

Daily System Generation Summary on Monday

Monday, October 11, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,972 MW
Distillate	0 MW
Total TNB	1,972 MW
Total IPP	17,464 MW
Total Co-Gen	0 MW
Total System	22,942 MW

Generation Mix

Type	MWh	Percentage
Hydro	18,476	4.85 %
Gas	44,245	11.61 %
Total TNB	62,721	16.46 %
ST-Coal	241,101	63.29 %
LSS	3,952	1.04 %
Gas	72,179	18.95 %
Total IPP	317,232	83.27 %
Co-Gen	1,174	0.31 %
Total Co-Gen	1,174	0.31 %
Total Generation	381,127	100.05 %
PLTG	875	0.23 %
HVDC	-694	-0.18 %
Interconnection	181	0.05 %
Net Energy	380,946	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	19,307 MW
TNB Generation	3,473 MW
IPP Generation	14,848 MW
Spinning Reserve	939 MW
Maximum Demand	18,358 MW
Net Energy	380,946 MWH
Load Factor	86.46 %

Fuel Cost

Total Cost:	81,943,808.07 RM
Cost per Unit	21.49 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	629
Hydro	293
Syncon	414
Thermal	157
Total	1,493

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	39
TJGS	184
Total TNB	222
CBPS	49
KLPP	58
NPRI	137
PGLA	107
PLPS	68
SKSP	18
Total IPP	436
Total Gas	659
Total Gas Required	659

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	15173	14442	13889	13363	13082	12837	12881	12891	13669	15482	16409	17087	17125	17067	17689	18105	18323	17827	16702	16742	17687	17480	17077	16891

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, November 3, 2021 1:08:42 PM
 (Ir. Shanmugam Thoppalan)
 Head
 Grid System Operator

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																									
JMAH	U001	692	692	691	692	694	692	691	689	691	692	597	640	652	653	631	691	694	694	693	693	691	695	692	695	694	693	691	694	692	692	693	691	694	692	694	694	692	692	695	694									
JMAH	U002	696	696	695	698	696	696	698	693	697	696	596	603	666	655	640	698	689	695	696	694	697	695	695	693	697	695	696	693	697	697	695	694	693	696	690	695	689	696	695	696	693	696	704	700	697	694	694	695	
JMHE	U001	982	941	939	855	822	818	821	821	819	820	821	820	819	819	814	821	822	898	975	979	980	980	984	980	979	981	979	977	985	979	980	983	977	980	978	976	969	981	978	979	980	979	980	981	979	978	983	977	
JMHE	U002	979	940	937	842	823	819	822	823	822	820	820	818	818	820	818	822	823	897	976	978	979	979	981	980	980	981	980	977	983	980	979	980	979	979	975	973	979	979	978	980	980	980	980	978	980	980	977		
JMJG	U001	678	678	680	682	676	678	679	682	680	677	682	681	679	680	677	678	678	683	679	679	680	674	677	676	683	682	677	676	672	678	682	679	674	679	675	677	680	679	682	681	677	678	680	680	676	678	677	679	
JMJG	U002	672	672	671	673	676	674	673	673	673	672	671	672	671	672	673	673	673	678	679	679	679	672	675	682	672	682	678	674	677	671	679	679	680	678	678	677	678	679	677	678	678	677	676	677	674	678	676		
JMJG	U003	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684			
JMJG	U005	894	883	892	820	822	821	815	823	822	821	821	819	820	823	819	821	820	892	906	901	879	841	895	890	888	887	894	888	891	892	892	891	892	891	892	892	887	892	896	892	881	755	689	688	681	702	727	746	
PKLG	U003	279	278	280	277	281	279	212	148	151	152	153	152	153	152	151	201	277	280	282	282	279	281	279	279	278	276	279	277	278	281	279	280	280	279	278	276	279	273	279	277	280	279	279	278	280	278	280		
PKLG	U004	279	281	279	276	277	277	189	154	153	157	155	154	154	153	154	202	261	275	279	278	279	280	276	277	279	274	276	277	272	275	270	271	278	278	274	278	278	279	277	280	281	282	280	281	279	274	278		
PKLG	U005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	83	109	133	153	152	151	149	151	164	165	202	156	191		
PKLG	U006	446	442	441	442	444	444	370	290	283	282	284	284	282	283	279	301	387	440	445	444	445	443	442	443	442	440	443	445	442	444	443	443	444	444	447	447	447	443	444	442	442	442	444	445	446	443	444		
TBIN	U001	690	689	690	690	690	690	689	690	632	632	599	599	646	646	629	630	653	687	690	689	690	688	687	687	687	689	688	688	687	685	687	687	687	689	688	687	688	688	687	686	685	686	687	685	688	689	688		
TBIN	U002	694	694	695	697	692	700	694	691	669	633	602	603	626	651	639	630	693	693	694	693	694	689	691	695	691	692	697	686	694	694	689	692	696	694	692	698	693	690	693	699	686	694	694	691	695	692	691	690	692
TBIN	U003	686	688	691	688	690	688	688	687	634	629	601	600	649	649	628	630	693	691	691	692	690	691	692	692	692	689	688	693	694	690	690	691	695	692	692	691	692	689	691	691	692	691	689	691	691	690	692		
TBIN	U004	982	944	942	868	822	820	822	823	822	824	822	823	822	821	823	822	822	895	984	982	985	983	982	983	984	983	982	984	983	983	983	981	982	985	982	984	985	984	986	983	984	983	983	981	984	984	981	984	984
Total ST-Coal		10333	10202	10207	9884	9789	9780	9547	9371	9232	9191	8908	8952	9141	9162	9060	9207	9534	10060	10346	10348	10333	10272	10338	10335	10330	10335	10325	10316	10337	10326	10323	10325	10319	10346	10376	10413	10417	10472	10490	10490	10464	10348	10296	10298	10288	10344	10320	10378	
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	238	220	220	217	226	204	237	218	234	221	256	348	219	247	222	224	218	222	244	220	306	363	352	337	293	308	313	361	354	354	360	361	359	362	357	294	217	217	278	360	360	361	361	362	360	362	356	358	
GLGR	GT01	97	96	96	97	97	96	97	96	97	96	98	95	96	97	95	97	96	97	95	96	96	97	97	96	105	106	106	90	109	109	109	108	94	85	85	85	84	84	85	87	85	87	86	69	68	68	67		
GLGR	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	45	71	92	100	98	98	98	93	85	85	86	85	85	85	85	86	86	68	68	68	68				
GLGR	ST1C	39	39	40	40	40	39	39	39	39	38	39	38	40	40	39	39	39	39	39	39	39	39	39	42	50	45	33	96	98	98	98	93	81	81	81	81	81	81	81	81	81	81	72	72	72	72			
KLPP	GT13	0	0	0	0	0	0	7	18	17	16	11	11	24	36	59	66	136	135	135	135	134	134	133	136	136	127	126	127	124	126	127	126	127	127	127	124	124	124	123	128	127	127	128	127	128	127	123		
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	60	150	150	151	152	113	113	113	113	117	113	118	119	113	113	113	114	113	118	144	148	144	55	0	0	0	0			
KLPP	GT15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	34	89	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110		
KLPP	ST17	0	0	0	0	0	0	0	0	0	0	8	15	24	38	42	67	67	66	63	65	143	143	132	212	201	203	202	202	203	202	202	203	204	202	202	202	202	202	203	166	136	142	143	142	116	67	67	65	66
NPRI	BLK1	518	443	345	347	351	325	352	345	348	349	355	352	340	353	348	349	347	397	393	510	514	517	518	514	509	511	515	512	508	516	514	517	503	513	512	509	513	325	437	517	511	517	514	521	514	517	511	510	
NPRI	BLK2	518	397	340	339	352	314	349	340	347	347	354	351	331	350	346	347	346	398	393	514	519	517	522	517	503	511	519	515	491	517	515	518	521	518	514	505	332	330	432	520	514	518	516	523	520	518	509	514	
PCGP	PGRG	599	600	446	450	251	252	256	252	252	252	263	252	251	254	251	253	251	356	597	602	604	605	604	595	598	602	602	598	605	600	601	610	607	597	595	599	394	603	608	594	603	601	612	602	602	593	596		
PGLA	GT11	167	167	166	169	169	159	169	167	168	167	171	169	166	170	168	168	169	166	166	169	169	170	215	214	169	170	169	169	217	215	214	216	214	213	166	168	168	170	215	213	215	215	216	215	215	214	168		
PGLA	GT12	171	172	171	173	173	165	172	17																																									

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	
BSIA	HY01	22	22	22	22	21	21	11	11	11	11	11	11	11	11	21	21	21	21	21	21	21	21	21	21	
BSIA	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	
BSIA	HY03	23	23	22	22	22	22	11	10	10	11	11	10	10	10	22	22	23	23	23	23	23	23	23	23	
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
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	125	125	125	0	0	0	0	0	0	0	0	0	0	63	125	124	124	125	124	124	124	124	124	125	
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	35	35	34	35	34	34	34	34	
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	22	21	35	35	35	35	35	35	35	35	35	
KNRG	HY03	23	23	23	23	24	22	24	23	24	24	24	23	23	22	35	34	34	35	22	22	23	22	23	24	
KNYR	HY01	94	94	94	94	94	59	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	
KNYR	HY03	95	95	95	95	95	93	59	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	
KNYR	HY04	96	96	96	96	96	94	60	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	
LPIA	HY01	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
LPIA	HY02	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
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	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	
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	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	
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	0	0	0	0	0	0	0	0	0	0	0	
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	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	
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	62	62	62	62	32	-1	-1	-1	-1	81	81	81	81	81	-1	-1	-1	
TMGR	HY02	46	44	44	45	58	38	54	44	61	46	87	72	43	88	45	46	45	46	45	44	45	44	44	44	
TMGR	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	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	81	81	81	81	81	42	33	33	32	
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	-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	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		599	597	596	492	486	459	374	449	529	514	556	541	502	494	450	451	512	732	835	888	914	895	914	919	791
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	2	6	11	17	14	24	17	30	32	32	32	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9	16	22	16	26	35	29	50	46	43	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	14	20	28	32	36	28	20	42	42	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	8	12	19	21	25	17	25	30	29	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8	15	22	32	34	34	30	47	47	49	
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	17	24	27	40	41	43	42	50	47	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	16	22	17	38	38	39	39	44	43	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	15	18	22	26	29	30	30	30	30	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	16	26	23	34	44	48	49	51	51	

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	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	10	19	33	41	38	35	41	52	52	52	52	52	52	47	43	37	30	21	6	6	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	5	11	23	29	32	36	38	40	43	32	44	43	37	31	34	33	21	17	17	10	4	2	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	2	4	6	9	12	14	20	18	29	23	29	21	23	29	19	15	15	19	8	10	3	3	1	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	3	11	20	15	30	30	20	25	30	30	30	19	30	25	30	30	30	17	11	10	11	6	1	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	31	96	196	287	330	413	437	446	516	551	538	524	519	530	453	465	433	363	303	222	152	72	32	1	1	0	0	0	0	0	0	0	0
PCUF	CUFG	25	25	25	25	25	25	25	25	26	26	26	25	26	27	25	25	25	23	22	22	23	24	24	21	20	21	20	21	21	21	22	22	21	21	22	22	21	21	21	21	23	22	22	22	24			
PCUF	CUFK	26	26	25	28	26	26	26	27	26	29	28	26	26	25	26	25	26	26	24	24	27	24	26	26	26	26	26	25	25	28	25	28	25	26	25	26	25	27	27	25	27	27	27	26	26	26	26	
Total Co-Gen		51	51	50	53	51	51	52	51	55	54	52	51	51	50	52	52	51	51	49	46	49	47	50	47	46	46	44	44	47	47	46	46	50	47	47	46	48	47	48	48	46	48	48	50	48	48	48	50
Total Gen		15212	14866	14562	14138	13865	13688	13359	13216	13056	12977	12811	12901	12907	13031	12859	13061	13607	14798	15448	16054	16329	16753	17033	17221	17128	17017	17048	17448	17680	18108	18116	18252	18333	18368	17919	17358	16817	16382	16724	17697	17698	17683	17465	17390	17102	17099	16931	16628
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	
TIE-HVDC		-30	-30	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-28	-28	-28	-28	-29	-29	-29	-30			