

Daily System Generation Summary on Monday

Monday, January 3, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,538 MW
Distillate	0 MW
Total TNB	2,538 MW
Total IPP	17,382 MW
Total Co-Gen	0 MW
Total System	23,483 MW

Generation Mix

Type	MWh	Percentage
Hydro	20,156	6.08 %
Gas	44,788	13.51 %
Total TNB	64,944	19.58 %
ST-Coal	189,594	57.17 %
LSS	1,876	0.57 %
Gas	72,367	21.82 %
Total IPP	263,837	79.56 %
Co-Gen	1,340	0.40 %
Total Co-Gen	1,340	0.40 %
Total Generation	330,121	99.55 %
PLTG	-937	-0.28 %
HVDC	-566	-0.17 %
Interconnection	-1,503	-0.45 %
Net Energy	331,624	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	17,734 MW
TNB Generation	3,563 MW
IPP Generation	12,148 MW
Spinning Reserve	1,966 MW
Maximum Demand	15,824 MW
Net Energy	331,624 MWH
Load Factor	87.32 %

Fuel Cost

Total Cost:	74,167,874.51 RM
Cost per Unit	22.46 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	530
Hydro	522
Syncon	434
Thermal	781
Total	2,267

Time Weather Temperature

Afternoon	Rainy	30
Morning	Rainy	28

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	110
Total TNB	139
CBPS	53
NPRI	152
PGLA	91
Total IPP	296
Total Gas	434
Total Gas Required	434

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	12482	11954	11547	11221	10950	11022	11131	11557	12481	14150	14829	15318	15199	15082	15555	15747	15824	15562	14775	14928	15619	15300	14579	14052

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, February 3, 2022 4:59:52 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	303	305	304	305	304	304	303	304	304	304	304	303	304	302	304	412	483	605	695	654	657	656	678	696	688	655	653	605	604	697	686	604	604	606	604	504	456	454	453	604	604	580	504	455	454	452	404	405
JMAH	U002	306	303	304	304	305	306	304	304	304	304	302	301	303	305	409	505	608	685	654	655	656	700	700	677	655	656	605	605	693	681	632	605	604	608	505	456	455	455	605	605	591	505	453	455	454	404	405	
JMHE	U001	877	881	806	803	798	802	800	801	798	802	798	799	801	798	800	803	798	902	911	981	981	980	949	950	900	900	902	900	901	902	900	899	900	900	897	894	899	900	901	900	899	900	900	903	900	896	897	900
JMHE	U002	878	882	796	804	799	802	803	802	797	802	798	797	802	798	797	799	797	883	906	975	980	978	950	951	901	897	900	900	898	898	901	900	901	901	898	897	900	899	904	900	898	901	900	904	902	897	897	901
JMJG	U001	672	670	623	596	598	603	585	501	507	482	482	482	482	482	580	680	673	671	623	600	594	597	596	594	596	597	550	552	544	551	541	548	545	534	533	545	545	548	596	604	596	597	596	599	595	595	600	
JMJG	U002	667	668	630	598	601	598	584	503	508	488	488	488	488	488	575	680	668	673	620	590	599	598	596	601	596	601	550	550	550	551	551	548	548	549	548	551	552	546	596	598	598	598	600	597	596	598		
JMJG	U004	883	884	867	810	805	805	804	805	801	808	808	808	808	808	808	808	865	923	954	957	949	904	904	906	903	903	903	901	905	904	903	902	901	904	901	906	903	905	902	900	905	903	904	902	904	903		
JMJG	U005	882	882	836	801	803	800	803	801	801	797	797	797	797	797	797	797	876	902	905	901	902	901	901	901	901	899	899	903	899	900	901	900	903	900	899	899	901	902	900	900	902	905	900	895	901	901		
PKLG	U003	144	143	142	142	141	141	142	144	142	144	143	142	142	142	142	141	165	273	276	281	283	282	281	279	277	274	251	157	143	142	141	143	143	142	210	261	279	281	281	279	280	280	281	219	150	147		
PKLG	U004	142	146	142	141	140	142	143	142	143	142	145	142	143	142	143	143	141	142	143	142	139	142	143	144	145	144	144	145	145	143	144	142	144	144	142	143	146	146	145	144	144	143	144	145	146	145	119	
PKLG	U006	449	449	398	368	367	368	349	281	269	269	265	320	358	358	358	406	445	452	448	449	449	449	447	450	449	449	447	449	450	448	448	447	449	447	443	444	449	447	448	446	449	448	449	452	447	442	446	
TBIN	U001	351	350	299	300	302	302	302	301	300	302	301	354	351	350	363	451	500	601	600	649	598	600	626	648	648	649	650	598	597	599	599	600	653	650	598	547	550	550	549	601	599	600	550	550	551	550	550	542
TBIN	U002	352	352	301	305	306	305	308	306	305	306	306	356	354	353	365	467	487	606	602	652	600	602	620	651	654	653	652	604	602	602	602	602	653	656	615	549	553	552	551	605	602	602	550	553	554	552	552	542
TBIN	U003	352	353	301	302	303	304	303	303	302	303	358	352	353	366	458	494	629	599	654	599	601	614	657	645	653	649	604	603	604	605	612	634	651	627	558	537	535	549	605	597	601	541	554	554	551	551	542	
Total ST-Coal		7258	7268	6749	6579	6572	6582	6533	6298	6281	6253	6241	6448	6484	6474	6517	7250	7758	8674	9030	9189	8990	8988	9008	9124	8987	8929	8929	8560	8469	8627	8614	8479	8581	8602	8464	8133	8095	8121	8134	8693	8677	8641	8323	8247	8251	8153	7988	7951
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	360	364	358	354	360	353	357	361	361	362	364	350	357	364	364	353	355	361	367	368	364	365	360	360	352	353	357	362	361	362	357	362	365	362	359	209	370	373	378	377	377	365	374	367	371	372	370	371
EMPP	BLK1	708	711	709	708	711	706	710	710	697	712	717	696	711	709	714	703	705	711	717	717	711	710	711	703	700	703	709	710	707	711	711	713	710	709	709	707	705	707	712	709	710	697	712	710	700	703	704	702
GLGR	GT01	95	96	97	96	97	97	97	97	96	98	97	96	99	96	97	96	96	97	96	97	96	97	96	96	97	95	98	110	109	109	108	109	108	108	108	108	108	109	109	108	108	110	108	107	109	109		
GLGR	ST1C	40	41	41	40	41	40	42	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	41	41	41	42	41	47	47	46	45	46	46	47	48	47	46	46	46	45	45	44	45	45	45			
NPRI	BLK1	507	514	514	511	514	506	511	515	500	517	523	499	514	515	522	505	506	514	523	524	515	515	516	504	503	505	517	518	508	515	513	517	517	515	514	514	512	511	518	518	514	500	514	510	503	505	508	505
NPRI	BLK2	514	516	519	514	519	511	514	518	505	521	526	503	518	519	525	509	511	519	526	527	520	521	520	509	509	511	521	521	511	518	518	521	521	521	517	518	515	515	526	520	519	507	519	514	507	511	511	511
PCGP	PGRG	262	262	262	262	260	260	262	262	263	266	271	262	261	262	270	262	262	265	269	269	261	262	351	312	261	261	261	451	593	601	597	604	605	604	598	601	595	601	600	603	601	589	601	303	302	263	261	261
PGLA	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	126	139	218	218	217	215	215	214	218	218	215	217	216	218	219	218	217	217	216	217	219	219	219	213	219	216	215	215	217	215	
PGLA	GT12	222	222	223	223	224	222	222	223	218	225	228	220	225	224	228	221	229	231	231	207	222	222	222	219	218	219	223	223	220	222	222	222	222	222	222	220	220	221	225	223	223	218	222	221	220	220	221	219
PGLA	ST10	111	112	113	111	113	111	111	112	111	115	114	112	112	115	114	112	114	110	104	205	240	242	239	238	239	240	240	241	240	241	240	241	242	242	240	242	239	239	240	239	240	235	239	236	235	237	238	237
SPGP	BLK1	500	359	452	450	450	450	358	361	361	362	361	359	359	501	501	500	362	359	358	361	358	499	717	718	600	360	363	606	706	697	698	700	701	692	692	599	597	598	597	597	600	600	709	402	360	359	361	
SPGP	BLK2	501	364	453	450	360	362	361	362	361	362	362	360	360	502	501	361	362	359	362	436	486	485	485	586	690	477	558	715	724	724	725	725	724	725	727	723	724	726	725	725	725	726	711	429	361	361	360	
TJGS	GT1A	228	229	228	233	228	228	229	230	225	229	229	219	232	228	229	224	226	229	232	227	227	229	228	226	226	227	228	229	226	231	228	229	228	225	228	229	226	228	226	227	226	228	226	231	228	223	228	227
TJGS	GT1B	216	216	217	214	216	214	216	217	212	218	214	208	218	213	216	212	213	216	217	214	215	216	214																									

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	
KNRG	HY03	22	22	23	22	23	22	22	23	22	23	23	22	23	22	22	23	23	22	22	22	22	22	22	22	22
KNYR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98	100	98	96	97	96	99	99
KNYR	HY02	-1	57	59	57	59	56	57	57	57	-1	-1	-1	-1	-1	-1	-1	-1	98	99	101	98	97	98	97	100
KNYR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	100	101	99	97	98	97	97
KNYR	HY04	61	0	0	0	0	0	58	57	61	63	56	56	62	61	56	58	58	62	60	57	59	61	58	58	58
LPIA	HY01	24	24	24	24	24	24	24	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
LPIA	HY02	24	24	24	23	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
MNOR	HY01	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	3	3	3	3
PGAU	HY01	21	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	16	-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	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	0
SIHY	HY01	31	31	31	31	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	31
SIHY	HY02	30	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30
SIHY	HY03	30	30	30	30	30	7	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	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	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	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	61	62	62	61	34	13	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	84	85	34	31	30	31	33	84
TMGR	HY02	63	64	64	63	35	34	35	35	32	0	0	0	0	0	0	0	87	86	87	0	85	84	85	86	86
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	0
TMGR	HY04	40	48	84	42	83	43	42	44	39	85	85	38	42	57	85	40	56	43	85	86	59	85	33	30	29
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	88	92	98	98	95	95	94	-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	-1
UPIA	HY01	6	5	6	6	6	6	6	6	5	6	6	6	6	6	6	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		564	485	525	476	470	334	303	364	383	336	319	261	267	288	317	262	383	391	479	650	897	1050	916	928	882
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	6	8	11	12	14	16	17	15	21	17
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	8	10	6	17	27	16	22	20	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	11	11	14	15	18	29	24	30	18	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	6	8	9	11	9	12	12	10	10	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	3	6	9	4	16	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8	12	19	20	19	24	21	36	30	
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	8	12	7	16	12	15	15	26	
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	10	10	12	10	7	23	10	15	11	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	9	12	13	19	20	27	31	39	42	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	6	9	13	19	20	24	24	30	27	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	30	35	15	
SSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	11	17	18	27	28	29	37	14	
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	1	3	6	7	11	8	9	15	
TBLS	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
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	15	40	75	100	135	146	177	229	255	291	316	
PCUF	CUFG	28	31	33	30	32	29	31	31	29	33	34	28	30	30	28	32	27	26	28	28	31	32	27	28	28
PCUF	CUFK	29	26	26	27	26	27	27	26	25	26	25	27	26	26	26	26	26	27	27	28	26	26	27	28	27
Total Co-Gen		57	57	59	57	58	56	58	57	54	59	59	55	56	59	59	55	51	55	56	56	55	58	54	53	56
Total Gen		12481	12154	11857	11615	11433	11272	11122	10969	10909	10916	10910	10929	11054	11354	11460	11906	12429	13429	14049	14496	14743	15106	15318	15415	15175

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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