

Availability at Daily Maximum Demand Hour

ST-Coal	8,932 MW
ST-Gas	494 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,472 MW
Distillate	0 MW
Others	0 MW
Gas	8,851 MW
Co-Gen	0 MW
Total System	22,339 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)
GLGR	48
SRDG	3
TJGS	100
CBPS	46
EMPP	295
KLPP	71
NPRI	149
PCGP	88
SGRI	106
SPGP	207
PKLG	23
Total Gas	1,136

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	20,430 MW
Spinning Reserve	1,035 MW
Maximum Demand	19,371 MW
Net Energy	411,361 MWH
Load Factor	88 %

Generation Mix

Type	MWh	Percentage
ST-Coal	209,658	50.97 %
ST-Gas	2,265	0.55 %
LSS	9,274	2.25 %
Hydro	23,630	5.74 %
Gas	167,362	40.68 %
Co-Gen	-1,017	-0.25 %
Total Generation	411,172	99.95 %
PLTG	508	0.12 %
HVDC	-697	-0.17 %
Interconnection	-189	-0.05 %
Net Energy	411,361	100.00 %

Fuel Cost

Total Cost:	104,090,415.72 RM
Cost per Unit	25.22 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	465
Hydro	510
Syncon	384
Thermal	176
Total	1,535

Total Gas Required 1,136

Time Weather Temperature

Afternoon	Hot	33
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	17197	16469	15749	15248	14830	14516	14688	14708	14978	16555	17243	17766	17621	17358	18152	18659	19086	18768	17827	17860	19211	19316	18780	18328

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, July 4, 2024 4:48:39 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Wednesday

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	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	179	197	198	183	208	189	192	12	-2	-2	-2	197	233	305	241	166	-2	-2	-2	1223														
Total Hydro		1154	970	727	515	512	522	524	611	584	583	584	602	603	637	625	665	613	571	574	783	891	1055	986	981	848	856	907	1001	1137	1232	1206	1182	1286	1415	1418	1204	1027	676	813	1513	1787	1824	1735	1624	1347	1425	1374	1223						
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		
Total Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	133	304	517	692	830	963	1010	1087	1229	1272	1269	1251	1106	1165	1151	1047	907	815	692	504	330	193	63	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	7	8	8	7	7	8	7	7	6	7	7	7	9	9	7	7	8	7	8	7	7	6	6	8	7	7	7	8	7	7	8	6	6	7	7	8	9	7	7	8	7	7	7	7	8	7	8	7	8	7				
PCUF	CUFK	10	10	9	8	8	7	9	10	11	11	10	11	11	12	11	11	12	10	10	9	8	6	4	6	5	4	4	1	2	4	3	4	5	4	5	4	6	6	6	6	6	6	7	10	8	9	9	9	8	8				
PFTZ	PFTZ	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2	2	4						
Total NEDA Co-Gen		21	22	21	19	19	19	20	21	21	22	21	22	24	25	22	22	24	21	22	20	19	16	14	18	16	15	15	12	14	15	14	15	17	14	15	15	17	18	19	17	17	19	21	19	20	18	18	19						
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		
Total Generation		17261	16891	16490	16067	15789	15595	15296	15047	14864	14655	14569	14644	14742	14982	14703	14509	14929	15980	16537	16904	17251	17624	17816	17923	17736	17443	17440	17843	18187	18797	18916	18907	18988	18997	18770	18306	17986	17590	17972	18743	19305	19463	19375	19212	18816	18681	18357	18085						
ESTL	ESTL	-20	-9	-16	-18	-10	-14	-13	-15	-10	-13	-15	-12	-13	-18	-6	-2	0	-7	-24	-14	-2	-12	-14	-2	-11	-24	-15	-7	-9	-18	-7	-7	-11	-16	-18	-16	-26	-17	-18	-11	-19	-16	-14	-13	-12	0	0	-2						
KHTC	BLK1	-43	-43	-38	-38	-36	-39	-35	-37	-36	-35	-34	-35	-35	-31	-33	-37	-40	-42	-45	-51	-53	-55	-58	-54	-58	-55	-63	-66	-66	-69	-65	-65	-64	-66	-63	-60	-58	-59	-56	-53	-55	-52	-52	-45	-47	-44	-43							
Total Franchise Area		-63	-52	-54	-56	-46	-53	-48	-52	-46	-48	-49	-47	-48	-53	-37	-35	-37	-47	-66	-59	-53	-65	-69	-60	-65	-82	-70	-70	-75	-84	-76	-72	-76	-80	-84	-79	-86	-75	-77	-67	-72	-71	-66	-65	-57	-47	-44	-45						
Singapore		33	31	-2	51	26	13	32	23	22	-13	36	26	39	6	-10	-29	-55	42	-51	-10	-13	-12	14	54	81	36	45	31	-7	138	213	25	-143	-56	-50	0	104	42	67	11	53	52	25	51	10	-27	17	45						
Thailand		-29	-29	-28	-28	-28	-28	-29	-29	-31	-31	-30	-30	-30	-30	-29	-29	-30	-30	-29	-29	-30	-30	-28	-28	-28	-28	-30	-29	-29	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-29	-29	-29	-29	-28	-28	-30	-29	-30						
Interconnection		4	2	-30	23	-3	-15	3	-6	-9	-44	7	-4	9	-24	-39	-58	-83	14	-81	-40	-42	-41	-16	24	53	7	15	1	-37	108	184	-4	-171	-84	-79	-28	76	14	38	-18	25	24	-4	23	-18	-57	-12	15						
Total Demand		17197	16840	16469	15991	15749	15560	15248	15004	14830	14654	14516	14604	14688	14956	14708	14535	14978	15922	16555	16888	17243	17603	17766	17842	17621	17357	17358	17775	18152	18608	18659	18842	19086	19004	18768	18258	17827	17504	17860	18697	19211	19371	19316	19127	18780	18694	18328	18028						
SRev ST-Coal		169	161	165	166	170	162	155	170	317	307	320	309	343	315	303	315	298	326	189	165	162	170	168	169	177	185	163	164	147	174	167	165	165	181	169	170	180	159	185	171	177	167	175	167	168	174	183	235						
SRev CCGT-Gas		716	574	655	751	1047	1210	1493	1817	1824	2043	2116	2071	1940	1766	2042	2102	1974	991	792	831	732	645	431	399	613	939	1147	806	717	436	511	395	330	323	455	537	524	709	322	211	307	204	198	257	251	456	544	559						
SRev ST-Gas		3	4	50	22	-3	46	74	72	74	74	74	4	3	3	3	3	-1	-1	-1	-1	-1	-1	-1	31	0	-5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	2	1	0	0	0					
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				
SRev Co-Gen		0	1	0	0	-1	2	0	1	0	1	0	-1	1	0	0	0	-1	1	-2	2	0	0	-1	-1	-2	0	-2	1	0	0	1	0	-1	0	0	1	0	0	1	0	0	0	0	0	1	1	2	0						
Syncon		651	760	760	911	911	911	911	911	911	890	890	890	739	890	890	1041	1041	1041	953	953	651	651	651	651	651	651	651	651	277	126	277	277	277	0	0	187	374	890	890	0	0	0	0	0	0	525	525	525	651					
Hydro		459	280	161	110	113	103	101	114	141	142	142	144	143	284	145	227	128	170	167	220	112	250	319	324	457	449	468	374	542	598	623	647	543	691	688	715	705	540	628	968	694	657	721	832	584	481	532	507						
S.Reserve Total		1998	1780	1791	1960	2237	2434	2734	3085	3267	3478	3542	3487	3321	3107	3383	3537	3443	2532	2186	2170	1958	1715	1567	1541	1927	2224	2422	1996	1683	1334	1579	1484	1344	1231	1336	1613	1790	2306	2050	1352	1191	1035	1125	1261	1533	1641	1798	1963						