

Daily System Generation Summary on Monday

Monday, May 31, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,347 MW
Distillate	0 MW
Total TNB	2,347 MW
Total IPP	15,914 MW
Total Co-Gen	0 MW
Total System	21,812 MW

Generation Mix

Type	MWh	Percentage
Hydro	16,650	4.52 %
Gas	53,904	14.64 %
Total TNB	70,554	19.16 %
ST-Coal	230,226	62.51 %
LSS	3,684	1.00 %
Gas	63,776	17.32 %
Total IPP	297,686	80.83 %
Co-Gen	155	0.04 %
Total Co-Gen	155	0.04 %
Total Generation	368,395	100.03 %
PLTG	-537	-0.15 %
HVDC	630	0.17 %
Interconnection	93	0.03 %
Net Energy	368,302	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	18,682 MW
TNB Generation	3,617 MW
IPP Generation	13,901 MW
Spinning Reserve	1,160 MW
Maximum Demand	17,480 MW
Net Energy	368,302 MWH
Load Factor	87.79 %

Fuel Cost

Total Cost:	56,481,412.21 RM
Cost per Unit	15.33 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	242
Hydro	469
Syncon	407
Thermal	256
Total	1,374

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	53
TJGS	207
Total TNB	260
CBPS	54
KLPP	46
NPRI	160
PLPS	85
Total IPP	345
Total Gas	605
Total Gas Required	605

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	15205	14554	13932	13512	13136	12935	12762	12638	13309	15123	16069	16512	16462	16463	17051	17370	17480	17090	16001	15646	16379	16338	16126	15863

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 4, 2021 10:07:46 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Monday

		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		600	517	503	501	502	500	502	500	502	503	504	500	504	501	501	500	501	601	604	601	600	652	692	693	692	696	691	691	693	693	693	692	692	691	693	691	598	602	602	694	694	601	600	601	599	601	602	603		
JMAH	U002		605	602	604	605	603	606	606	509	505	505	505	505	505	506	504	503	505	609	605	605	606	654	691	699	693	694	697	696	698	696	696	695	698	696	696	606	604	605	686	696	619	605	607	604	604	607	604			
JMHE	U001		982	982	984	978	897	810	798	800	800	797	804	799	799	799	800	800	801	904	980	981	976	980	980	980	980	980	980	981	974	980	980	982	977	982	977	978	978	981	988	980	981	979	981	976	975	978	978			
JMHE	U002		983	982	983	979	896	815	799	801	800	799	804	804	799	803	799	800	801	907	986	979	975	979	983	980	978	980	980	982	979	982	981	981	979	984	980	980	979	981	977	980	982	980	978	975	978	977	981			
JMJG	U001		668	673	669	675	671	672	677	668	671	675	672	670	623	598	597	620	677	672	673	678	668	677	676	673	674	671	682	672	670	672	671	673	672	667	666	677	669	665	666	670	670	656	592	596	603	612	668			
JMJG	U002		673	677	674	671	668	678	671	673	671	668	673	673	623	598	597	617	673	672	671	675	671	672	665	661	675	672	671	670	673	676	669	672	679	673	667	679	668	674	678	671	676	671	662	596	601	596	597	601		
JMJG	U003		662	668	663	668	666	663	667	661	662	663	667	664	635	614	551	592	639	670	672	662	653	683	669	664	662	666	662	666	665	666	664	674	662	661	666	667	668	662	667	667	666	666	667	664	657	668	662	666		
JMJG	U005		889	888	890	886	891	851	800	801	801	797	801	801	803	804	804	800	800	865	892	892	892	892	892	891	892	891	891	890	890	888	887	888	886	887	888	885	890	885	888	889	890	887	889	888	889	888	887	890		
PKLG	U003		149	149	150	150	151	150	150	150	149	150	151	151	150	150	150	150	152	191	271	276	278	279	278	280	279	279	281	278	279	282	277	280	279	280	280	280	224	205	254	277	278	275	279	279	279	259	173	154		
PKLG	U004		171	151	152	155	153	154	152	148	155	156	149	155	155	151	156	155	197	272	278	275	278	275	281	278	276	275	275	270	272	271	270	272	271	272	205	211	259	273	272	271	272	270	273	253	157	161				
PKLG	U006		310	269	269	267	272	268	265	269	267	270	269	271	269	267	272	269	270	339	396	447	451	444	447	448	448	450	449	448	448	447	446	447	449	447	446	447	446	448	449	451	448	449	450	459	449	449				
TBIN	U001		693	642	602	599	600	599	600	601	600	600	567	500	501	502	500	500	551	652	649	689	687	690	689	689	687	690	690	689	687	690	690	689	687	686	690	690	690	692	691	690	690	690	690	690	690	689	691	691	689	
TBIN	U002		689	692	691	691	690	691	692	602	602	603	572	502	502	501	505	502	536	661	654	691	690	690	691	692	690	690	695	691	691	690	689	689	692	689	686	691	690	692	691	692	690	693	689	692	690	692	690	689		
TBIN	U003		690	692	690	689	689	690	691	689	595	599	585	497	495	509	500	501	555	656	654	692	691	692	688	695	62	240	279	301	302	324	440	502	674	690	698	690	688	693	690	692	692	696	693	694	691	690	687	691		
TBIN	U004		982	983	983	983	902	854	854	855	854	853	853	851	853	853	853	853	852	911	982	983	985	983	982	983	983	982	983	983	983	982	983	982	983	981	981	983	983	983	983	984	983	982	983	983	982	984	982			
Total ST-Coal			9746	9567	9507	9497	9251	9001	8924	8727	8634	8638	8576	8343	8216	8157	8083	8163	8467	9298	9806	10135	10107	10232	10294	10312	9675	9854	9896	9911	9915	9928	10039	10118	10283	10282	10304	10294	9991	9974	10082	10295	10306	10133	10095	9963	9951	9930	9753	9806		
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	0		
CBPS	BLK2		359	358	353	354	359	358	361	356	362	362	362	357	357	362	362	362	362	356	348	352	364	354	354	352	353	353	361	361	360	360	361	361	359	361	356	356	359	351	350	360	358	359	352	361	355	362	363	352		
GLGR	GT01		67	68	68	66	66	68	67	67	68	67	67	67	68	67	69	67	69	69	68	68	96	105	104	104	103	102	103	105	104	104	104	102	104	104	103	103	103	103	104	103	110	109	109	108	109	108	109	108	107	
GLGR	GT02		67	68	68	67	67	67	67	67	68	67	67	68	67	68	67	67	67	68	68	97	103	103	103	103	104	103	103	103	103	104	104	103	103	103	103	103	104	104	106	105	105	106	105	105	105	105	105	105	105	105
GLGR	ST1C		73	72	72	73	72	72	72	72	72	72	72	72	72	72	72	72	72	85	94	93	94	93	94	93	94	93	94	94	94	94	94	95	94	95	94	94	94	94	97	97	97	97	98	97	98	97	97			
KLPP	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	0	0	13	37	129	122	121	121	122	122	63	0	0	0	0	0	0	0	0	0	0			
KLPP	GT14		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	59	146	147	152	155	157	156	156	157	157	112	111	112	111	111	117	112	112	112	112	0	0	0		
KLPP	GT15		0	0	0	0	0	0	0	23	23	23	23	22	21	22	28	34	43	84	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	113	113	113	113	113	113	113	113	113	113	113	113		
KLPP	ST17		0	0	0	0	0	0	0	0	0	0	0	23	17	18	21	27	38	67	67	67	67	67	67	63	65	139	142	136	211	210	210	210	210	209	187	129	128	132	133	134	132	133	132	95	69	70				
NPRI	BLK1		516	519	514	509	506	518	511	513	521	517	520	509	521	520	517	517	519	505	509	516	518	508	511	512	503	509	511	520	519	520	519	520	520	520	513	511	521	510	505	523	524	523	521	527	517	524	525	520		
NPRI	BLK2		518	522	507	499	501	517	500	514	523	517	520	487	516	520	517	518	512	488	489	495	520	510	495	504	482	496	514	521	520	518	517	518	518	518	504	497	515	491	485	518	521	521	523	524	520	523	525	524		
PCGP	PGRG		595	602	594	586	585	598	591	594	603	596	601	588	600	602	600	598	599	584	586	585	604	586	587	593	576	588	590	603	601	605	603	604	602	604	594	585	603	587	584	600	604	591	603	585	603	596	590			
PLPS	GT11		135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	136	136	138	135	136	137	141	141	140	140	140	140	137	138	141	135	134	139	141	141	136	139	136	140	139
PLPS	GT12		137	139	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	142	138	139	140	144	143	143	143	143	143	140	140	143	139	138	143	143	141	144	139	145	143
PLPS	GT13		131	126	127	130	129	130	129	129	129	130	129																																							

Daily MW Generation on Monday

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	HY03	9	9	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
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	-1	-1	
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	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	
KNRG	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	
KNYR	HY01	59	-1	-1	-1	-1	-1	-1	-1	-1	95	95	98	99	98	98	97	95	97	97	53	56	55	96	98	98
KNYR	HY02	61	76	74	58	59	56	57	58	80	69	91	56	75	84	60	70	67	57	55	62	95	69	62	67	57
KNYR	HY03	59	57	55	57	57	0	0	0	0	95	95	98	99	99	98	97	95	98	98	48	51	49	96	98	97
KNYR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	97	97	100	100	100	98	97	99	100	53	56	54	96	98	97	98
LPIA	HY01	20	20	20	20	20	20	20	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
LPIA	HY02	20	20	20	20	20	20	20	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
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	
PGAU	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	
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	
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	
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	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	25	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	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	
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	
TMGR	HY02	43	81	44	44	41	48	46	44	74	66	84	47	85	87	50	75	65	41	41	52	84	81	63	71	39
TMGR	HY03	32	32	32	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	31	33	30	31	-1	82	84	31	33	84	84
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	
UJLI	HY02	92	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	57	86	88	81	85	86	93	92	186	124
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	
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		477	375	328	310	308	224	223	219	283	264	304	521	578	619	538	598	584	545	538	595	663	598	676	628	1208
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	2	4	5	5	9	9	17	22	24	24	26	26
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8	13	17	22	25	24	26	30	29	30
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	12	17	21	24	27	29	30	30	30	30
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	19	15	30	33	35	41	43	43	40	36
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9	13	18	19	26	28	19	39	18	39	8
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	9	10	14	6	15	20	9	17	27	15
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	9	15	22	27	32	36	39	35	50	50
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	12	18	17	21	32	37	47	45	33	39	45
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	9	15	21	26	30	33	36	38	41	41	36
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	9	14	19	23	26	29	30	30	30	30
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	12	19	25	29	36	33	32	21	27	49
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	11	19	28	34	39	51	42	50	40
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	15	21	27	31	34	36	37	35	39
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	3	11	15	20	12	18	22	23	24	24
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	15	18	28	26	23	16	24	30	30	29
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	24	74	139	212	282	352	403	432	483	451	520	495

Daily MW Generation on Monday

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	
PCUF	CUFG	1	4	4	3	3	3	4	3	3	3	3	4	3	5	4	3	2	2	5	3	5	3	4	4	3	3	2	4	3	2	4	5	2	4	4	4	2	3	5	5	3	4	4	4	3	1	0	4
PCUF	CUFK	4	4	3	5	3	4	3	3	6	3	4	4	2	2	3	2	3	2	4	3	4	3	4	3	3	2	2	2	3	2	4	3	2	4	5	2	2	4	4	5	2	3	2	3	3	3	4	3
Total Co-Gen		5	8	7	8	6	7	7	6	9	6	7	8	5	7	7	5	5	4	9	6	9	6	8	7	6	5	4	6	6	4	8	8	4	8	9	6	4	7	9	10	5	7	6	7	6	4	4	7
Total Gen		15136	14701	14442	14228	13961	13619	13517	13325	13082	13046	12865	12775	12783	12773	12607	12777	13349	14471	15129	15647	15974	16193	16423	16599	16431	16509	16502	16800	17088	17371	17391	17473	17522	17486	17153	16594	16059	15542	15669	16266	16427	16338	16347	16276	16155	16154	15900	15727
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		
TIE-HVDC		-28	-28	-29	31	30	30	30	30	29	30	30	30	29	29	31	29	29	31	29	29	30	30	29	31	30	30	31	30	29	31	31	30	29	29	31	30	29	29	31	29	30	30	31	31	31	31		
TIE-PLTG		-33	-87	-76	-19	5	-34	-19	-58	-76	0	-93	-21	-3	-59	-54	-54	14	46	-17	-18	-116	-123	-112	-102	-52	-30	17	17	12	9	-1	15	21	-4	39	59	31	8	-4	-22	23	-30	-18	-54	2	0	10	-10
Interconnection		-62	-115	-105	12	35	-4	11	-28	-47	29	-63	8	28	-28	-24	-25	46	75	12	13	-88	-95	-82	-72	-23	1	47	46	44	38	28	46	49	25	70	90	61	39	26	6	51	1	12	-25	32	30	40	20
System Total		15205	14823	14554	14222	13932	13629	13512	13360	13136	13024	12935	12774	12762	12808	12638	12808	13309	14402	15123	15641	16069	16295	16512	16679	16462	16516	16463	16761	17051	17340	17370	17434	17480	17468	17090	16507	16001	15506	15646	16263	16379	16340	16338	16304	16126	16127	15863	15710
SRev ST-Coal		391	422	444	451	694	727	771	848	905	906	899	903	1031	1044	1047	1046	922	743	610	297	325	254	192	174	201	172	190	225	176	182	172	153	178	189	167	177	344	350	336	176	165	298	321	402	418	440	454	398
SRev CCGT-Gas		245	259	410	454	324	333	357	347	717	735	895	970	914	908	966	958	726	460	366	301	304	193	277	194	272	425	351	154	361	336	169	170	176	176	227	237	330	470	419	222	211	195	230	186	265	198	227	258
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
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		739	1027	1027	1027	1027	1027	1027	1027	1027	1027	825	825	674	825	825	825	825	825	825	738	738	551	551	638	151	464	464	464	277	277	126	277	277	277	277	652	839	926	926	551	464	464	277	277	277	378	378	565
Hydro		358	172	219	238	240	138	139	142	78	97	57	137	85	195	125	91	105	144	151	180	112	414	436	396	517	445	542	490	522	304	698	518	534	504	695	534	342	354	358	536	577	511	615	599	628	333	381	399
S.Reserve Total		1733	1880	2100	2170	2285	2225	2294	2364	2727	2765	2878	2835	2855	2821	2963	2920	2578	2172	1952	1516	1479	1412	1456	1402	1141	1506	1547	1333	1336	1099	1165	1118	1165	1146	1373	1611	1866	2111	2050	1489	1421	1468	1443	1464	1588	1349	1440	1620