

Daily System Generation Summary on Wednesday

Wednesday, April 14, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,211 MW
Distillate	0 MW
Total TNB	2,211 MW
Total IPP	16,564 MW
Total Co-Gen	0 MW
Total System	22,754 MW

Generation Mix

Type	MWh	Percentage
Hydro	16,951	4.51 %
Gas	66,580	17.71 %
Total TNB	83,531	22.22 %
ST-Coal	226,440	60.24 %
LSS	3,199	0.85 %
Gas	61,551	16.37 %
Total IPP	291,190	77.47 %
Co-Gen	164	0.04 %
Total Co-Gen	164	0.04 %
Total Generation	374,885	99.73 %
PLTG	-302	-0.08 %
HVDC	-700	-0.19 %
Interconnection	-1,002	-0.27 %
Net Energy	375,887	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:	14:30:00 Hour
Total Set On Bus	19,044 MW
TNB Generation	4,267 MW
IPP Generation	13,554 MW
Spinning Reserve	1,217 MW
Maximum Demand	17,853 MW
Net Energy	375,887 MWH
Load Factor	87.73 %

Fuel Cost

Total Cost:	56,371,165.67 RM
Cost per Unit	15.03 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	339
Hydro	414
Syncon	429
Thermal	146
Total	1,328

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	26

Gas Usage

Station	(mmcsfd)
GLGR	50
TJGS	197
Total TNB	247
CBPS	49
KLPP	62
NPRI	142
PLPS	56
YPKA	36
Total IPP	346
Total Gas	593

Total Gas Required 593

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	15183	14400	13855	13539	13285	13436	13546	13306	13897	15552	16285	16788	16825	16680	17496	17847	17756	17018	16317	16276	16827	16913	16516	16115

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, May 7, 2021 1:49:33 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	693	694	691	692	695	691	690	692	692	691	697	691	693	692	692	691	690	684	694	691	692	692	692	691	689
JMAH	U002	696	693	697	695	694	699	696	695	692	692	693	696	696	688	696	695	697	698	692	695	696	693	695	692	694
JMHE	U001	980	983	907	901	856	853	851	851	850	851	848	853	851	971	979	978	976	982	983	980	977	976	981	980	981
JMHE	U002	980	981	904	900	854	856	848	848	849	846	850	853	851	848	855	853	850	849	983	978	979	978	980	979	978
JMJG	U001	674	672	679	672	673	671	674	672	672	669	673	671	669	671	672	675	672	672	668	677	666	675	673	672	668
JMJG	U003	671	672	668	671	672	673	671	671	667	671	666	673	668	671	672	668	677	667	669	669	668	670	664	670	668
JMJG	U004	892	892	891	892	884	854	857	853	855	854	853	854	855	856	854	853	883	895	895	895	895	896	895	896	896
JMJG	U005	890	892	889	892	864	855	850	853	851	851	847	851	854	852	851	855	852	891	890	892	887	891	890	887	
PKLG	U003	277	276	276	277	277	277	276	274	275	276	276	275	274	275	274	276	278	278	275	276	275	275	276	273	273
PKLG	U004	277	276	281	278	276	273	271	263	274	277	276	275	278	274	281	278	277	275	271	275	277	275	276	274	273
PKLG	U006	448	447	449	445	446	446	446	446	449	449	451	447	445	446	449	446	445	447	448	448	448	448	445	447	447
TBIN	U001	689	689	688	690	692	689	689	689	690	690	692	691	690	692	685	689	691	690	689	689	689	689	690	690	686
TBIN	U002	695	695	693	693	692	695	692	694	692	691	692	690	693	695	694	690	693	692	694	692	697	689	692	692	691
TBIN	U004	985	983	964	903	885	852	854	855	853	853	852	853	854	854	853	900	983	982	984	982	981	984	984	983	983
Total ST-Coal		9847	9845	9677	9601	9460	9384	9365	9356	9361	9362	9358	9381	9369	9372	9393	9372	9381	9476	9827	9836	9836	9832	9824	9842	9840
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	263	222	223	215	214	219	222	220	223	225	222	215	220	214	222	222	209	363	363	354	360	363	362	355	356
EMPP	BLK3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	16	16	16	16	16	16
GLGR	GT01	68	68	67	68	69	68	68	67	69	68	68	68	68	67	68	67	68	69	68	97	101	100	95	68	68
GLGR	GT02	68	68	68	68	68	68	68	67	68	67	68	68	68	68	67	68	68	67	98	100	100	94	67	67	90
GLGR	ST1C	72	71	72	72	72	71	72	72	72	72	72	72	72	72	72	72	87	91	91	90	73	82	91	91	92
KLPP	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	93	135	
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	146	152	130	130	127	
KLPP	GT15	0	0	0	0	0	0	0	0	43	43	42	42	42	46	54	69	85	164	161	164	161	164	164	133	
KLPP	ST17	0	0	0	0	0	0	0	0	0	0	0	0	14	14	21	29	37	70	66	66	68	45	134		
NPRI	BLK1	520	398	330	325	329	328	331	326	329	334	331	326	448	503	334	322	309	508	512	497	505	505	509	501	
NPRI	BLK2	517	334	353	329	334	331	338	333	336	361	335	329	340	324	334	433	418	465	513	484	508	508	511		
PCGP	PGRG	595	603	453	444	326	262	260	261	260	267	262	260	603	587	482	402	258	606	613	590	600	607	600		
PLPS	GT11	124	127	129	124	125	124	128	128	128	131	128	125	128	123	124	126	123	127	128	123	126	128	125	126	
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	140		
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	
PLPS	ST18	60	59	61	60	59	59	60	60	59	60	60	60	61	59	59	60	60	61	61	59	60	61	60	58	
SPGP	BLK1	718	717	718	718	719	719	720	720	720	718	719	358	361	361	361	711	718	718	719	717	719	720	719	718	719
SPGP	BLK2	719	720	720	720	719	550	548	360	361	450	360	359	360	360	361	720	719	718	719	717	719	718	718	718	718
TJGS	GT1A	126	135	135	131	140	136	132	134	140	135	131	137	136	131	141	142	129	140	140	221	223	223	229	221	
TJGS	GT1B	121	128	127	128	133	125	127	130	125	125	128	128	125	125	126	126	121	127	129	215	217	214	218	213	217
TJGS	ST1C	181	169	166	170	170	170	170	170	170	170	170	170	170	166	170	170	170	241	244	244	244	244	244	244	244
TJGS	GT2A	147	147	150	147	149	149	149	149	149	149	149	147	149	149	149	149	148	150	149	214	214	217	215	215	
TJGS	GT2B	146	146	146	146	146	146	146	146	146	146	144	145	145	146	144	144	147	212	212	213	213	213	213	213	
TJGS	ST2C	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	244	256	256	256	256	256	256	256	256
YPKA	GT11	65	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70	122	119	
YPKA	GT12	66	66	65	68	68	67	67	68	68	68	68	68	68	68	67	67	68	68	68	67	124	124	124	117	
YPKA	ST10	57	31	31	32	33	33	33	32	32	33	33	33	32	32	33	33	33	33	33	34	54	55	55	54	
Total CCGT-Gas		4842	4423	4223	4174	4083	4003	3850	3841	3662	3745	3790	3680	3801	3823	3578	3611	4136	4938	5114	5428	5498	5673	5741	5866	5818
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
BSIA	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	

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	HY02	12	12	12	12	12	12	12	12	12	12	24	24	24	24	24	24	23	23	23	23	23	23	23	23	23
BSIA	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	11	11	12	12	11	12	12
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	10	10	10	10
CEND	HY02	9	9	10	10	9	10	9	10	9	9	10	10	9	10	10	9	9	9	9	9	9	9	9	9	9
CEND	HY03	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9
CEND	HY04	7	8	7	7	8	8	7	7	7	8	8	7	8	7	8	7	7	7	7	7	7	7	7	7	7
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	125	63	124	125	125	63	63	63	63
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	0
KNRG	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
KNRG	HY03	24	25	25	24	25	25	25	24	25	24	24	24	24	25	25	24	25	25	37	37	36	24	25	25	25
KNYR	HY01	61	76	92	63	60	62	93	76	77	97	76	64	64	63	60	68	60	83	86	63	66	93	97	63	63
KNYR	HY02	57	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	59	60	61	58	58	59	59	99	99	95
KNYR	HY03	55	57	59	-1	-1	-1	-1	-1	-1	-1	58	58	-1	-1	-1	-1	53	53	99	53	54	54	102	102	99
KNYR	HY04	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101	100	100	59	59	102	102
LPIA	HY01	17	17	17	17	17	17	11	12	12	13	13	13	13	15	15	15	15	15	15	15	15	15	15	15	15
LPIA	HY02	17	17	17	17	17	17	10	10	12	12	12	12	12	15	15	15	15	15	15	15	15	16	16	16	17
MNOR	HY01	3	3	3	3	3	3	2	2	2	2	2	2	1	1	1	5	0	0	1	1	4	4	4	4	4
PGAU	HY01	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	22	-1	-1
PGAU	HY02	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	21	21	-1
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	21	21	21
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	148	21
SIHY	HY01	30	30	30	30	30	30	0	0	0	0	0	0	0	0	0	0	51	51	51	51	51	51	51	48	48
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50
SYPS	HY01	17	17	17	17	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	16	16	20
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	17	17	17	17	17
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	20	16	17	12
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	17	17	17	17	17
TMGR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	33	85	85
TMGR	HY02	45	69	87	44	45	45	90	58	74	90	67	45	45	44	45	55	63	44	46	73	76	46	45	91	91
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	32	82	81	32	82	82	82
TMGR	HY04	33	34	34	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	32	82	81	32	82	82	82
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	97	98	91	88	-1	-1	94	94
UPIA	HY01	5	5	5	5	5	5	5	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	5
Total Hydro		466	398	434	288	285	268	282	232	253	291	246	222	283	280	222	229	225	261	268	323	487	618	767	706	647
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
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	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

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	2	8	13	20	27	31	12	14	39	43	48	42	35	44	48	40	4	1	4	4	6	4	2	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	5	13	22	29	36	44	46	45	25	37	51	50	11	13	52	52	27	21	12	16	15	5	1	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	4	10	15	22	28	32	36	38	41	42	44	46	49	44	20	1	4	5	5	5	5	2	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	15	15	9	13	8	11	29	29	29	29	18	4	2	0	0	1	1	1	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	11	64	130	217	280	347	365	407	439	471	408	462	520	442	425	371	290	190	172	145	122	73	36	19	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	5	4	2	2	2	5	4	5	2	5	5	4	2	4	3	4	4	3	4	4	4	2	2	4	4	4	3	4	3	6	3	5	4	5	4	5	2	3	3	3	4	3	4	4	4	2	4	3	
PCUF	CUFK	4	3	3	4	3	4	3	4	3	3	3	2	2	4	3	4	4	3	4	4	3	2	3	4	3	3	2	5	3	5	4	4	3	4	4	3	2	2	4	3	3	3	4	5	3	2	3		
Total Co-Gen		9	7	5	6	5	9	7	8	5	8	7	6	6	7	7	8	8	6	7	8	7	4	5	8	7	7	7	5	9	6	11	7	9	7	9	5	5	5	5	7	7	6	7	7	8	9	5	6	6
Total Gen		15164	14673	14339	14069	13833	13664	13504	13437	13281	13406	13401	13289	13459	13482	13200	13231	13814	14811	15433	15875	16175	16492	16744	16861	16783	16536	16592	17114	17440	17827	17754	17811	17742	17611	17034	16556	16308	16159	16221	16390	16814	16917	16876	16817	16493	16426	16066	15666	
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	
TIE-HVDC		-28	-30	-30	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-30	-29	-28	-28	-29	-29	-28	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-30	-30	-30	-30	-30	-30	-30	-30	-30	-28		
TIE-PLTG		12	-12	-28	28	10	-12	-4	12	29	-10	-3	0	-54	24	-74	-14	-51	-32	-87	-38	-77	-56	-12	-46	-11	-96	-56	-25	-24	8	-59	-6	16	52	48	64	23	-19	-22	35	21	-41	-3	-30	10	32	-15	-12	
Interconnection		-16	-42	-58	-1	-19	-40	-32	-18	-1	-39	-32	-29	-84	-5	-103	-42	-80	-61	-116	-68	-107	-85	-41	-75	-39	-125	-85	-53	-52	-22	-89	-34	-11	24	19	35	-6	-49	-52	5	-9	-71	-33	-60	-20	1	-46	-41	
System Total		15183	14718	14400	14073	13855	13707	13539	13458	13285	13448	13436	13321	13546	13490	13306	13276	13897	14875	15552	15946	16285	16580	16788	16939	16825	16664	16680	17170	17496	17853	17847	17849	17756	17590	17018	16524	16317	16211	16276	16388	16827	16992	16913	16881	16516	16428	16115	15710	
SRev ST-Coal		109	111	279	380	416	458	469	479	472	469	473	459	466	461	450	468	456	405	154	145	145	149	157	139	141	162	144	143	145	146	135	143	148	148	145	150	160	149	135	139	153	158	149	148	134	162	154	161	
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 CCGT-Gas		974	1396	1463	1447	1538	1618	1770	1779	1958	2028	1983	2093	1262	1447	1692	1660	1700	922	757	443	373	215	300	246	294	401	419	460	427	348	266	243	252	325	438	572	613	704	660	559	346	221	267	337	361	383	607	761	
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 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 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		702	803	803	840	840	991	991	991	991	991	991	991	890	890	991	991	991	991	991	991	703	451	364	515	515	702	702	428	428	302	302	302	302	302	0	151	151	489	489	302	302	302	302	489	489	489	576		
Hydro		335	202	166	275	278	144	42	93	74	37	82	106	146	149	111	104	132	96	84	129	258	379	417	327	386	244	242	341	251	421	523	396	440	478	562	804	872	686	667	780	553	571	575	566	552	290	218	370	
S.Reserve Total		2120	2512	2711	2942	3072	3211	3272	3342	3495	3525	3529	3649	2764	2947	3244	3223	3279	2414	1986	1708	1479	1194	1238	1227	1336	1509	1507	1372	1251	1217	1226	1084	1142	1253	1145	1677	1796	2028	1951	1780	1354	1252	1293	1353	1536	1324	1468	1868	