

Daily System Generation Summary on Wednesday

Wednesday, August 5, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,421 MW
Distillate	0 MW
Total TNB	2,421 MW
Total IPP	17,867 MW
Total Co-Gen	0 MW
Total System	23,111 MW

Generation Mix

Type	MWh	Percentage
Hydro	22,961	6.14 %
Gas	35,402	9.47 %
Total TNB	58,363	15.61 %
ST-Coal	232,569	62.22 %
LSS	1,988	0.53 %
Gas	80,719	21.59 %
Total IPP	315,276	84.34 %
Co-Gen	171	0.05 %
Total Co-Gen	171	0.05 %
Total Generation	373,810	100.00 %
PLTG	700	0.19 %
HVDC	-695	-0.19 %
Interconnection	5	0.00 %
Net Energy	373,805	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:	16:30:00 Hour
Total Set On Bus	18,758 MW
TNB Generation	3,422 MW
IPP Generation	14,217 MW
Spinning Reserve	1,110 MW
Maximum Demand	17,633 MW
Net Energy	373,805 MWH
Load Factor	88.33 %

Fuel Cost

Total Cost:	57,627,886.77 RM
Cost per Unit	15.42 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	409
Hydro	408
Syncon	463
Thermal	218
Total	1,498

Time	Weather	Temperature
Afternoon	Hot	32
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	15187	14469	13947	13506	13246	13116	13250	13180	13714	15400	16288	16828	16718	16458	17101	17528	17599	17273	15903	15768	16993	17009	16574	16130

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, September 4, 2020 10:27:52 AM

(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	
JMAH	U001	692	694	692	691	692	692	693	694	691	692	692	691	692	691	692	697	693	691	691	691	693	692	694	693	692
JMAH	U002	695	693	695	693	692	693	694	694	695	694	695	696	696	694	696	693	694	692	695	692	695	692	696	696	695
JMHE	U001	981	920	780	783	780	781	778	780	780	783	780	780	781	778	778	781	981	981	980	979	980	978	981	980	981
JMHE	U002	981	979	976	780	778	779	780	781	781	780	782	782	783	780	782	779	780	981	981	982	978	980	979	978	980
JMIG	U001	671	671	670	673	672	673	671	673	671	673	671	672	672	675	672	667	672	671	675	672	667	673	673	673	671
JMIG	U002	673	671	668	672	667	673	672	671	672	673	668	673	668	678	677	675	673	675	677	666	673	666	679	671	674
JMIG	U003	596	655	662	667	666	670	668	669	668	668	667	673	668	670	672	668	667	667	667	673	666	668	667	669	668
JMIG	U004	977	920	832	789	787	789	787	789	789	790	788	791	790	788	789	790	792	794	880	942	985	983	978	981	980
JMIG	U005	153	161	167	188	245	256	342	425	563	582	704	706	720	708	700	701	701	695	690	690	692	691	690	685	680
PKLG	U003	282	283	283	283	286	271	279	279	281	279	280	282	282	280	281	278	281	282	283	281	278	280	279	282	280
PKLG	U004	280	279	278	278	268	279	277	277	275	278	278	280	279	279	279	278	280	277	278	279	281	278	277	278	278
PKLG	U005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	60	70	85	85	99	102	141	152	
TBIN	U001	690	689	689	689	687	689	689	688	689	689	690	690	688	689	688	687	688	689	692	688	687	688	688	685	689
TBIN	U003	691	690	694	692	693	692	691	689	699	690	692	699	687	690	694	688	689	691	692	693	687	690	694	691	688
TBIN	U004	984	928	838	784	782	783	781	780	781	783	783	782	783	782	784	784	874	962	982	1007	1013	1013	1013	1012	1013
Total ST-Coal		9346	9233	8924	8662	8695	8720	8802	8889	9035	9051	9175	9197	9184	9183	9187	9167	9163	9174	9777	9959	10019	10053	10060	10075	10065
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	360	364	358	359	365	361	328	225	221	221	219	221	221	228	222	223	231	276	333	354	358	357	356	356	349
GLGR	GT01	87	86	87	87	76	69	69	69	67	69	69	69	69	67	68	69	69	91	101	100	101	99	100	67	66
GLGR	GT02	86	85	85	86	74	68	68	68	68	68	68	68	68	68	68	68	92	100	101	101	101	101	101	68	68
GLGR	ST1C	81	81	81	81	78	71	71	71	71	72	71	71	71	71	71	71	71	80	89	89	89	89	89	71	71
KLPP	GT13	135	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	GT14	78	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	GT15	160	160	153	153	132	132	132	136	135	136	132	136	132	136	133	133	133	132	135	140	135	146	157	138	135
KLPP	ST17	182	115	58	58	52	54	51	51	52	52	53	53	53	53	53	53	53	53	53	58	58	54	54	59	54
NPRI	BLK1	520	519	522	518	519	518	518	424	319	320	323	320	325	319	319	321	509	507	505	506	505	506	504	494	505
NPRI	BLK2	521	524	523	522	522	523	358	341	431	487	329	348	489	524	413	518	527	526	509	508	508	506	496	507	504
PCGP	PGRG	602	603	602	603	603	604	601	602	401	181	181	184	181	186	182	182	249	609	606	603	604	603	603	589	603
PGLA	GT11	167	173	167	166	167	170	168	170	167	167	168	168	167	171	166	166	168	192	168	169	168	163	167	199	163
PGLA	GT12	195	201	195	195	195	197	197	197	196	196	196	196	195	200	195	194	196	220	198	197	196	191	195	228	189
PGLA	ST10	205	209	207	205	205	205	205	205	205	205	204	204	204	204	204	213	202	205	207	213	204	225	207	224	207
PLPS	GT11	134	134	133	133	128	129	129	129	129	129	128	129	128	129	129	129	128	129	129	144	142	143	142	129	127
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	93	136
PLPS	ST18	59	57	58	58	58	58	58	58	57	57	58	58	58	58	58	58	58	59	61	59	60	60	57	59	118
SKSP	BLK1	231	239	257	235	218	219	219	217	218	221	220	221	218	220	218	215	218	227	229	299	320	306	285	291	280
TJGS	GT1A	175	180	187	189	180	178	135	131	133	135	131	133	134	138	137	152	229	233	187	217	225	216	240	238	240
TJGS	GT1B	164	165	170	180	167	170	120	123	122	123	121	122	123	132	122	139	217	214	184	206	208	204	223	222	221
TJGS	ST1C	211	190	222	218	198	195	170	170	170	170	170	170	182	172	177	230	203	208	225	237	236	256	256	256	256
TJGS	GT2A	218	218	218	219	147	146	146	146	146	146	146	146	148	146	146	183	182	210	210	210	211	209	209	208	210
TJGS	GT2B	215	215	215	215	214	144	145	145	145	145	145	145	145	145	145	182	180	182	206	206	208	208	208	207	207
TJGS	ST2C	260	260	260	260	260	211	211	211	211	211	211	211	211	211	211	236	239	236	255	255	255	255	255	255	255
YPKA	GT11	127	127	127	127	67	67	66	67	67	67	67	67	67	67	66	67	66	67	67	67	128	128	128	127	65
YPKA	GT12	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117
YPKA	ST10	66	52	52	52	33	32	33	32	32	32	33	33	33	33	33	33	33	33	33	53	54	54	54	33	32
Total CCGT-Gas		5307	5037	4937	4918	4730	4522	4198	3986	3764	3610	3442	3474	3603	3698	3536	3669	3972	4728	4615	4831	4974	5046	5105	5172	5018
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	0

Daily MW Generation on Wednesday

[illegible]

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		
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	11	19	25	28	32	29	25	26	39	50	16	18	15	30	24	17	15	7	4	1	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	1	6	9	9	26	37	27	34	32	50	45	35	34	42	36	39	51	27	28	22	14	11	4	1	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	2	6	16	16	31	23	29	23	27	28	23	23	23	15	12	12	11	10	8	8	8	3	2	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	2	23	57	95	150	199	228	235	257	287	297	280	293	267	242	265	246	181	158	130	88	76	33	11	1	1	0	0	0	0	0	0	0	
PCUF	CUFG	4	6	5	4	4	3	4	4	2	3	4	4	5	4	4	2	3	4	4	4	4	3	5	4	2	3	3	4	3	5	4	5	4	5	5	6	6	7	7	4	2	3	4	3	3	4			
PCUF	CUFK	5	5	6	5	3	2	3	2	3	3	4	4	4	3	3	2	2	4	3	3	4	5	5	3	2	3	2	3	1	1	4	6	2	4	1	5	3	2	3	4	2	2	3	4	2	3	2		
Total Co-Gen		9	11	11	9	7	5	7	7	4	6	7	8	9	7	7	4	5	8	7	7	8	8	10	7	4	6	5	7	4	6	8	11	6	9	6	11	9	9	10	8	4	5	8	6	7	5	6	6	
Total Gen		15165	14817	14407	14071	13913	13703	13462	13335	13256	13118	13073	13062	13245	13359	13182	13206	13681	14764	15370	15884	16238	16688	16808	16928	16768	16614	16480	16870	17183	17561	17554	17570	17614	17654	17316	16538	15933	15638	15744	16614	17021	17057	17021	16841	16645	16508	16184	15918	
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29		
TIE-PLTG		7	-40	-33	-36	-5	28	-15	-2	38	-19	-14	21	23	1	31	42	-4	-15	-1	-10	-20	45	9	77	79	54	51	6	110	52	55	48	44	50	73	51	59	13	5	21	57	77	40	52	100	48	84	63	
Interconnection		-22	-68	-62	-65	-34	-1	-44	-30	10	-48	-43	-8	-5	-29	2	14	-33	-44	-30	-39	-50	16	-20	49	50	26	22	-23	82	23	26	20	15	21	73	22	30	-16	-24	-7	28	49	12	23	71	18	54	34	
System Total		15187	14885	14469	14136	13947	13704	13506	13365	13246	13166	13116	13070	13250	13388	13180	13192	13714	14808	15400	15923	16288	16672	16828	16879	16718	16588	16458	17683	17101	17538	17528	17550	17599	17633	17273	16516	15903	15654	15768	16621	16993	17008	17009	16818	16574	16490	16130	15884	
SRev ST-Coal		211	414	582	509	574	548	565	580	634	617	494	476	493	489	486	503	510	500	485	358	298	184	187	172	162	163	173	203	188	202	193	194	202	188	197	193	209	167	197	192	182	190	204	186	179	219	218	216	
SRev CCGT-Gas		813	735	540	559	747	955	1279	1491	1713	1867	2035	2003	1874	1779	1941	1808	1505	749	862	646	503	431	372	305	459	534	663	497	420	263	343	296	240	269	376	689	971	1129	971	331	385	353	379	392	495	538	722	661	
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		
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		
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		
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		
Syncon		990	889	889	889	889	889	889	889	889	889	889	889	889	889	738	889	889	763	676	676	676	676	489	489	489	489	676	676	489	338	302	151	302	302	302	302	676	676	676	676	676	489	489	489	676	676	525	676	525
Hydro		79	67	68	73	74	99	100	102	102	104	106	172	106	235	103	191	163	231	252	191	215	429	534	515	538	481	621	714	754	532	644	507	426	351	542	350	413	312	313	301	295	276	275	271	222	350	91	222	
S.Reserve Total		2093	2105	2079	2030	2284	2491	2833	3062	3338	3477	3524	3540	3362	3241	3419	3391	2941	2156	2275	1871	1692	1533	1582	1481	1648	1854	2133	1903	1700	1299	1331	1299	1170	1110	1417	1908	2269	2284	2157	1500	1351	1308	1347	1525	1572	1632	1707	1624	