

Daily System Generation Summary on Wednesday

Wednesday, May 5, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,372 MW
Distillate	0 MW
Total TNB	2,372 MW
Total IPP	16,299 MW
Total Co-Gen	0 MW
Total System	22,650 MW

Generation Mix

Type	MWh	Percentage
Hydro	18,227	4.89 %
Gas	65,485	17.55 %
Total TNB	83,712	22.44 %
ST-Coal	215,183	57.68 %
LSS	2,694	0.72 %
Gas	71,228	19.09 %
Total IPP	289,105	77.49 %
Co-Gen	158	0.04 %
Total Co-Gen	158	0.04 %
Total Generation	372,975	99.97 %
PLTG	-828	-0.22 %
HVDC	720	0.19 %
Interconnection	-108	-0.03 %
Net Energy	373,083	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:	15:30:00 Hour
Total Set On Bus	18,833 MW
TNB Generation	4,330 MW
IPP Generation	13,337 MW
Spinning Reserve	1,159 MW
Maximum Demand	17,671 MW
Net Energy	373,083 MWH
Load Factor	87.97 %

Fuel Cost

Total Cost:	59,497,192.82 RM
Cost per Unit	15.95 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	547
Hydro	446
Syncon	379
Thermal	152
Total	1,524

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmcsfd)
GLGR	50
TJGS	191
Total TNB	242
CBPS	50
NPRI	150
PLPS	45
SKSP	50
YPKA	56
Total IPP	350
Total Gas	592
Total Gas Required	592

Alternate Fuel Usage

Station	(mmcsfd)
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	15221	14548	14128	13704	13397	13470	13538	13331	13926	15593	16359	16843	16856	16754	17420	17658	17582	16907	16114	15989	16245	16347	15904	15560

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 4, 2021 9:44:50 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	690	693	692	693	692	692	693	692	693	692	693	689	693	692	692	693	692	693	691	692	692	688	693	694	693	691																						
JMAH	U002	694	692	694	696	691	693	697	696	695	694	696	695	700	696	696	694	694	695	696	695	698	696	694	689	696	694	695	696	691	694																			
JMHE	U002	978	852	843	849	850	851	851	849	848	851	847	845	849	852	851	853	851	918	981	983	981	972	983	979	980	980	983	975	982	976	977	977	977	976	980	975	979	982	978	979	982	975	979	979	979	979			
JMJG	U001	670	677	670	671	673	670	666	672	671	671	669	667	672	673	673	673	671	677	664	666	673	667	672	671	670	672	668	674	671	673	673	668	668	671	667	671	673	666	677	668	673	668	671	663	671	662	671	672	
JMJG	U002	676	679	683	680	682	678	684	682	682	680	679	683	665	666	677	678	675	687	687	679	679	681	678	679	677	680	684	674	682	677	686	684	681	678	683	682	685	683	682	602	601	684	675	683	687	693	689		
JMJG	U003	677	674	674	677	674	677	672	679	677	673	677	675	677	673	673	674	677	676	674	677	676	675	672	677	678	677	675	678	674	673	676	673	674	677	672	679	673	678	677	678	674	678	675	677	673	673	530	476	
JMJG	U005	332	333	337	347	338	334	336	336	334	356	402	420	419	467	507	521	510	513	547	632	758	752	751	783	880	892	892	891	891	891	894	891	890	890	890	890	892	889	890	889	895	890	896	869	541	324	333	333	333
PKLG	U003	274	275	276	275	276	275	274	273	275	274	274	276	276	276	277	278	277	275	278	275	275	275	275	269	273	272	271	268	266	265	270	267	271	270	270	272	269	270	271	274	271	269	274	274	272	275			
PKLG	U004	278	277	268	277	277	279	277	278	276	277	273	272	275	276	276	276	278	276	275	283	279	275	276	271	278	277	268	274	274	275	276	273	273	271	280	278	274	273	280	279	276	274	280	273	274	276	273	276	
PKLG	U006	444	445	446	449	450	447	450	446	449	449	449	449	450	450	447	449	447	445	449	449	449	447	449	447	449	448	448	446	447	446	449	450	450	450	446	448	447	449	450	449	449	446	450	446	445	449	450	447	
TBIN	U001	687	687	686	685	690	690	690	689	689	691	688	690	690	690	691	690	691	688	689	689	690	690	689	689	689	689	689	689	689	690	689	689	690	689	689	690	689	686	687	690	690	691	691	688	686	689	690	690	688
TBIN	U002	620	603	674	691	690	691	691	692	687	692	693	692	694	693	691	692	691	690	691	692	691	689	690	691	692	691	693	691	691	691	692	690	691	694	692	691	691	691	691	692	690	692	691	692	692	692	691	691	
TBIN	U003	692	688	687	689	686	686	688	688	691	690	689	690	690	690	691	693	689	687	688	690	685	691	689	693	686	693	690	690	689	690	681	689	690	687	691	687	691	687	690	689	691	688	691	693	686	689	689	692	
TBIN	U004	983	934	850	853	852	851	853	851	854	854	856	854	854	853	852	853	875	965	982	982	979	983	983	981	983	974	977	976	983	982	984	982	983	983	983	984	983	983	982	984	982	983	984	981	983	982	984		
Total ST-Coal		8697	8506	8481	8531	8522	8514	8521	8527	8518	8546	8586	8594	8618	8649	8685	8712	8700	8785	8974	9097	9206	9181	9192	9228	9326	9339	9320	9330	9315	9326	9320	9329	9328	9325	9323	9335	9325	9328	9344	9342	9261	9249	9320	8963	8755	8777	8637	8587	
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	0
CBPS	BLK2	357	362	355	223	219	221	222	221	223	226	221	221	228	221	213	218	232	360	364	361	362	349	362	362	360	362	363	365	352	357	360	359	357	361	352	360	359	356	364	351	366	359	359	370	359	363	363	357	
EMPP	BLK1	267	578	603	611	619	619	620	618	620	621	622	622	621	623	623	627	478	401	399	119	186	656	745	744	344	376	736	418	564	360	739	745	744	740	749	752	753	754	756	756	755	756	757	758	375	0	0	0	
EMPP	BLK3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	95	96	96	96	96	96	96	96	96	96	96	61
GLGR	GT01	79	68	68	67	68	69	69	67	67	68	67	66	69	69	67	68	69	67	69	97	104	103	85	85	85	85	104	103	103	104	103	104	103	104	96	69	67	68	67	68	69	67	67	70	105	104	104	104	
GLGR	GT02	77	68	68	67	67	68	68	67	68	68	67	67	68	68	68	68	68	98	104	103	84	85	84	84	84	103	104	103	104	104	104	104	96	67	68	68	68	68	68	67	70	105	104	104	104	104			
GLGR	ST1C	83	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	86	94	94	83	83	83	83	83	83	83	94	94	94	94	94	94	89	77	72	72	72	72	72	71	72	72	92	93	93	93			
NPRI	BLK1	509	515	502	516	515	516	406	321	319	320	319	314	323	320	316	320	349	515	518	517	516	503	520	517	515	514	515	518	509	506	515	512	514	506	507	514	511	505	510	502	515	514	508	524	506	515	515	515	
NPRI	BLK2	512	518	505	517	505	344	395	527	438	445	330	460	529	403	328	332	531	518	520	519	519	506	515	519	518	517	518	523	511	511	518	517	518	509	509	519	514	509	512	506	518	518	511	527	511	518	517	518	
PCGP	PGRG	302	300	301	300	261	260	259	261	262	260	260	260	267	261	259	181	190	182	264	263	331	330	337	332	332	300	302	304	351	401	403	412	400	396	353	304	302	260	261	261	260	259	261	273	260	263	260	261	
PLPS	GT11	134	129	129	128	128	128	129	129	130	129	127	128	128	128	128	128	128	144	143	143	129	128	128	128	125	126	127	126	130	130	130	128	128	128	116	127	129	129	129	129	129	129	143	144	143	144			
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	142	144	143	144	143	141	141	141	111	0	0	0	0	0	0	0	0	0	0	0	0	
PLPS	ST18	60	56	58	57	58	57	57	58	58	58	58	58	58	59	58	58	57	58	57	61	59	59	57	57	58	57	57	56	142	143	144	143	143	142	142	142	133	85	59	58	58	58	58	60	58	59	59		
SKSP	BLK1	326	219	303	282	237	223	221	222	228	218	220	225	243	219	219	221	251	240	244	326	329	326	239	291	332	331	270	335	329	329	331	331	329	301	291	236	231	220	217	219	229	261	217	268	322	312	326	269	
SPGP	BLK1	718	720	719	719	717	718	507	361	362	360	360	359	362	361	358	362	651	720	717	717	717	717	718	717	719	718	720	716	714	716	717	718	717	717	718	717	721	717	719	718	718	717	716	718	720	719	719	718	
SPGP	BLK2	718	719	717	717	718	717	719	719	718	719	359	361	360	359	359	450	714	717	718	719	718	719	716	719	718																								

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
BSIA	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
CEND	HY01	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY02	9	9	9	9	10	10	10	10	10	9	10	10	9	10	9	10	10	10	10	9	9	9	10	10
CEND	HY03	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	9	9	10	10	9	9	10	9	9
CEND	HY04	7	8	8	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
HTRG	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
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	69	123
KNRG	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
KNRG	HY02	24	25	24	25	38	38	38	38	38	25	25	24	25	25	25	25	24	20	0	0	0	0	0	0
KNRG	HY03	24	25	24	25	37	37	37	37	37	25	24	24	25	25	25	25	24	22	23	23	23	24	23	38
KNYR	HY01	97	55	56	57	58	0	0	0	0	0	0	0	0	0	0	100	100	99	98	99	58	-1	-1	100
KNYR	HY02	58	87	83	97	80	86	93	100	78	61	70	101	100	100	98	98	57	101	98	58	58	56	59	101
KNYR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	98	100	100	101	97	95	101	100	99	98	98	-1	-1	-1	55	99
KNYR	HY04	98	56	58	-1	-1	-1	-1	-1	99	101	101	101	98	96	102	101	100	100	88	60	99	101	69	100
LPIA	HY01	15	15	12	12	12	12	12	12	12	12	12	12	14	17	17	18	18	18	18	18	17	17	17	17
LPIA	HY02	15	15	12	12	12	12	12	12	12	12	12	12	14	17	17	18	18	18	18	18	17	17	17	17
MNOR	HY01	3	3	3	3	3	1	1	1	1	1	1	1	2	2	2	2	2	3	3	5	7	7	7	7
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-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
SIHY	HY01	31	31	31	31	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	31	31	31
SIHY	HY02	30	30	31	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	30	50	50	50	50
SIHY	HY03	30	30	31	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	50	50
SYPS	HY01	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	17	17
SYPS	HY02	25	25	25	25	19	17	17	17	0	0	0	0	0	0	0	0	0	0	0	17	25	25	17	17
SYPS	HY03	25	25	25	25	23	17	17	17	0	0	0	0	0	0	0	0	0	0	0	17	25	25	17	17
SYPS	HY04	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	17	17	
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	85	31	33	33	84	41	34	83	33
TMGR	HY02	44	44	41	43	44	43	44	44	47	44	43	51	62	43	43	44	86	59	88	88	54	42	85	83
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	33	33	33	33
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	34	-1	5	84	84	33	33	33
UJLI	HY01	90	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	89	94	93	93	83	93	92	89	90	94	86	140
UJLI	HY02	92	98	88	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	95	86	94	95	95	92	92	95	87	144	149
UPIA	HY01	6	6	5	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		802	667	646	517	377	316	324	330	277	252	438	480	492	573	518	477	520	585	652	748	920	815	897	898
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
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
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
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
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
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
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
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
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
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
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
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

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			
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	10	18	23	19	24	36	43	37	21	15	43	43	42	11	19	32	28	5	2	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	3	7	11	19	9	24	26	25	18	28	26	11	29	11	9	7	2	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	7	12	16	21	14	12	11	25	15	30	29	20	17	17	21	11	11	12	11	10	5	2	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	20	69	118	188	261	259	344	441	460	450	425	398	364	464	307	220	165	144	134	79	42	25	16	3	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	4	3	2	2	5	4	5	3	2	4	2	3	4	5	3	4	3	4	3	4	2	4	3	4	4	4	4	4	4	3	4	4	3	4	3	2	2	2	3	5	4	3	2	3	4	4	4			
PCUF	CUFK	2	3	1	2	5	4	5	2	2	3	3	2	3	5	3	4	3	3	4	4	6	3	4	4	3	4	3	2	4	3	2	3	4	4	3	4	3	3	3	3	4	3	2	2	3	3	4	4		
Total Co-Gen		6	6	3	4	10	8	10	5	4	7	5	5	7	10	6	8	6	6	8	7	10	5	8	7	7	8	7	6	7	6	6	7	7	7	8	6	6	5	5	6	8	8	6	5	4	6	7	8		
Total Gen		15222	14904	14565	14377	14131	13883	13644	13538	13402	13405	13513	13329	13482	13433	13305	13269	13863	14916	15534	15859	16302	16663	16855	16948	16867	16697	16652	16968	17420	17721	17667	17674	17575	17259	16875	16365	16078	15977	16065	16055	16166	16375	16356	16266	15922	15693	15558	15187		
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	0	0	
TIE-HVDC		31	29	29	30	30	29	29	30	29	30	30	29	31	31	30	30	30	30	30	30	30	30	30	29	29	31	31	30	30	30	30	31	31	31	31	30	30	31	31	30	30	30	30	30	30	30	30	30	30	
TIE-PLTG		-20	-48	-2	-11	-18	-42	-79	-14	-14	-23	24	18	-76	-40	-46	-53	-83	-21	-78	-88	-76	27	-7	10	-7	-55	-123	-87	-20	61	-11	-18	-28	-53	-52	-51	-56	-27	55	-21	-99	-54	-11	-80	-3	-63	-22	-71		
Interconnection		11	-19	27	19	13	-13	-50	16	15	7	54	47	-45	-9	-16	-23	-53	9	-48	-58	-46	57	23	39	22	-24	-92	-57	10	91	19	13	3	-23	-22	-21	-26	3	86	9	-69	-24	19	-50	28	-34	8	-41		
System Total		15221	14933	14548	14368	14128	13906	13704	13532	13397	13409	13470	13293	13538	13452	13331	13302	13926	14918	15593	15928	16359	16617	16843	16920	16856	16731	16754	17035	17420	17640	17658	17671	17582	17292	16907	16396	16114	15984	15989	16056	16245	16409	16347	16326	15904	15737	15560	15238		
SRev ST-Coal		256	301	369	340	338	343	340	331	337	336	348	385	364	336	310	324	335	323	157	134	150	175	159	148	150	137	156	146	161	150	156	147	148	151	153	141	146	143	127	129	191	122	51	168	226	134	174	134		
SRev CCGT-Gas		711	1015	1328	1446	1558	1735	1991	2103	2178	2182	2299	2533	2418	2583	2689	2736	2072	1140	848	534	440	497	589	550	500	536	697	500	490	406	376	375	390	448	520	1027	1278	1362	1282	1131	865	690	747	612	522	513	510	565		
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	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	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	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	0	
Syncon		552	739	739	1027	1027	1027	1027	876	825	825	825	638	638	674	825	638	638	451	277	277	364	364	277	126	465	277	277	151	277	277	277	314	653	653	653	552	451	451	552	401	401	462	512	425	425	425				
Hydro		415	363	384	225	165	126	118	112	115	290	155	113	101	208	263	268	74	195	178	269	371	610	441	440	374	676	551	392	571	516	486	362	423	627	505	484	494	558	577	609	513	619	651	371	163	138	137	170		
S.Reserve Total		1934	2418	2820	3038	3088	3231	3476	3573	3657	3684	3627	3856	3708	3765	3900	4002	3306	2296	1821	1388	1238	1559	1553	1502	1301	1475	1869	1315	1499	1223	1295	1161	1238	1540	1831	2305	2571	2615	2437	2320	2121	1832	1850	1613	1423	1210	1246	1294		