

Daily System Generation Summary on Sunday

Sunday, June 14, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,265 MW
Distillate	0 MW
Total TNB	2,265 MW
Total IPP	16,201 MW
Total Co-Gen	0 MW
Total System	21,166 MW

Generation Mix

Type	MWh	Percentage
Hydro	12,078	3.89 %
Gas	30,185	9.73 %
Total TNB	42,263	13.62 %
ST-Coal	213,762	68.87 %
LSS	2,265	0.73 %
Gas	50,898	16.40 %
Total IPP	266,925	86.00 %
Co-Gen	304	0.10 %
Total Co-Gen	304	0.10 %
Total Generation	309,492	99.71 %
PLTG	-193	-0.06 %
HVDC	-700	-0.23 %
Interconnection	-893	-0.29 %
Net Energy	310,385	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:	21:00:00 Hour
Total Set On Bus	15,983 MW
TNB Generation	3,030 MW
IPP Generation	11,671 MW
Spinning Reserve	1,218 MW
Maximum Demand	14,834 MW
Net Energy	310,385 MWH
Load Factor	87.18 %

Fuel Cost

Total Cost:	48,916,357.97 RM
Cost per Unit	15.80 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	245
Hydro	388
Syncon	819
Thermal	318
Total	1,770

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	28
TJGS	186
Total TNB	214
CBPS	49
NPRI	142
PGLA	55
SKSP	12
Total IPP	259
Total Gas	473
Total Gas Required	473

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	13637	13195	12685	12289	12111	11810	11758	11487	11018	11609	12169	12586	12802	12860	13110	13411	13373	13273	13042	13284	14786	14834	14667	14504

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, July 07, 2020 1:30:54 PM

(Ir. Shanmugam Thoppalan)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Sunday

		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	691	694	692	692	691	694	688	691	690	694	693	691	692	692	693	693	692	694	691	694	693	691	693	691	691	701	691	691	695	692																		
JMAH	U002	689	692	691	695	694	694	695	693	695	691	691	693	694	693	696	696	692	695	692	694	689	691	693	692	695	693	692	694	696	693	694	696	693	688	690													
JMHE	U001	935	935	938	941	937	938	781	780	784	776	779	778	780	783	782	781	782	783	780	780	780	779	776	776	854	851	853	853	853	854	850	846	851	850	851	850	930	928	928	929	929	930	928	929	930			
JMHE	U002	935	940	940	940	936	940	781	789	782	777	779	779	779	782	783	780	780	780	779	780	778	780	775	776	853	849	853	849	849	853	853	847	851	852	849	849	930	929	930	930	928	931	930	930	931			
JMJG	U002	677	673	672	672	671	674	673	671	612	662	677	672	678	672	665	677	667	669	673	671	673	672	669	678	674	672	673	670	674	673	671	672	672	672	672	667	666	671	673	677	677	671	669					
JMJG	U003	673	671	673	669	667	670	670	671	669	667	666	667	627	584	512	503	546	612	622	673	673	671	666	661	665	667	668	671	672	668	669	680	666	669	666	673	673	664	666	672	667	666	669	662	667	669	668	670
JMJG	U004	904	904	904	900	904	905	838	777	777	763	763	763	763	763	765	782	787	785	786	785	786	786	783	785	819	853	856	854	856	855	854	854	855	854	854	854	903	902	903	902	904	902	904	901	899			
PKLG	U003	281	283	281	283	284	282	280	279	220	253	280	282	282	281	280	252	208	237	280	281	282	282	281	284	285	285	280	280	281	285	281	229	204	244	278	278	279	278	280	281	280	281	280	281				
PKLG	U004	281	281	281	279	279	279	277	278	222	219	278	279	281	280	278	259	209	246	273	277	280	282	274	279	278	278	277	274	279	281	280	281	280	284	280	279	279	276	280	280	276	278	281	280	281			
PKLG	U005	466	466	463	463	460	463	462	464	414	427	466	466	464	464	466	432	357	371	453	467	466	468	461	459	461	462	464	464	462	466	468	467	466	466	467	467	466	466	468	469	468	468	468	467				
PKLG	U006	447	447	447	447	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	447	447	447	447	447	449	448	452	447	449	446																	

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																								
KNYR	HY02	-1	-1	-1	-1	-1	-1	-1	84	-1	-1	-1	-1	-1	-1	-1	-1	57	58	58	59	58	59	-1	-1	99	86	88	88	98	87	67	87	64	98	98	98	98	98	97	97	97	97	97					
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	57	58	57	58	57	58	55	57	59	93	98	70	99	99	98	87	63	96	99	99	99	99	99	99	99	98	99					
KNYR	HY04	-1	-1	-1	-1	-1	-1	-1	98	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	56	59	61	95	87	71	100	100	100	60	59	100	100	100	100	100	100	100	100	99	99	99	99	99	99					
LPIA	HY01	15	15	15	15	15	15	15	15	15	15	15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	14	12	12	12	12	12					
LPIA	HY02	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	10	10	10	10	10	11	10	10	10	10	10	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	12					
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	5	5	5	5	5	6	6	3	3	3	3	7	7	7	7	7	7	7	7	7				
PGAU	HY01	-1	-1	-1	25	-1	-1	-1	-1	81	-1	-1	-1	-1	-1	-1	-1	-1	19	19	-1	-1	-1	-1	21	21	21	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1				
PGAU	HY02	-1	21	-1	-1	-1	-1	-1	82	21	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1				
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	HY01	-1	-1	-1	-1	-1	-1	-1	32	-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	-1	-1	-1	-1	-1	-1	-1	-1				
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	HY03	-1	-1	-1	-1	-1	-1	-1	29	-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	-1	-1	-1	-1	-1	-1	-1	-1				
TMGR	HY04	35	35	34	27	35	33	36	36	35	32	35	34	36	36	35	36	35	36	35	36	35	36	35	36	35	36	35	36	36	36	36	36	35	36	36	32	53	63	83	83	32	32	63	63				
UJLI	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
UJLI	HY02	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	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				
UPIA	HY02	3	3	3	3	3	3	3	3	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
Total Hydro		184	208	181	190	180	176	183	184	220	789	271	181	187	184	182	178	184	203	187	189	185	260	262	239	263	238	243	233	264	371	522	541	517	624	606	422	392	335	466	1215	1538	1504	1518	1499	1411	1295	1308	1106
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		
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 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		
PCUF	CUFG	2	3	3	4	4	3	4	4	5	3	5	3	4	3	4	5	3	4	4	3	4	3	2	4	2	3	4	2	3	4	4	4	4	4	4	3	4	4	4	33	33	34	34	33	2	5	4	4
PCUF	CUFK	4	3	3	4	3	3	5	3	3	3	5	3	3	3	3	2	5	3	4	3	2	3	2	3	4	2	3	4	4	4	4	4	4	4	4	3	5	6	20	29	30	30	30	3	3	3	4	
Total Co-Gen		6	6	6	8	7	6	9	9																																								

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	
SRev ST-Coal		266	261	261	263	303	294	442	473	669	439	324	312	359	373	370	479	424	437	333	185	371	367	384	379	380	387	373	359	335	330	332	312	325	327	339	318	313	329	325	248	287	263	226	216	214	215	222	232
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
SRev CCGT-Gas		488	674	963	1152	1414	1563	1378	1415	1232	1208	894	900	820	958	1024	1470	1435	1340	1150	1114	822	520	536	377	364	358	237	269	227	141	158	258	218	270	250	647	953	797	706	323	120	118	137	275	139	148	185	223
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
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
SRev Co-Gen		66	66	66	64	65	66	63	63	64	66	62	66	63	66	67	67	63	63	65	63	66	65	65	67	65	67	68	65	66	65	66	64	65	64	66	65	65	63	62	19	10	8	8	9	67	64	65	64
Syncon		1305	1154	1305	1154	1305	1305	1305	1305	374	1028	1305	1305	1305	1305	1305	1305	1154	1305	1305	1305	1053	1053	1204	1053	1204	1204	1204	1053	952	952	801	977	916	916	1103	1103	1103	952	302	302	302	403	302	151	302	151	489	
Hydro		161	288	164	306	165	169	162	161	125	487	351	164	158	161	163	167	161	293	158	156	160	337	335	207	334	208	203	213	333	327	326	458	306	260	278	275	305	365	385	727	554	588	448	568	807	773	911	675
S.Reserve Total		2286	2443	2759	2939	3252	3397	3350	3417	3395	2574	2659	2747	2705	2863	2929	3488	3388	3287	3011	2823	2724	2342	2373	2234	2196	2224	2085	2110	2014	1815	1834	1893	1891	1837	1849	2408	2739	2657	2430	1619	1273	1279	1222	1370	1378	1502	1534	1683