

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,336 MW
Distillate	0 MW
Total TNB	2,336 MW
Total IPP	17,637 MW
Total Co-Gen	0 MW
Total System	22,442 MW

Generation Mix

Type	MWh	Percentage
Hydro	18,951	5.41 %
Gas	29,243	8.35 %
Total TNB	48,194	13.75 %
ST-Coal	231,716	66.13 %
LSS	2,103	0.60 %
Gas	68,415	19.52 %
Total IPP	302,234	86.25 %
Co-Gen	198	0.06 %
Total Co-Gen	198	0.06 %
Total Generation	350,626	100.06 %
PLTG	-513	-0.15 %
HVDC	720	0.21 %
Interconnection	207	0.06 %
Net Energy	350,419	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:	16:00:00 Hour
Total Set On Bus	17,581 MW
TNB Generation	3,028 MW
IPP Generation	13,321 MW
Spinning Reserve	1,224 MW
Maximum Demand	16,331 MW
Net Energy	350,419 MWH
Load Factor	89.41 %

Fuel Cost

Total Cost:	54,289,808.06 RM
Cost per Unit	15.49 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	493
Hydro	340
Syncon	581
Thermal	224
Total	1,638

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	47
TJGS	167
Total TNB	214
CBPS	49
NPRI	136
PGLA	104
PLPS	35
SGB3	1
SKSP	47
YPKA	21
Total IPP	392
Total Gas	607
Total Gas Required	607

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	14217	13543	13054	12740	12461	12366	12649	12674	13071	14601	15357	15879	15701	15487	16068	16198	16331	16003	14903	14848	15933	15753	15314	14888

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, August 05, 2020 12:45:13 PM

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

Daily MW Generation on Wednesday

		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	693	692	693	692	660	602	603	555	550	551	587	664	677	693	694	692	703	694	691	693	693	693	691	692	693	692	691	691	693	692	692	692	691	694	690	692	694	693									
JMAH	U002		694	694	697	694	695	694	671	602	603	549	554	553	603	662	693	694	694	695	692	694	694	694	693	695	693	693	695	696	693	694	694	694	696	693	695	695	694	695	694	699	695	692	695	695	695			
JMHE	U001		897	900	849	781	776	784	784	780	783	780	781	781	780	781	783	780	779	957	978	981	978	981	980	977	980	981	979	977	981	980	979	980	975	983	979	975	980	986	980	981	981	983	980	981	982	976	982	
JMHE	U002		898	900	851	776	778	782	782	781	779	782	779	781	779	779	782	782	780	782	966	979	978	980	981	980	975	980	982	980	976	980	979	980	978	977	982	977	976	979	983	979	979	980	982	979	980	980	976	980
JMJG	U001		674	668	672	666	675	671	670	673	674	671	671	672	672	671	667	673	670	669	678	670	671	671	671	671	671	671	669	668	672	673	673	673	671	671	670	668	673	672	672	679	672	680	669	670	672	668	672	
JMJG	U002		602	604	621	670	670	675	679	676	678	678	678	677	679	679	678	679	676	678	679	681	677	675	678	678	678	676	671	672	677	677	680	669	662	675	673	670	668	676	672	675	672	666	640	683	671	675	671	
JMJG	U003		661	667	667	664	666	668	666	656	662	662	664	661	666	665	660	667	663	662	652	668	667	661	662	657	666	659	665	662	662	665	662	659	664	662	662	672	666	663	662	661	664	662	663	667	661	664	663	663
JMJG	U004		903	902	854	821	782	785	786	785	787	782	786	786	785	786	786	786	785	785	851	933	970	977	979	977	977	978	981	975	980	977	978	980	979	977	978	977	977	977	977	977	977	977	977	977	977	979		
PKLG	U003		281	284	284	282	284	283	286	282	276	284	284	283	282	282	287	282	282	282	282	279	277	281	281	280	278	282	280	279	278	280	279	280	280	281	281	281	280	280	282	281	282	281	281	278	279	281	282	281
PKLG	U004		277	279	280	279	278	279	270	277	278	276	279	277	278	278	278	274	278	276	278	279	278	279	278	279	278	279	278	280	279	277	277	284	284	280	279	278	278	276	277	290	280	279	276	281	279			
PKLG	U005		467	466	467	468	468	470	467	467	468	466	467	468	466	466	468	468	467	466	468	467	468	468	466	466	465	466	466	438	346	252	190	112	74	0	0	0	0	0	0	0	0	0	0	0	0	0		
PKLG	U006		451	451	452	446	446	446	449	383	356	358	360	358	358	360	357	360	358	360	372	349	364	411	446	446	449	450	449	449	445	445	446	443	442	445	446	443	443	446	442	446	446	449	448	454	452	449	448	448
TBIN	U001		689	689	689	690	689	690	690	689	690	691	687	691	691	690	691	689	689	690	689	689	689	689	688	688	689	689	689	687	692	689	688	689	689	689	691	689	686	690	689	691	691	689	689	686	689	689	691	
TBIN	U003		690	689	691	691	691	690	692	693	692	690	691	691	693	693	692	689	692	692	694	691	692	692	692	693	691	693	691	692	691	691	693	692	690	692	696	692	691	693	693	691	691	692	691	693	691	691	692	
TBIN	U004		903	902	851	817	782	781	780	782	782	783	783	783	782	783	783	782	782	851	937	981	982	982	983	982	982	982	982	982	982	982	982	983	982	982	982	982	981	983	982	982	982	982	983	983	982	983	983	
Total ST-Coal			9779	9788	9617	9438	9373	9390	9332	9128	9108	9010	9013	9013	9102	9238	9280	9301	9290	9293	9813	9985	10078	10131	10174	10165	10158	10177	10184	10133	10027	9963	9888	9816	9762	9677	9714	9714	9683	9686	9712	9695	9703	9703	9717	9674	9705	9702	9698	9709
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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CBPS	BLK2		216	223	223	219	223	223	217	225	224	221	222	225	226	226	226	210	224	301	355	355	360	361	361	361	352	361	361	361	353	362	361	361	358	365	359	360	365	362	350	359	362	362	362	360	363	358	359	358
GLGR	GT01		68	69	69	69	68	68	69	69	68	69	70	69	68	68	67	69	69	69	67	68	69	67	68	67	69	95	101	100	101	102	101	94	67	67	72	106	104	105	85	85	68	68	67	68	68			
GLGR	GT02		68	68	68	68	68	69	69	68	68	69	69	68	68	69	68	68	68	68	68	68	68	68	68	68	96	101	101	101	101	101	94	68	67	72	105	105	104	84	85	68	68	68	68	68	68			
GLGR	ST1C		71	72	71	71	71	70	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	83	89	89	89	89	89	88	71	71	92	92	93	83	81	71	71	71	71	71	71	71			
NPRI	BLK1		499	398	397	316	315	322	318	320	317	318	319	323	322	322	319	304	323	325	446	501	502	506	506	506	492	506	505	504	506	506	507	508	507	506	505	505	506	496	505	505	506	504	504	506	504	500	500	
NPRI	BLK2		352	335	329	326	325	343	323	405	329	331	333	373	412	383	335	310	533	485	332	514	503	506	508	508	491	507	507	507	496	507	507	509	509	506	505	505	507	508	508	507	506	507	506	508	502	442		
PCGP	PGRG		587	602	601	595	495	252	199	181	181	180	182	187	183	182	181	182	184	607	603	596	600	604	604	603	583	603	599	603	587	603	605	605	605	606	602	601	602	602	587	603	604	605	603	601	604	603	597	597
PGLA	GT11		163	163	169	167	166	168	166	168	167	169	168	170	168	168	169	161	169	169	168	165	177	179	173	174	180	166	165	190	197	198	182	190	218	213	213	169	171	172	163	194	183	188	164	176	175	170	187	177
PGLA	GT12		190	192	196	194	194	197	195	196	195	198	197	199	197	198	198	190	198	198	197	194	207	208	203	203	208	193	193	221	226	226	210	219	246	244	245	198	201	203	191	222	213	217	192	205	204	201	216	208
PGLA	ST10		203	214	204	202	203	202	202	204	204	205	204	204	204	205	200	198	203	205	203	202	222	209	222	209	228	208	215	228	235	223	214	233	238	238	215	207	204	200	221	213	219	210	214	212	204	218	212	
PLPS	GT11		128	129	128	128	128	128	129	129	129	129	129	128	128	128	128	128	128	128	133	134	133	133	133	123	128	128	128	128	129	133	133	134	129	128	128	128	128	128	128	128	128	129	129	129	125			
PLPS	ST18		59	58	59	58	59	58	60	58	59	58	59	59	57	59	58	58	58	59	59	59	60	59	60	59	59	59	61	60	59	60	60	58	58	57	58	55	58	59	59	58	59	59	59	58	56			
SGB3	GT33		108	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
SGB3	ST34		54	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
SKSP	BLK1		217	224	220	219	217																																											

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																									
CEND	HY04	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8																									
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	100	125	125	125	125	124	125	124	-1	-1	-1	126	125	125	125	125	-1	-1	-1	-1																		
HTRG	HY02	0	0	0	0	0	0	0	0	0	0	0	63	125	125	125	125	124	125	124	63	63	63	124	124	125	125	125	124	125	125	63	0	0	0	0														
KNRG	HY01	37	37	37	37	37	37	37	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25				
KNRG	HY03	37	37	37	37	37	37	37	22	22	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25				
KNYR	HY01	97	57	58	54	54	56	56	58	59	57	58	58	59	60	57	53	59	101	99	99	100	100	99	98	97	100	100	100	98	100	100	101	101	99	99	100	98	95	99	100	100	99	99	100	99	97	97		
KNYR	HY02	98	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	61	58	48	60	102	100	99	101	101	99	99	98	100	100	101	101	100	100	101	101	99	99	100	98	96	100	101	101	100	100	101	100	100	98	98		
KNYR	HY04	98	58	59	55	55	57	57	59	60	-1	-1	-1	-1	-1	-1	60	102	100	100	101	101	100	100	98	101	101	101	100	101	101	102	102	100	100	101	99	97	101	101	101	101	101	101	101	100	100	98	98	
LPIA	HY01	24	24	24	24	24	24	24	24	24	24	24	24	24	23	22	22	22	23	23	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24			
LPIA	HY02	24	24	24	24	24	24	24	24	24	24	24	24	23	22	22	22	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23		
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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
PGAU	HY01	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	111	111	111	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
PGAU	HY02	-1	-1	-1	19	-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			
PGAU	HY03	-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	-1	-1			
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	0	0	0	0	0	
SIHY	HY01	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	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	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	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	0	0	0	0	
SYPS	HY02	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	0	0	0	0	
TMGR	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	-1	-1			
TMGR	HY02	31	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33		
TMGR	HY03	-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	-1	-1	-1		
TMGR	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	0	0	0	0	
UJLI	HY01	84	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	92	-1	-1	-1	92	-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	-1	-1			
UPIA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
UPIA	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
Total Hydro		635	344	327	339	319	344	323	301	302	242	243	276	377	428	327	332	408	882	894	896	892	870	982	979	876	647	647	648	1058	1261	1379	1536	1588	1627	1432	1060	611	506	652	1228	1385	1365	1360	1245	976	919	632	715	
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	
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	5	10	10	15	14	22	13	24	17	22	29	20	21	16	11	7	8	6	10	4	1	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	3	6	7	10	13	18	16	18	27	35	30	44	29	19	22	23	19	19	14	14	8	4	2	1	1	1	0	0	0	0	0	0	0	0	0
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	14	21	16	17	39	28	40	27	36	29	43	30	35	23	15	27	19	8	6	4	1	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	2	5	9	18	20	17	27	22	20	23	29	30	19	16	25	22	18	11	7	5	2	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	2	6	7	8	14	26	43	33	42	44	44	45	32	44	22	23	18	34	29	8	10	5	2	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	2	1	4	10	32	24	23	21	23	22	21	19	16	21	16	15	32	13	20	18	5	2	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	7	8	17	19	22	19	21	30	44	34	45	45	28	30	31	8	8	5	7	10	8	1	0	0	0										

Daily MW Generation on Wednesday

[illegible]