

Daily System Generation Summary on Wednesday

Wednesday, March 10, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,151 MW
Distillate	0 MW
Total TNB	2,151 MW
Total IPP	16,698 MW
Total Co-Gen	0 MW
Total System	22,046 MW

Generation Mix

Type	MWh	Percentage
Hydro	13,834	3.64 %
Gas	42,533	11.19 %
Total TNB	56,367	14.82 %
ST-Coal	237,923	62.58 %
LSS	3,745	0.98 %
Gas	82,779	21.77 %
Total IPP	324,447	85.33 %
Co-Gen	291	0.08 %
Total Co-Gen	291	0.08 %
Total Generation	381,105	100.23 %
PLTG	167	0.04 %
HVDC	722	0.19 %
Interconnection	889	0.23 %
Net Energy	380,216	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	18,906 MW
TNB Generation	3,508 MW
IPP Generation	14,431 MW
Spinning Reserve	954 MW
Maximum Demand	17,905 MW
Net Energy	380,216 MWH
Load Factor	88.48 %

Fuel Cost

Total Cost:	47,508,130.62 RM
Cost per Unit	12.46 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	353
Hydro	355
Syncon	540
Thermal	187
Total	1,435

Time Weather Temperature

Afternoon	Hot	36
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	58
TJGS	159

Total TNB 217

CBPS	54
NPRI	141
PGLA	104
PLPS	52
YPKA	50

Total IPP 402

Total Gas 619

Total Gas Required 619

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	15847	15149	14462	14049	13552	13315	13453	13509	13683	15308	16133	16671	16605	16375	17226	17785	17876	17495	16419	16059	17450	17490	17055	16748

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, April 6, 2021 11:42:37 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	691	692	693	693	692	694	693	601	600	551	552	550	551	551	551	549	551	698	694	688	695	678	693	691	694	603	548	695	693	692	692	693	692	693	692	693	602	602	693	694	693	692	692	692	692	693			
JMAH	U002	697	693	695	695	696	696	696	603	603	556	554	554	555	556	555	552	554	698	699	696	681	694	694	697	697	605	551	697	689	692	696	697	698	694	695	690	693	605	605	696	696	696	696	698	695	693	697		
JMHE	U001	978	981	983	977	976	900	902	900	847	847	850	850	849	847	845	846	850	849	969	982	981	976	980	978	976	974	980	981	978	978	983	976	981	980	975	979	981	981	981	983	980	982	978	980	976	979	978	982	
JMHE	U002	980	981	983	980	978	901	901	900	846	846	850	850	850	848	848	849	850	986	982	980	978	980	979	977	976	976	980	978	975	978	978	978	979	981	978	977	980	982	980	982	977	977	974	981	979	985			
JMJG	U001	672	667	668	665	665	671	668	667	666	645	586	596	604	671	622	671	669	671	663	666	678	671	664	676	674	672	673	674	672	669	666	674	594	596	590	585	585	587	601	674	672	673	671	670	678	671	671	670	
JMJG	U002	669	670	675	674	674	679	674	673	674	648	596	599	604	663	671	672	672	678	671	675	674	680	669	674	675	675	671	671	670	674	676	598	601	586	588	589	591	587	648	672	677	678	677	676	675	677	680		
JMJG	U003	677	667	668	670	668	605	667	672	671	636	605	601	593	632	665	668	669	670	667	672	668	667	670	671	668	667	667	669	667	668	668	673	593	598	598	593	596	590	599	599	676	663	663	669	672	667	673	668	
JMJG	U004	976	973	974	973	974	935	903	854	855	857	854	857	854	855	855	855	913	973	974	975	974	972	973	976	973	975	977	980	978	978	977	976	978	977	979	978	976	977	977	977	977	977	977	977	977	979			
JMJG	U005	799	799	804	799	803	800	799	801	799	801	804	800	801	803	798	804	807	801	801	801	800	803	803	801	800	798	801	798	804	798	801	801	801	797	800	804	801	799	801	801	804	800	801	801	798	803	801	799	801
PKLG	U003	280	278	280	281	279	247	206	153	157	154	155	154	155	156	155	155	212	271	272	273	276	208	206	206	206	206	204	240	271	272	275	277	278	280	804	801	799	279	278	280	278	279	280	278	279	280	281		
PKLG	U004	277	275	277	279	280	256	225	159	151	157	154	154	156	153	152	155	152	229	259	277	278	198	206	203	203	203	204	248	277	284	281	283	281	279	279	278	284	281	281	278	275	280	280	276	279	284	283	280	
PKLG	U006	448	445	450	452	451	446	449	445	449	449	448	449	450	449	448	449	446	449	448	446	449	450	446	448	450	449	446	446	444	449	449	452	450	449	445	449	445	449	445	449	445	445	446	446	448	445	446	449	
TBIN	U001	688	687	687	691	689	690	688	689	689	689	690	689	691	691	688	686	689	692	692	690	689	691	690	693	689	691	690	689	689	687	692	689	687	689	691	689	689	688	687	689	687	689	687	689	689	689	692		
TBIN	U002	693	694	690	687	692	692	692	690	687	693	691	691	690	691	689	690	690	690	694	689	690	695	693	692	693	692	692	691	691	692	694	691	693	692	693	687	692	694	687	685	667	676	691	691	696	694	691	694	
TBIN	U003	690	685	685	690	692	691	689	691	688	690	692	690	690	691	688	687	693	689	693	689	691	691	690	690	690	690	689	689	689	695	689	689	692	691	689	691	691	692	689	693	690	693	692	688	688	690	692	690	
Total ST-Coal		10215	10187	10212	10206	10209	9903	9852	9498	9382	9219	9083	9084	9093	9258	9277	9287	9301	9788	10188	10196	10206	10048	10066	10065	10064	9877	9773	10149	10186	10209	10213	10227	9991	9999	9968	9958	9972	9799	9804	10125	10193	10202	10211	110200	10223	10224	10220	10241	
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		
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	354	363	352	369	352	360	349	363	350	361	355	356	362	363	361	343	300	346	358	360	343	360	354	363	349	363	361	356	357	355	362	365	365	365	355	355	360	358	362	360	361	360	363	360	354	360	357	348	
EMPP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	217	646	728	732	717	731	741	744	743	744	744	742	745	744	741	739	743	753	752	736	756	754	755	755	758	760	759	763	762			
GLGR	GT01	107	108	107	108	107	107	108	107	108	109	108	109	108	108	107	107	108	108	108	108	110	108	108	106	107	107	107	106	108	107	107	108	108	107	107	107	108	107	109	108	107	107	106	107	107	106	106		
GLGR	GT02	107	107	108	107	108	108	108	108	108	108	108	108	108	107	108	107	106	105	104	104	104	104	104	104	104	103	102	102	103	104	103	104	103	104	105	106	106	106	107	107	107	107	107	107	107				
GLGR	ST1C	97	97	97	97	96	96	96	96	96	96	96	96	96	96	95	96	95	96	96	96	96	96	97	97	97	96	96	96	96	96	97	97	96	96	97	97	97	97	97	97	97	97	97	97	97	97			
NPRI	BLK1	505	515	515	515	500	515	515	515	515	515	515	514	515	515	516	447	505	505	505	506	505	505	505	505	505	505	505	505	493	505	505	505	505	504	507	496	493	503	505	505	502	506	504	505	503	494	504	495	491
NPRI	BLK2	410	421	405	418	407	419	406	421	404	415	412	410	419	421	410	388	416	403	415	421	397	418	412	416	404	415	419	416	415	400	401	398	401	400	400	400	398	400	399	401	401	400	399	400	400	398	400	400	
PCGP	PGRG	590	605	581	614	586	602	581	603	583	597	593	590	600	602	589	561	596	579	595	601	570	599	589	597	582	597	602	587	587	595	603	601	612	606	591	586	601	601	602	600	602	601	602	602	586	600	591	584	
PGLA	GT11	213	188	183	190	184	169	163	169	164	166	164	165	169	169	165	167	166	162	166	169	159	167	165	215	174	166	168	211	212	213	217	216	219	218	214	211	168	168	169	218	217	218	216	212	215	214	176		
PGLA	GT12	217	192	186	192	186	172	168	173	166	170	169	169	172	172	168	161	171	164	169	171	163	171	168	219	178	170	171	215	218	219	222	220	219	217	215	172	172	212	221	221	219	219	219	216	220	216	181		
PGLA	ST10	238	216	215	221	217	205	204	205	204	204	202	205	207	203	199	204	201	201	205	202	207	230	225	206	204	240	239	241	242	242	243	243	241	241	206	206	206	238	241	241	242	241	238	239	237	215			
PLPS	GT11	130	128	141	145	142	128	128	129	129	128	129	129	129	128	129	128	129	129	129	129	129	129	129	129	129	128	129	127	127	126	127	127	124	124	112	112	112	131	133	131	131	132	127	131	127	126			
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	60	138	139	141	141	136	137	120	119	119	139	140	139	140	138	135	139	135	134	
PLPS	GT13	124	0	0	0	0	0	0	0	0	0	0	0	0																																				

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	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10	10
CEND	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
CEND	HY03	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
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	8	
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	63	-1	-1	125	124	64	62	63	62	
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	63	124	64	-1	-1	-1	-1	
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	24	25	25	25	36	36	36	22	22	
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	24	25	25	25	37	37	37	23	23	
KNRG	HY03	23	24	23	24	23	24	23	24	23	23	23	23	23	23	23	22	23	23	23	36	36	36	23	23	23	
KNYR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	99	93	94	98	92	101	99	101	97	98	98	99	98	99	
KNYR	HY03	58	-1	-1	-1	-1	-1	-1	-1	-1	-1	57	93	93	98	92	101	99	100	97	98	97	99	98	99	55	
KNYR	HY04	59	93	56	104	58	60	57	80	57	60	57	57	82	91	57	51	59	94	95	99	93	102	100	101	98	
LPIA	HY01	13	13	13	13	13	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
LPIA	HY02	13	13	13	13	13	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
MNOR	HY01	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3	1	1	
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY02	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	21	21	21	-1	-1	
PGAU	HY03	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	0	20	
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	0	0	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	51	51	50	50	51	0	0	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	0	0	0	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	0	0	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	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	
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	87	86	33	85	85	86	86	-1	
TMGR	HY02	33	85	42	89	45	45	42	70	42	45	44	44	66	79	44	36	44	42	46	50	39	72	43	45	42	
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	32	85	85	85	84	31	33	
TMGR	HY04	40	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	31	33	86	87	86	87	85	32	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	90	95	88	93	95	89	90	93	98	97	101	
UPIA	HY01	6	6	6	6	6	6	6	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
UPIA	HY02	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	
Total Hydro		338	302	222	319	227	213	206	258	205	212	208	230	256	277	207	192	369	428	454	452	423	485	541	540	519	
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	
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	
BKLS	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	
BSLS	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	
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	
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	
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	
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	
JLSL	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	
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	
KRLS	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	
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	
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	
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	
STLS	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	

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																								
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	105	190	274	356	388	478	450	453	478	534	499	498	479	475	384	385	350	260	201	135	66	19	1	0	0	0	0	0	0	0			
PCUF	CUFG	8	7	6	8	8	8	7	8	7	7	9	7	6	7	8	7	9	9	11	10	9	10	9	9	9	10	10	9	10	10	10	11	10	10	11	10	10	10	10	10	9	9	10	10	10	10	10	
PCUF	CUFK	3	3	4	3	3	5	3	2	2	4	3	2	2	2	2	2	5	4	4	3	3	3	3	4	3	4	3	4	4	3	4	3	2	3	4	4	4	4	5	4	4	3	2	2	4	4	4	4
Total Co-Gen		11	10	10	11	11	13	11	9	10	11	10	11	9	8	9	10	9	11	14	15	14	12	13	12	12	13	14	13	13	14	13	14	13	13	13	14	15	14	15	14	13	12	12	12	14	14	14	
Total Gen		15918	15400	15248	14730	14533	14227	14093	13873	13618	13525	13366	13388	13458	13647	13558	13405	13682	14723	15312	15808	16179	16507	16688	16795	16621	16432	16388	16895	17288	17668	17791	17857	17871	17952	17599	17063	16498	16048	16094	16992	17488	17498	17508	17378	17118	17004	16785	16433
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			
TIE-HVDC		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	30	30	30	30	30	29	29	30	30	30	30	30	30	30	30	30	30	30	31	31	30	30	31	31	30		
TIE-PLTG		44	-9	72	-27	44	-12	17	-12	39	24	24	9	-22	8	21	29	-28	-13	-22	-40	20	23	-9	-44	-10	-4	-14	-8	35	-5	-21	-37	-30	20	76	57	52	17	9	16	11	-31	-10	30	36	-9	9	8
Interconnection		74	21	102	3	74	19	47	18	69	54	54	39	8	38	52	58	2	17	8	-9	50	53	21	-14	20	26	16	22	65	25	9	-9	-2	50	107	87	82	46	38	46	41	0	21	61	66	22	40	39
System Total		15847	15382	15149	14730	14462	14211	14049	13858	13552	13474	13315	13352	13453	13612	13509	13350	13683	14710	15308	15821	16133	16458	16671	16813	16605	16409	16375	16876	17226	17646	17785	17869	17876	17905	17495	16979	16419	16005	16059	16949	17450	17501	17490	17320	17055	16985	16748	16397
SRev ST-Coal		176	204	179	185	182	466	455	586	590	658	724	730	728	622	593	586	580	439	203	195	185	240	227	227	362	356	221	205	182	178	164	130	122	153	163	149	269	264	266	198	189	180	191	168	167	171	150	
SRev CCGT-Gas		223	465	562	452	560	548	622	538	625	563	581	583	546	542	581	775	882	975	900	712	832	520	508	355	525	574	571	402	364	307	176	197	158	168	201	215	580	670	588	160	140	146	141	155	210	159	193	408
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	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
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
Syncon		929	966	1117	1117	1117	1117	1117	1117	1117	1117	1117	966	1117	1117	1117	915	915	764	915	915	915	728	728	728	728	728	728	554	428	403	403	151	151	151	515	702	789	789	602	428	428	428	428	615	828	915	1117	
Hydro		372	221	150	53	145	135	142	90	143	136	140	269	92	71	141	156	181	121	246	97	126	64	195	196	217	206	207	212	314	404	435	447	639	518	699	644	461	345	321	362	425	417	421	480	421	387	485	275
S.Reserve Total		1700	1856	2008	1807	2004	2266	2336	2331	2475	2474	2562	2548	2483	2352	2432	2634	2558	2450	2113	1919	2058	1739	1658	1506	1697	1870	1862	1563	1437	1321	1192	1211	1078	959	1204	1537	1892	2073	1962	1390	1191	1180	1170	1254	1414	1541	1764	1950