	19	42	5	-76	-91	-7	61	238	2	12	-19	-32	-53	4	9	-9	25	28	19	-18	23				
Thailand		59	60	60	61	60	58	60	60	59	59	58	58	61	58	59	61	60	58	61	59	60	61	59	59	60	60	59	59	58	61	58	58	59	60	59	59	60	60	58	60	60	60	59	60	60	60	60	60	60	60		
Interconnection		-8	15	24	14	54	117	72	103	88	31	23	46	6	82	43	33	7	4	-44	-27	18	-14	-16	-71	-26	38	14	77	100	67	-18	-33	52	121	296	61	72	42	26	7	64	69	52	85	88	79	43	83				
Total Demand		16490	16109	15842	15538	15277	14988	14749	14509	14336	14278	14133	14355	14476	14603	14385	14226	14499	15378	15831	16257	16560	16889	17045	17167	17116	17042	16950	17238	17546	18099	18404	18627	18746	18913	18632	18215	17741	17492	17856	18802	19058	18965	18909	18674	18501	18402	18243	18075				
SRev ST-Coal		195	174	197	201	204	226	349	350	378	376	492	559	450	445	471	470	450	423	200	188	211	186	188	180	185	195	184	172	190	187	197	186	181	192	194	159	193	155	201	192	161	207	163	171	127	94	-123	-143				
SRev CCGT-Gas		1191	1464	1691	2003	2208	2499	2646	2772	2766	2746	2762	2491	2522	2436	2660	2764	2753	2195	2124	1914	1642	1455	1357	1415	1317	1329	1501	816	633	359	290	249	179	159	206	213	320	324	285	161	200	220	206	270	248	272	269	318				
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	0	0	
SRev Co-Gen		-1	0	1	0	0	-1	1	-1	-1	1	0	-2	-2	1	0	1	0	3	1	0	-1	0	-1	0	0	0	0	0	0	0	-2	-2	0	0	0	-1	-1	0	0	-1	-1	-1	0	1	-1	0	1	1				
Syncon		978	978	978	978	978	978	827	978	978	978	978	978	978	827	978	978	978	978	1080	929	1080	1080	1080	1080	1080	1080	929	978	978	791	604	453	604	365	126	588	739	978	978	126	0	0	0	0	338	338	464	615				
Hydro		292	288	288	297	308	311	327	235	160	160	150	108	107	253	115	235	230	185	243	374	243	240	242	244	243	243	374	163	243	330	299	467	108	287	422	438	411	366	203	567	499	646	651	768	595	593	619	425				
S.Reserve Total		2655	2904	3155	3479	3698	4013	4150	4334	4281	4261	4382	4134	4055	3962	4224	4448	4411	3784	3648	3405	3175	2961	2866	2919	2825	2847	2988	2129	2044	1667	1388	1353	1072	1003	948	1397	1662	1823	1667	1045	859	1078	1025	1212	1309	1298	1230	1216				