

Daily System Generation Summary on Sunday

Sunday, June 27, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,200 MW
Distillate	0 MW
Total TNB	2,200 MW
Total IPP	14,959 MW
Total Co-Gen	0 MW
Total System	21,013 MW

Generation Mix

Type	MWh	Percentage
Hydro	8,504	2.84 %
Gas	59,616	19.88 %
Total TNB	68,120	22.71 %
ST-Coal	170,795	56.94 %
LSS	3,395	1.13 %
Gas	56,269	18.76 %
Total IPP	230,459	76.83 %
Co-Gen	161	0.05 %
Total Co-Gen	161	0.05 %
Total Generation	298,740	99.60 %
PLTG	-506	-0.17 %
HVDC	-697	-0.23 %
Interconnection	-1,203	-0.40 %
Net Energy	299,943	100.00 %

Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	00:00:00 Hour
Total Set On Bus	15,311 MW
TNB Generation	3,706 MW
IPP Generation	10,193 MW
Spinning Reserve	1,408 MW
Maximum Demand	13,946 MW
Net Energy	299,943 MWH
Load Factor	89.61 %

Fuel Cost

Total Cost:	43,513,639.48 RM
Cost per Unit	14.56 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	950
Hydro	206
Syncon	734
Thermal	402
Total	2,292

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	178
Total TNB	207
CBPS	49
NPRI	162
PGLA	6
PLPS	40
YPKA	62
Total IPP	317
Total Gas	524
Total Gas Required	524

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	13946	13381	12866	12439	12063	11710	11563	11167	10695	11111	11485	11818	12002	12174	12593	12809	12847	12670	12421	12734	13930	13930	13798	13708

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, July 5, 2021 5:41:37 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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	U002	696	694	694	696	695	697	696	696	697	695	692	696	694	693	695	698	694	695	700	695	697	697	696	698	696	696	697	695	696	695	699	694	693	697	695	697	694	691	699									
JMHE	U001	918	921	921	847	850	851	851	852	850	851	851	854	848	850	800	803	801	802	803	803	800	800	800	802	801	801	802	799	799	802	803	802	799	801	797	802	801	800	850	895	891	894	891	894	889	890	890	
JMHE	U002	918	921	920	847	850	852	852	853	850	849	850	852	848	845	852	797	799	800	802	800	799	800	801	800	801	801	800	798	799	803	801	799	802	798	801	799	801	849	895	891	892	894	890	893	890	890		
JMJG	U002	672	657	656	662	661	657	657	639	601	599	595	598	600	597	601	599	599	596	596	601	599	599	598	601	623	667	677	681	681	671	671	675	674	676	673	671	671	673	676	677	670	665	677	673	668	671	675	
JMJG	U003	660	664	666	662	666	666	665	666	663	666	673	666	667	663	666	666	667	661	662	665	666	667	662	663	667	668	657	684	677	654	662	668	667	669	663	673	663	655	651	592	595	590	597	596	596	596	596	
JMJG	U005	0	0	0	0	0	0	0	0	0	0	0	86	115	148	170	181	251	315	373	428	549	708	805	805	797	801	799	801	798	801	799	805	799	799	799	799	798	798	801	846	847	896	890	894	892	889	890	892
PKLG	U003	279	281	281	280	280	278	278	278	275	274	274	287	271	277	277	266	253	256	255	276	275	276	277	277	274	275	275	237	207	207	202	204	206	205	205	218	248	276	278	278	277	275	275	275	277	208	151	151
PKLG	U006	447	447	447	447	450	447	446	447	451	449	449	449	449	449	449	449	450	448	448	447	450	448	450	447	446	449	446	450	446	446	446	445	449	448	449	449	449	449	446	448	449	447	450	447	449	445	448	444
TBIN	U001	689	687	687	686	688	686	688	685	687	689	688	687	689	689	687	688	685	688	687	689	690	686	685	686	689	689	689	687	690	684	687	689	690	691	687	690	690	689	692	686	691	690	690	690	690	690	690	690
TBIN	U002	691	690	691	690	691	692	693	688	691	693	688	692	691	690	691	694	691	691	693	693	690	695	690	693	690	692	692	692	696	687	692	702	695	688	694	690	688	697	693	686	694	690	692					

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					
KNYR	HY01	99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	69	72	80	69	79	79	88	65
KNYR	HY02	61	99	99	99	99	99	99	59	0	0	0	0	0	0	0	0	0	0	0	0	59	101	60	60	59	59	59	59	98
KNYR	HY03	101	100	100	100	100	100	57	0	0	0	0	0	0	0	0	0	0	0	0	0	59	101	100	100	99	65	59	59	0
KNYR	HY04	65	84	60	96	67	59	99	61	71	66	64	61	56	56	57	59	58	61	62	58	63	58	75	81	75	81	75	80	59
LPIA	HY01	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	16	16	16	16	16	16	18	18	18	18	18	18	18	18
LPIA	HY02	15	15	15	15	15	15	15	15	15	15	15	15	15	15	16	16	16	16	16	15	15	15	15	15	15	15	15	15	15
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20
SIHY	HY01	30	31	31	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	30	30	30	30	0	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	HY01	25	25	25	0	0	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	HY02	25	25	25	0	0	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	HY03	22	22	22	0	0	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	HY04	25	25	25	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
TMGR	HY02	58	72	44	86	57	43	86	48	57	49	55	43	40	43	44	44	44	45	43	44	44	68	44	60	45	55	44	44	42
TMGR	HY03	84	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	32	32	32	31	0	0	0	0
TMGR	HY04	0	0	0	0	0	0	0	0	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	91	89	91	89	-1	-1</	

Daily MW Generation on Sunday

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																										
Interconnection		-40	-77	-51	-32	-54	-33	-78	-39	-26	-54	-10	-17	-6	-13	-2	-34	-35	-60	-69	-73	-33	-47	-5	-54	-39	-77	-66	-5	-27	-87	-101	-92	-80	-75	-59	-49	-52	-60	-20	-46	-2	-66	-52	-64	-80	-129	-96	-42		
System Total		13946	13702	13381	13124	12866	12664	12439	12190	12063	11929	11710	11604	11563	11447	11167	10718	10695	10940	11111	11326	11485	11692	11818	11930	12002	12115	12174	12447	12593	12719	12809	12849	12847	12856	12670	12511	12421	12414	12734	13557	13930	13920	13930	13901	13798	13867	13708	13524		
SRev ST-Coal		313	294	290	356	348	354	354	378	412	419	423	402	413	504	463	387	397	392	375	354	351	354	393	357	357	435	369	477	470	441	449	467	436	437	447	437	455	452	454	409	396	359	356	347	338	388	375	364		
SRev CCGT-Gas		218	377	483	239	336	489	716	514	494	670	806	927	1020	1182	1485	1892	1953	1866	1851	1781	1713	1666	1719	1724	1721	1653	1620	1285	1094	1042	948	878	788	710	843	886	960	965	580	172	130	146	148	158	159	118	124	195		
SRev LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 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	0	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 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncon		651	839	839	839	839	839	839	839	839	926	926	926	926	775	926	926	926	926	926	926	926	926	926	926	926	839	839	839	839	839	839	688	839	839	839	839	839	839	839	839	839	839	839	839	839	839	839	839	839	839
Hydro		231	158	208	144	129	152	66	227	122	133	133	148	157	287	150	149	151	148	145	150	142	149	148	140	146	140	142	143	96	144	239	141	117	146	142	144	146	137	141	272	323	361	337	371	225	335	223	345		
S.Reserve Total		1413	1668	1820	1578	1652	1834	1975	1958	1867	2061	2288	2403	2516	2748	3024	3354	3427	3332	3297	3211	3132	3095	3186	3147	3063	3067	2970	2744	2499	2466	2324	2325	2180	2132	2271	2306	2400	2393	2100	1591	1313	1330	1305	1340	1459	1391	1459	1490		