

Availability at Daily Maximum Demand Hour

ST-Coal	10,960 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,540 MW
Hydro	2,082 MW
Distillate	0 MW
Others	0 MW
Gas	8,052 MW
Co-Gen	0 MW
Total System	23,224 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	20,831 MW
Spinning Reserve	1,151 MW
Maximum Demand	19,621 MW
Net Energy	416,664 MWH
Load Factor	88 %

Gas Usage

Station	(mmscfd)
GLGR	29
SRDG	2
TJGS	182
CBPS	47
EMPP	280
KLPP	68
NPRI	76
PCGP	85
SGRI	113
SKSP	49
SPGP	15
Total Gas	946

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	257,272	61.75 %
LSS	9,777	2.35 %
Hydro	11,286	2.71 %
Gas	138,139	33.15 %
Co-Gen	-548	-0.13 %
Total Generation	415,926	99.82 %
PLTG	-34	-0.01 %
HVDC	-704	-0.17 %
Interconnection	-738	-0.18 %
Net Energy	416,664	100.00 %

Fuel Cost

Total Cost:	99,088,356.13 RM
Cost per Unit	23.74 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	617
Hydro	307
Syncon	631
Thermal	201
Total	1,756

Total Gas Required 946

Time Weather Temperature

Afternoon	Hot	34
Morning	Cloudy	29

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	17143	16448	15833	15387	14886	14707	14890	14746	14997	16560	17311	17822	17856	17878	18723	19131	19544	19356	18236	18209	19368	19345	18858	18540

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, May 17, 2024 2:45:32 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Thursday

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	
JMAH	U001	696	699	695	697	697	694	693	695	694	697	699	697	694	697	697	695	696	696	698	696	695	695	695	695	695
JMAH	U002	697	697	695	695	697	692	693	696	695	693	696	698	694	695	694	693	694	696	697	697	695	696	696	695	694
JMHE	U001	896	899	910	908	908	911	908	910	908	911	911	920	928	927	930	931	930	929	929	927	930	928	929	929	930
JMHE	U002	972	969	972	974	971	973	968	971	972	972	971	970	972	975	971	972	976	972	975	974	974	972	975	974	973
JMIG	U001	588	591	602	593	659	678	682	675	674	673	673	674	667	673	659	667	671	667	673	665	666	671	662	668	668
JMIG	U002	647	654	643	632	640	634	641	644	636	663	679	662	671	678	670	673	681	660	660	666	663	662	668	673	660
JMIG	U003	671	666	671	672	672	667	667	668	673	667	673	670	678	665	673	674	671	665	667	670	668	669	668	668	671
JMIG	U005	978	976	973	979	979	977	974	977	977	979	977	976	977	978	977	977	975	975	972	981	972	976	977	975	972
PKLG	U003	277	277	278	277	278	278	278	275	277	278	279	279	277	277	277	278	278	277	277	277	277	277	277	277	277
PKLG	U004	277	276	276	274	278	276	276	276	276	276	276	275	274	274	280	278	277	278	275	276	276	274	272	274	276
PKLG	U005	462	459	412	429	426	426	417	417	414	414	414	415	414	415	415	415	415	415	415	415	415	415	415	415	
PKLG	U006	464	466	465	468	466	465	466	469	468	466	465	467	466	468	468	466	465	467	470	468	467	468	465	465	
TBIN	U001	686	688	687	688	688	689	687	688	687	688	688	689	686	689	686	650	649	691	686	687	687	688	689	688	688
TBIN	U002	687	688	687	688	688	688	687	685	688	688	688	691	687	685	651	651	690	688	693	688	690	688	688	688	689
TBIN	U003	683	685	685	685	687	687	684	684	686	686	688	685	683	687	683	656	646	689	685	684	686	682	685	683	685
TBIN	U004	983	982	981	983	982	984	982	983	983	982	981	982	983	982	983	983	983	982	983	982	980	980	981	980	982
Total ST-Coal		10664	10672	10632	10642	10716	10719	10706	10709	10705	10734	10754	10750	10762	10766	10739	10588	10658	10747	10746	10751	10746	10752	10754	10744	10736
Total ST-Oil		0	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 ST-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
CBPS	BLK2	354	221	233	221	222	221	222	222	221	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222
EMPP	BLK1	692	618	634	528	423	393	360	420	388	398	406	431	420	441	388	403	453	617	722	714	721	715	712	697	
EMPP	BLK2	693	617	641	526	420	393	360	423	387	399	405	434	423	441	388	403	460	615	680	721	713	725	721	720	
EMPP	BLK3	694	622	643	525	422	393	365	423	388	398	406	435	423	441	388	403	460	616	679	719	714	723	721	720	
GLGR	BLK1	134	133	132	133	133	132	133	132	133	133	133	133	133	133	133	133	133	133	133	133	132	132	132	132	
KLPP	BLK1	171	178	177	176	178	170	163	177	170	171	177	177	176	169	159	163	162	163	162	163	163	163	163	163	163
NPRI	BLK2	513	528	528	529	524	515	493	530	510	320	325	331	332	334	403	449	449	449	523	517	518	515	508	513	
PCGP	BLK1	565	598	601	599	591	568	523	601	558	578	386	396	499	604	560	382	402	601	597	592	593	594	590	596	
SGRI	BLK1	156	162	162	162	161	155	149	160	155	157	160	161	162	161	164	163	165	161	167	167	167	160	158	161	
SGRI	BLK2	160	167	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	176	175	167	175	
SKSP	BLK1	218	219	215	217	219	217	217	216	218	219	216	218	218	217	219	217	218	218	219	218	218	222	221	219	
SPGP	BLK2	700	700	700	700	700	700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TJGS	BLK1	400	402	403	403	404	399	400	401	399	400	403	406	404	402	400	402	400	405	407	401	400	492	610	687	
TJGS	BLK2	451	451	449	450	450	451	451	451	450	451	451	450	452	451	450	449	449	450	450	451	449	450	501	600	
Total CCGT-Gas		5901	5616	5518	5169	4847	4707	4535	4156	3979	3843	3691	3795	3863	4023	3785	3657	3859	4603	4908	5134	5196	5434	5478	5657	
SRDG	GT05	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 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	
BSIA	HYDR	24	24	24	24	24	24	24	24	24	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
CEND	HYDR	24	24	24	24	24	23	22	24	23	23	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
HTRG	PUAH	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
KNRG	HYDR	38	38	38	38	38	38	38	38	38	21	21	21	21	21	21	21	21	21	21	21	38	38	38	38	
KNYR	HYDR	352	280	200	158	115	109	93	113	106	107	111	111	111	115	108	103	118	116	115	117	116	116	115	115	
MHDY	MHDY	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
PGAU	HYDR	21	-2	-2	-2	-2	-2	-2	-2	-2	-2	17	-2	20	-2	-2	-2	-2	-2	-2	-2	-2	-2	17	-2	
SIHY	HYDR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HYDR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HYDR	66	39	43	38	39	35	28	39	33	36	37	38	39	39	34	37	42	39	39	39	39	38	39	40	
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	

Daily MW Generation on Thursday

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		530	408	332	285	243	232	208	241	227	231	236	207	227	212	221	198	218	213	212	214	229	230	229	230	221	244	226	228	288	536	404	462	518	904	806	571	527	542	580	1117	1312	1222	1140	1009	900	950	807	647		
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		1	1	1	1	1	1	1	1	1	1	1	1	1	54	200	405	615	837	1034	1131	1304	1338	1307	1283	1290	1228	1132	1110	1261	1044	993	670	557	392	226	113	19	1	0	1	0	1	0	1	0	1	1	0	0	0
ESTL	ESTL	0	13	0	0	9	2	0	12	12	8	7	4	13	12	17	21	20	18	16	12	11	16	20	18	16	15	13	12	9	13	15	18	18	18	14	0	5	2	17	15	17	13	14	10	20	18	21	19		
PCUF	CUFG	23	26	26	25	24	24	24	25	24	25	25	25	26	24	26	26	25	23	23	24	24	24	23	23	23	23	23	22	21	17	17	16	16	17	15	15	16	18	17	17	16	17	17	16	17	16	16	17		
PCUF	CUFK	2	3	3	3	3	3	3	4	3	3	4	2	2	4	2	2	4	1	2	3	2	3	2	3	2	3	3	2	2	3	4	3	2	6	4	2	3	3	6	1	2	3	2	3	3	4	3			
Total NEDA Co-Gen		25	42	29	28	36	29	27	41	39	35	36	31	40	42	43	49	48	47	40	37	38	42	47	43	42	40	39	38	34	37	39	39	38	36	36	21	22	20	36	39	35	32	33	29	40	37	41	39		
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		17121	16739	16512	16125	15843	15688	15477	15148	14951	14844	14718	14784	14893	15044	14789	14546	14983	16015	16521	16973	17243	17589	17812	18012	17887	17814	17864	18367	18717	19064	19196	19379	19654	19742	19495	18905	18365	18039	18244	19136	19410	19501	19359	19200	18877	18831	18594	18326		
KHTC	BLK1	-50	-47	-51	-50	-50	-48	-50	-48	-47	-47	-45	-46	-44	-47	-43	-48	-49	-56	-58	-64	-64	-66	-70	-72	-72	-76	-72	-75	-81	-78	-72	-70	-69	-67	-66	-67	-67	-64	-61	-59	-58	-59	-59	-62	-61	-61	-60	-54		
Total Franchise Area		-50	-47	-51	-50	-50	-48	-50	-48	-47	-47	-45	-46	-44	-47	-43	-48	-49	-56	-58	-64	-64	-66	-70	-72	-72	-76	-72	-75	-81	-78	-72	-70	-69	-67	-66	-67	-67	-64	-61	-59	-58	-59	-59	-62	-61	-61	-60	-54		
Singapore		-41	32	44	-8	-7	34	74	13	50	15	-1	-1	-7	18	33	-19	-31	-36	-65	-92	-100	-70	-48	-46	-8	-75	-52	-70	-56	-14	25	30	72	87	105	100	94	45	8	-71	17	-26	-14	-38	-10	12	26	2		
Thailand		-28	-31	-28	-31	-31	-31	-28	-28	-31	-30	-31	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-28	-28	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-28	-28	-29	-30	-29	-28	
Interconnection		-69	2	16	-38	-37	4	43	-15	21	-15	-31	-31	-38	-12	3	-48	-60	-66	-94	-121	-129	-99	-77	-76	-38	-106	-83	-98	-84	-43	-4	2	44	57	76	71	65	16	-23	-102	-13	-55	-42	-67	-39	-18	-3	-26		
Total Demand		17143	16693	16448	16116	15833	15639	15387	15118	14886	14815	14707	14772	14890	15012	14746	14549	14997	16028	16560	17033	17311	17625	17822	18019	17856	17847	17878	18393	18723	19032	19131	19310	19544	19621	19356	18770	18236	17962	18209	19182	19368	19500	19345	19208	18858	18791	18540	18301		
SRev ST-Coal		228	180	217	168	184	181	194	191	195	166	186	190	198	194	221	372	302	213	214	209	214	208	206	216	224	196	214	201	199	192	219	211	208	196	184	210	190	157	193	196	176	181	203	189	183	192	159	190		
SRev CCGT-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 CCGT-Gas		1144	1429	1311	1660	1982	2122	2294	1953	2130	2266	2418	2314	2246	2086	2324	2452	2250	1506	1341	1115	1129	891	847	668	744	842	1055	871	483	816	821	563	295	280	328	477	828	997	716	343	239	215	255	210	399	483	613	522		
SRev Co-Gen		0	-1	0	0	2	-1	1	0	-1	0	0	2	0	0	0	3	0	0	0	0	0	0	0	1	0	1	0	1	1	0	0	0	0	1	0	0	0	0	0	1	0	1	1	0	0	0	0	0	-4	
Syncon		640	892	892	892	892	892	892	892	892	892	892	892	741	892	741	892	892	892	892	892	892	892	892	892	892	741	892	892	892	516	703	703	703	277	277	615	703	892	791	277	277	277	277	428	428	428	428	703		
Hydro		293	76	52	99	141	152	176	143	157	153	148	177	308	172	314	186	166	171	172	170	155	154	155	154	163	291	158	156	96	411	356	362	282	397	520	417	373	169	232	398	353	443	525	505	464	414	407	205		
S.Reserve Total		2305	2576	2472	2819	3201	3346	3557	3179	3373	3477	3644	3575	3493	3344	3600	3903	3609	2766	2592	2358	2414	2187	2150	1982	2085	2131	2383	2221	1771	1969	2109	1849	1488	1153	1310	1719	2094	2215	1932	1217	1047	1119	1262	1417	1474	1517	1609	1618		