

Availability at Daily Maximum Demand Hour

ST-Coal	9,992 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,232 MW
Distillate	0 MW
Others	0 MW
Gas	9,492 MW
Co-Gen	0 MW
Total System	23,646 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:	16:30:00 Hour
Total Set On Bus	21,476 MW
Spinning Reserve	1,339 MW
Maximum Demand	20,028 MW
Net Energy	416,333 MWH
Load Factor	87 %

Gas Usage

Station	(mmscfd)
GLGR	36
SRDG	4
TJGS	189
CBPS	49
EMPP	288
KLPP	70
NPRI	73
PCGP	84
SGRI	60
SKSP	27
SPGP	203
Total Gas	1,082

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	231,233	55.54 %
LSS	8,861	2.13 %
Hydro	15,254	3.66 %
Gas	163,073	39.17 %
Co-Gen	-1,371	-0.33 %
Total Generation	417,050	100.17 %
PLTG	-16	0.00 %
HVDC	733	0.18 %
Interconnection	717	0.17 %
Net Energy	416,333	100.00 %

Fuel Cost

Total Cost:	97,748,811.47 RM
Cost per Unit	23.33 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	448
Hydro	424
Syncon	536
Thermal	206
Total	1,614

Total Gas Required 1,082

Time	Weather	Temperature
Afternoon	Hot	34
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	16787	15913	15325	14763	14329	14048	14287	14131	14845	16533	17506	18098	18008	17973	18945	19682	19989	19661	18448	18598	19706	19694	19299	18895

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, May 2, 2024 4:11:10 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Monday

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																										
UJLI	HYDR	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																										
Total Hydro		690	561	523	331	354	349	336	339	329	338	301	302	320	298	274	290	304	324	302	351	332	298	293	283	315	282	425	527	855	964	1031	1379	1538	1408	898	630	542	598	1321	1341	1392	1381	1197	1033	898	825	629			
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	
Total Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	0	47	190	366	574	750	883	963	1126	1181	1231	1187	1267	1183	1139	1141	987	982	760	622	486	350	205	96	16	6	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	21	20	21	21	21	19	20	22	22	21	21	21	21	20	20	19	19	19	19	19	20	19	18	19	19	19	19	16	19	18	18	18	19	19	19	19	20	19	20	20	21	19	21	22	23	21	23			
PCUF	CUFK	3	4	5	3	2	2	4	0	3	3	5	5	2	5	2	4	3	3	3	3	3	3	3	3	4	3	2	2	4	2	2	3	4	2	3	3	2	3	3	4	3	3	3	3	2	4	3	4		
Total NEDA Co-Gen		24	24	26	24	23	21	24	22	25	24	26	26	23	25	22	25	23	22	22	22	22	23	22	22	22	21	21	23	18	21	21	22	20	22	22	21	23	22	24	23	24	22	24	24	24	27	24	27		
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	
Total Generation		16851	16299	15942	15606	15387	15065	14822	14618	14404	14238	14119	14137	14369	14555	14231	14265	14917	15833	16576	17216	17579	17958	18146	18257	18154	18071	18132	18553	19106	19587	19849	20054	20199	20224	19964	19342	18668	18370	18658	19596	19809	19932	19847	19704	19424	19308	19017	18637		
ESTL	ESTL	-22	-23	-15	-19	-28	-19	-21	-20	-18	-17	-24	-18	-34	-39	-17	-27	-28	-30	-20	-30	-20	-22	-29	-20	-32	-28	-24	-20	-25	-22	-18	-17	-17	-20	-30	-29	-32	-28	-19	-22	-23	-40	-21	-30	-28	-20	-20	-19		
KHTC	BLK1	-44	-44	-44	-43	-42	-42	-40	-41	-38	-39	-41	-37	-39	-41	-42	-44	-48	-51	-56	-59	-59	-63	-66	-67	-71	-70	-71	-76	-75	-78	-78	-81	-72	-70	-74	-69	-69	-66	-59	-61	-56	-56	-59	-57	-54	-50	-49	-47		
Total Franchise Area		-66	-67	-59	-62	-70	-61	-61	-61	-56	-56	-65	-55	-73	-80	-59	-71	-76	-81	-76	-89	-79	-85	-95	-87	-103	-98	-95	-96	-100	-100	-96	-98	-89	-90	-104	-98	-101	-94	-78	-83	-79	-96	-80	-87	-82	-70	-69	-66		
Singapore		-30	-65	-57	-34	-35	-27	-28	-14	-8	-18	-21	-52	-18	-20	13	-37	-33	-56	-59	-45	-34	-46	-75	10	15	35	36	-104	34	6	44	70	93	78	171	121	91	-11	-46	-35	-4	31	46	9	15	-10	26	48		
Thailand		31	30	30	30	30	29	29	30	30	31	31	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31		
Interconnection		1	-35	-27	-5	-5	2	1	16	22	12	9	-22	12	10	44	-6	-1	-26	-30	-14	-3	-15	-44	40	46	66	67	-74	64	37	74	101	124	109	202	152	122	19	-15	-4	27	62	76	40	46	20	56	79		
Total Demand		16787	16270	15913	15552	15325	15005	14763	14544	14329	14173	14048	14107	14287	14468	14131	14203	14845	15781	16533	17144	17506	17891	18098	18133	18008	17910	17973	18534	18945	19453	19682	19858	19989	20028	19661	19095	18448	18260	18598	19520	19706	19777	19694	19580	19299	19221	18895	18495		
SRev ST-Coal		184	237	328	302	257	272	248	284	345	430	523	428	495	415	452	418	518	375	212	248	380	238	212	192	184	250	225	254	192	222	241	207	203	200	183	191	196	177	187	158	146	151	177	167	171	221	179	183		
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	5	4	3	1	37	37	0	0
SRev CCGT-Gas		444	807	948	1116	1402	1702	1959	2128	2374	2463	2454	2531	2498	2372	2770	2748	2150	1463	1069	654	473	282	319	614	763	768	778	636	421	671	348	239	225	460	461	429	733	820	573	379	312	237	284	277	368	392	540	507		
SRev Co-Gen		-1	2	0	1	0	1	-2	1	0	1	1	1	1	1	0	-1	0	1	-1	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	-1	0		
Syncon		703	703	791	892	741	892	892	892	892	892	892	892	741	892	892	892	892	892	892	892	892	892	892	892	892	741	892	892	604	428	277	277	277	126	277	615	703	892	791	277	277	277	277	428	428	615	464	703		
Hydro		407	369	319	335	463	317	330	327	337	328	341	340	473	344	368	352	338	469	340	291	310	344	349	347	351	470	352	209	395	243	372	405	436	553	532	454	634	533	578	469	449	523	534	567	731	679	753	385		
S.Reserve Total		1737	2118	2386	2646	2863	3184	3427	3632	3948	4114	4211	4192	4208	4024	4483	4410	3897	3048	2514	2084	2055	1756	1772	2045	2190	2229	2247	1990	1612	1564	1238	1128	1141	1339	1453	1689	2266	2422	2129	1283	1190	1192	1275	1440	1735	1944	1935	1778		