

Daily System Generation Summary on Wednesday

Wednesday, June 9, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,240 MW
Distillate	0 MW
Total TNB	2,240 MW
Total IPP	16,529 MW
Total Co-Gen	0 MW
Total System	23,040 MW

Generation Mix

Type	MWh	Percentage
Hydro	11,111	3.38 %
Gas	73,189	22.29 %
Total TNB	84,300	25.68 %
ST-Coal	187,618	57.15 %
LSS	2,425	0.74 %
Gas	51,969	15.83 %
Total IPP	242,012	73.72 %
Co-Gen	164	0.05 %
Total Co-Gen	164	0.05 %
Total Generation	326,476	99.45 %
PLTG	-1,123	-0.34 %
HVDC	-694	-0.21 %
Interconnection	-1,817	-0.55 %
Net Energy	328,293	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:	20:00:00 Hour
Total Set On Bus	16,148 MW
TNB Generation	3,955 MW
IPP Generation	10,845 MW
Spinning Reserve	1,343 MW
Maximum Demand	14,847 MW
Net Energy	328,293 MWH
Load Factor	92.13 %

Fuel Cost

Total Cost:	47,353,467.31 RM
Cost per Unit	14.51 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	175
Hydro	311
Syncon	689
Thermal	475
Total	1,650

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	54
TJGS	218
Total TNB	272
CBPS	55
NPRI	152
PLPS	39
Total IPP	246
Total Gas	518
Total Gas Required	518

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	14578	13935	13363	12871	12479	12209	12125	11927	12117	13159	13620	13914	14048	13905	14216	14521	14521	14297	13665	13805	14847	14796	14672	14493

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, July 5, 2021 5:24:25 PM

(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	652	601	502	398	373	351	350	351	350	350	353	351	351	352	351	353	458	451	451	451	452	454	452	452	453	451	451	452	451	502	502	501	501	503	502	502	502	503	503	656	651	602	602	552	551	500	503		
JMAH	U002	695	651	604	539	401	350	353	354	353	354	353	353	353	353	353	353	354	458	454	454	454	454	454	455	453	454	453	454	454	506	504	503	504	506	505	505	507	505	506	653	654	608	605	554	556	508	506			
JMHE	U001	952	950	898	899	849	863	849	779	778	782	781	782	781	778	782	780	779	776	896	897	899	900	898	900	896	903	946	949	948	947	950	951	950	948	948	950	948	948	953	947	951	950	952	952	950	953	948			
JMHE	U002	950	951	899	885	848	852	851	779	779	778	779	781	781	781	780	781	779	779	779	897	900	899	897	901	897	899	942	950	949	951	951	950	950	948	950	949	946	950	950	950	951	950	949	951	951	949				
JMJG	U001	447	447	447	444	444	450	447	449	447	447	446	451	448	446	448	445	445	447	536	596	596	596	601	648	663	666	666	666	668	667	668	664	670	666	671	666	666	667	678	658	663	668	662	668	666	661	671			
JMJG	U002	673	667	666	657	681	667	668	667	673	661	640	596	601	598	591	550	562	644	668	678	669	679	668	683	661	673	677	670	679	667	672	677	664	675	680	673	673	672	677	676	676	672	668	673	674	667	673			
JMJG	U003	668	669	668	665	669	669	663	666	671	658	646	594	592	598	588	542	567	629	667	671	670	666	668	662	668	670	666	668	670	669	667	666	668	668	669	666	667	668	672	667	667	666	661	665	665	665	665	664		
JMJG	U005	462	526	628	719	771	786	795	794	801	795	799	803	801	800	800	795	801	801	826	869	889	891	887	888	888	890	890	889	891	890	892	889	888	888	888	892	889	888	891	890	889	890	890	890	890	888	895	890		
PKLG	U003	274	274	273	273	275	275	271	276	275	276	277	277	277	275	279	279	278	277	278	278	278	277	277	276	279	277	280	276	279	278	281	281	279	276	279	280	279	281	281	278	278	256	274	281	281	282	281	282		
TBIN	U001	689	686	688	651	649	637	599	598	498	432	401	403	402	400	400	400	400	400	400	499	500	501	501	500	501	500	537	551	552	552	554	604	695	689	692	686	690	689	686	689	686	689	686	688	690	598				
TBIN	U002	691	691	691	675	654	625	602	639	503	502	461	398	402	403	402	405	402	403	511	505	503	501	504	500	537	551	552	552	554	604	695	692	695	691	692	691	691	692	691	691	691	691	691	691	693	692	623			
TBIN	U004	955	953	913	903	879	853	853	852	852	854	853	852	854	853	853	851	852	854	874	903	902	901	903	905	903	902	902	934	951	950	956	952	953	952	955	955	951	953	954	954	953	951	953	953	952	951	952	951		
Total ST-Coal		8148	8117	7976	7812	7518	7400	7302	7167	6980	6850	6722	6644	6646	6638	6630	6530	6576	7125	7314	7578	7682	7719	7711	7838	7869	7881	7886	8002	8147	8318	8422	8427	8398	8416	8421	8423	8414	8415	8424	8440	8704	8697	8603	8610	8512	8515	8415	8258		
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	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	0		
CBPS	BLK2	362	356	356	356	363	356	361	361	360	349	357	357	355	355	349	356	362	349	354	362	356	362	356	349	359	364	357	364	357	362	362	362	350	350	320	362	363	360	360	359	351	359	359	360	360					
GLGR	GT01	101	100	100	101	102	101	100	99	101	101	100	69	68	68	68	68	100	101	101	100	100	101	99	99	101	100	100	100	100	100	100	100	100	100	101	100	68	67	68	68	92	99	101	99	100	100	100	100		
GLGR	GT02	101	100	100	100	101	100	101	100	100	100	100	67	68	68	67	67	101	100	100	100	100	101	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	67	68	67	68	94	101	100	100	100	100	100		
GLGR	ST1C	91	91	91	91	91	91	91	91	91	91	91	76	72	72	72	72	90	92	91	90	92	91	91	91	91	91	91	91	91	91	91	91	91	91	91	74	72	73	73	84	91	91	91	91	91	91	91			
NPRI	BLK1	501	495	490	496	500	499	495	491	494	487	491	488	497	500	486	494	501	482	493	491	488	498	506	505	496	490	504	506	505	506	498	503	506	506	502	503	506	503	506	509	494	502	501	497	505	505	505	506		
NPRI	BLK2	509	503	499	504	508	506	503	498	502	496	499	496	506	508	493	501	510	490	500	498	495	505	509	506	499	493	507	509	509	509	501	505	509	509	503	498	496	490	521	520	500	515	523	502	524	524	526	528		
PCGP	PGRG	601	594	588	597	603	598	595	589	594	586	591	586	597	599	583	594	603	578	592	585	598	604	600	589	581	600	603	601	604	594	598	604	601	595	600	604	598	603	607	588	597	596	592	599	603	599	603			
PLPS	GT11	143	137	139	140	141	143	143	138	139	141	139	142	140	137	139	143	136	142	140	137	141	140	137	135	129	137	140	140	137	140	140	140	140	140	140	129	129	129	142	141	141	141	141	141	142	141	141			
PLPS	GT12	116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
PLPS	GT13	143	99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
PLPS	ST18	211	138	59	58	57	58	58	58	58	57	57	57	58	58	56	58	58	57	58	58	58	58	58	58	57	57	56	56	58	58	58	57	58	58	57	56	57	56	56	58	58	58	58	58	58	58	58			
SPGP	BLK1	717	718	718	719	716	718	718	717	717	717	717	718	718	717	717	716	716	716	718	719	716	717	719	718	719	719	717	717	717	717	718	718	716	718	719	719	719	719	717	719	717	719	719	719	719	718	719	717		
SPGP	BLK2	719	719	719	717	716	718	718	718	718	717	718	718	717	718	719	720	716	717	716	718	716	718	719	718	719	718	719	718	717	717	718	719	718	719	719	718	718	719	717	719	717	718	718	718	718	717	717			
TJGS	GT1A	228	222	221	229	229	226	226	222	226	221	225	225	225	226	223	225	226	211	225	226	222	226	222	226	222	226	227	218	226	227	223	226	226	224	226	225	223	223	199	160	228	226	226	223	226	225	226	224	223	225
TJGS	GT1B	216	216	214	215	218	217	215	212	216	214	214	216	214	218	211	216	220	200	218	219	212	219	218	218	214	209	216	218	213	218	212	213	215	214	218	216	187	152	216	219	214	217	216	213	214	217	216	215		
TJGS	ST1C	244	244	244	240	239	242	242	242	242	238	241	241	241	241	237	242	242	234	240	240	240	240	240	240	240	236	240	240	243	243	243	243	243	243	243	246	221	193	208	244	244	240	244	244	244	244	244	244		
TJGS	GT2A	215	217	216	216	216	216	216	216	216	216	216	216	216	174	154	197	216	216	216	216																														

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					
KNYR	HY01	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
KNYR	HY02	74	88	73	58	97	67	57	58	58	57	57	57	74	60	57	58	100	54	55	55	57	58	99	94	61	58	58	59	78	88	60	59	73	78	60	59	61	60	91	100	60	56	59	60	98	97	97	96	97	96	
KNYR	HY03	99	99	98	96	96	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	58	100	98	95	95	98	98	101	99	98	98	98	58	-1	-1	-1	-1	100	98	96	97	97	97	98	98	98	98	98	98		
KNYR	HY04	61	60	59	57	57	57	57	58	-1	-1	-1	-1	-1	-1	-1	-1	61	59	55	59	61	95	99	73	60	60	63	78	93	65	64	72	80	64	62	-1	-1	-1	100	98	53	99	99	99	100	100	100	100	100	100	
LPIA	HY01	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	17	17	17	17	17	17	18	18	18	18	19	19	19	19	19	19	19	19	17	17			
LPIA	HY02	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	17	17	17	17	17	18	18	18	18	18	18	18	18	18	18	18	17	17				
MNOR	HY01	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3	3	3	3	1	1	1	1	4	4	4	4	4	4	2	2	2	2	4	4	4	4	4	4	4	2	2	1	1		
PGAU	HY01	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	-1				
PGAU	HY03	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	30	30	30	30	30	30	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	30	30	30	30	30	30	30	30	30	30	0	0	5	30	30	30	30	30	0	0	0	50	50	30	50	37	0	0	0	0	0	0		
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	30	30	0	0	30	30	30	30	30	30	30	30	30	30	30	30	30	50	39	30	30	30	30	30			
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	17	0	0	0	17	17	17	17	17	17	17	17	17	17	17	25	25	25	25	25	25	25	25	25	25	25	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	0	0	0	17	17	17	17	17	17	0	0	0	25	25	25	25	25	25	25	25	25	25	25		
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	17	17	17	17	17	17	17	0	0	0	0	17	17	17	17	17	17	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	52	30	32	31	30	43	49	42	58			
TMGR	HY02	62	83	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	33	33	32	33	33	33	33	33	33	33	33		
TMGR	HY03	84	84	83	32	32	32	32	30	31	30	31	30	32	32	29	31	32	28	32	31	30	32	32	31	28	32	32	32	32	32	32	32	32	32	32	32	32	32	32	29	0	0	0	0	0	0	0	0	0		
TMGR	HY04	33	32	31	33	-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	51	29	41	41	39	42	42	42	56				
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	-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	-1				
UPIA	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
Total Hydro		650	624	613	455	460	333	255	254	196	193	196	194	214	202	192	196	241	328	396	390	415	400	536	577	513	461	354	363	397	496	510	506	527	542	466	308	248	247	297	821	858	763	849	802	822	830	739	729	729	729	
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		
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	7	18	21	22	18	25	26	25	22	25	17	14	9	18	6	8	6	5	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	13	16	23	17	15	16	13	20	29	27	24	30	26	26	20	12	12	9	8	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	12	17	20	24	26	21	15	16	30	27	30	31	19	5	3	2	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	2	5	8	7	7	8	18	9	22	25	29	40	37	35	17	27	21	10	4	2	1	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	2	5	10	15	21	25	29	31	37	10	42	36	24	6	9	26	30	11	10	8	4	2	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	1	4	8	11	14	18	20	23	25	27	16	16	28	25	12	3	8	10	12	7	5	4	1	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	1	4	9	16	21	26	32	25	9	12	2	7	22	11	13	27	27	21	10	3	2	1	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	1	5	10	21	22	26	30	35	16	30	40	16	43	38	13	26	27	7	7	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	2	13	5	16	25	27	30	26	30	30	24	30	19	17	19	20	13	9	6	4	2	1	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	2	6	13	15	23	30	34	32	36	30	50	19	26	34	25	19	19	14	12	1	0	2	1	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	0	0	0		
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	9	11	11	11	27	15	20	23	25	28	29	17	34	19	7	12	9	14	7	5	3	1	0	0	0	0	0	0	0	0	0	0	0	
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	11	15	17</																														

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																								
System Total		14578	14269	13935	13628	13363	13094	12871	12712	12479	12328	12209	12121	12125	12097	11927	11847	12117	12730	13159	13473	13620	13764	13914	14080	14048	13931	13905	14107	14216	14483	14521	14546	14521	14480	14297	13969	13665	13535	13805	14649	14847	14822	14796	14714	14672	14685	14493	14351
SRev ST-Coal		264	395	578	666	609	639	732	723	715	739	772	809	814	819	812	815	816	784	707	637	629	622	629	617	661	641	642	528	485	369	368	361	388	371	370	366	375	376	366	351	338	345	389	379	376	374	375	494
SRev CCGT-Gas		172	220	203	178	157	168	176	203	186	227	198	210	259	252	423	429	305	282	196	199	216	178	153	159	202	250	176	155	169	150	192	174	154	160	183	345	528	677	447	150	187	162	155	192	145	140	143	138
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		
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		
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		
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		
Syncon		738	738	587	738	825	926	926	926	1027	1027	1027	1027	1027	1027	1027	1027	1027	926	839	926	775	926	825	825	825	825	825	825	825	825	825	825	825	825	825	926	1027	1027	876	464	277	277	277	277	277	277	464	
Hydro		457	233	395	315	223	249	199	200	156	159	156	158	138	150	160	156	112	201	234	239	365	229	194	153	217	269	201	192	158	164	270	274	253	238	314	221	180	181	282	245	546	555	469	515	445	437	488	312
S.Reserve Total		1631	1586	1763	1897	1814	1982	2033	2052	2084	2152	2153	2204	2238	2248	2422	2427	2260	2193	2062	2001	1985	1955	1801	1754	1905	1985	1844	1700	1637	1508	1655	1634	1620	1594	1692	1858	2110	2261	1971	1210	1348	1339	1290	1363	1243	1228	1283	1408