

Availability at Daily Maximum Demand Hour

ST-Coal	9,820 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,326 MW
Distillate	0 MW
Others	0 MW
Gas	8,520 MW
Co-Gen	0 MW
Total System	22,846 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:	16:30:00 Hour
Total Set On Bus	20,797 MW
Spinning Reserve	1,185 MW
Maximum Demand	19,581 MW
Net Energy	413,472 MWH
Load Factor	88 %

Gas Usage

Station	(mmscfd)
GLGR	30
SRDG	9
TJGS	188
CBPS	48
EMPP	189
KLPP	72
NPRI	122
PCGP	82
SGRI	129
SKSP	5
SPGP	194
Total Gas	1,067

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	229,489	55.50 %
LSS	9,436	2.28 %
Hydro	17,951	4.34 %
Gas	157,090	37.99 %
Co-Gen	-697	-0.17 %
Total Generation	413,269	99.95 %
PLTG	495	0.12 %
HVDC	-698	-0.17 %
Interconnection	-203	-0.05 %
Net Energy	413,472	100.00 %

Fuel Cost

Total Cost:	105,943,557.66 RM
Cost per Unit	25.53 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	454
Hydro	320
Syncon	590
Thermal	184
Total	1,548

Total Gas Required 1,067

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	17097	16233	15589	15069	14565	14383	14638	14624	14913	16521	17314	17797	17785	17588	18452	19071	19411	19234	18138	18009	19278	19377	18920	18572

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, June 6, 2024 5:22:45 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																														
TMGR	HYDR	30	30	29	30	30	29	28	30	29	30	29	27	28	60	29	29	37	42	77	38	39	37	38	39	39	41	37	121	132	204	305	290	283	143	139	143	330	290	330	330	287	283	298	216	128									
UJLI	HYDR	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	0	0	0	0	0	0	-1	-1	-2	-2	95	195	188	196	192	165	185	90	191	369	368	368	369	355	181	96	94	-2											
Total Hydro		636	456	469	457	455	439	441	445	453	449	451	447	416	407	212	254	257	223	228	235	305	239	279	276	294	204	214	443	471	551	747	1039	1399	1391	1527	1068	959	1071	1861	2060	2110	2110	1953	1470	1250	1166	771							
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			
Total Solar		0	0	0	0	0	0	0	0	0	0	0	0	2	43	166	339	598	755	918	987	1078	1113	1110	1107	1137	1232	1178	1252	1114	1030	991	836	725	568	385	168	56	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	0	0	0	0	0	0	0	0	0	0	0	0	8	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PCUF	CUFG	33	35	31	31	32	32	32	33	31	33	32	31	31	33	31	33	33	33	33	32	31	32	33	32	32	32	32	34	33	34	33	32	32	32	32	33	32	34	32	32	33	33	33	33	30	32								
PCUF	CUFK	9	8	7	8	7	7	8	7	8	9	8	6	7	8	7	9	9	7	7	5	6	6	4	3	3	2	2	3	3	1	1	3	1	1	2	4	5	5	6	5	5	4	5	5	6	8	7	12						
Total NEDA Co-Gen		42	43	38	39	39	39	40	40	39	42	40	37	39	40	46	50	42	38	40	38	39	38	35	35	36	34	34	35	35	33	35	36	35	34	34	36	37	38	38	39	37	36	37	38	39	41	37	44						
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		17000	16578	16375	15995	15674	15442	15127	14916	14683	14543	14458	14586	14669	14916	14695	14494	14872	15910	16478	17008	17348	17642	17814	17936	17790	17686	17626	18099	18465	18946	19072	19206	19529	19685	19386	18819	18310	17961	18127	19014	19373	19503	19453	19288	18975	18899	18688	18363						
ESTL	ESTL	0	0	0	0	0	0	0	0	-10	0	0	0	0	0	0	0	-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-4	0	0	0	0	0	0	0	-1	-5	0	0	0	0					
KHTC	BLK1	-60	-59	-59	-59	-58	-59	-52	-50	-52	-53	-51	-54	-51	-52	-54	-54	-57	-62	-69	-68	-71	-77	-77	-74	-78	-74	-79	-76	-80	-84	-77	-81	-78	-76	-75	-77	-75	-76	-73	-71	-69	-68	-70	-67	-65	-66	-65	-67						
Total Franchise Area		-60	-59	-59	-59	-58	-59	-52	-50	-52	-53	-61	-54	-51	-52	-54	-54	-57	-62	-80	-68	-71	-77	-77	-74	-78	-74	-79	-76	-80	-84	-77	-81	-78	-76	-76	-81	-75	-76	-73	-71	-69	-68	-71	-72	-65	-66	-65	-67						
Singapore		-124	18	114	17	60	108	37	53	98	-25	45	68	12	23	50	-39	-66	-47	-89	-34	-6	-64	-26	-60	-39	-12	-9	-57	-36	36	-44	-31	73	60	108	139	128	120	76	-11	57	45	36	30	22	51	84	39						
Thailand		-30	-28	-28	-30	-30	-28	-28	-29	-29	-29	-29	-31	-30	-29	-30	-30	-28	-28	-28	-31	-30	-31	-28	-29	-28	-29	-28	-29	-31	-29	-31	-30	-29	-28	-28	-28	-30	-29	-28	-28	-29	-28	-29	-28	-29	-28	-29	-28	-30	-28				
Interconnection		-154	-10	86	-13	30	79	9	24	69	-53	17	39	-17	-7	20	-68	-95	-77	-120	-62	-34	-92	-57	-90	-70	-40	-38	-85	-64	6	-73	-62	43	31	79	111	100	89	48	-39	29	16	8	2	-7	23	54	11						
Total Demand		17097	16532	16233	15952	15589	15307	15069	14845	14565	14546	14383	14496	14638	14874	14624	14511	14913	15928	16521	17005	17314	17660	17797	17955	17785	17655	17588	18111	18452	18859	19071	19190	19411	19581	19234	18630	18138	17799	18009	18985	19278	19422	19377	19217	18920	18813	18572	18288						
S.Rev ST-Coal		203	173	206	201	232	190	228	331	355	616	604	617	612	354	361	315	301	187	176	188	191	189	195	197	175	199	212	183	201	192	196	187	258	211	165	205	190	181	197	168	147	158	177	161	147	170	157	150						
S.Rev 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	80	8	6	3	2	8	126	0	0					
S.Rev CCGT-Gas		508	596	774	1208	1496	1870	2367	2477	2601	2359	2457	2325	2247	2232	2515	2648	2501	1645	1315	758	711	557	401	352	515	708	891	701	485	430	274	262	330	211	387	445	325	361	304	229	284	294	349	375	314	276	286	230						
S.Rev Co-Gen		-1	-1	0	0	0	1	0	0	0	1	1	0	0	0	0	0	2	-1	3	1	1	0	0	0	3	1	0	0	0	-1	-1	0	0	1	0	0	0	0	0	0	-2	0	-2	-1	0	-1	0	0	0					
Syncon		978	999	978	999	999	1129	1129	1129	978	978	978	978	1129	1129	1230	1104	953	1104	1104	1104	953	730	730	579	1042	1042	1003	1003	942	604	541	151	151	0	0	187	0	0	0	0	0	0	0	0	0	464	615	890						
Hydro		145	79	87	78	80	80	96	94	90	209	213	211	215	95	104	198	244	305	188	183	176	106	323	239	242	375	187	177	174	146	264	431	456	611	694	709	1168	1090	1165	450	251	201	201	358	851	617	550	295						
S.Reserve Total		1833	1846	2045	2486	2807	3270	3820	4031	4175	4163	4253	4131	4052	3810	4109	4391	4152	3089	2786	2234	2183	1956	1872	1518	1665	1862	2332	2103	1863	1770	1675	1484	1585	1185	1397	1359	1683	1819	1666	925	690	657	729	896	1319	1653	1608	1565						