

Daily System Generation Summary on Monday

Monday, October 3, 2022

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	19,333 MW
Total Co-Gen	0 MW
Total System	24,610 MW

Generation Mix

Type	MWh	Percentage
Hydro	23,248	6.39 %
Gas	43,002	11.82 %
Total TNB	66,250	18.21 %
ST-Coal	203,045	55.80 %
LSS	5,075	1.39 %
Gas	88,645	24.36 %
Total IPP	296,765	81.56 %
Co-Gen	744	0.20 %
Total Co-Gen	744	0.20 %
Total Generation	363,759	99.97 %
PLTG	-98	-0.03 %
EGAT	6	0.00 %
Interconnection	-92	-0.03 %
Net Energy	363,851	100.00 %

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 5/24/2022	398,523 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	18,544 MW
TNB Generation	3,336 MW
IPP Generation	13,981 MW
Spinning Reserve	1,187 MW
Maximum Demand	17,438 MW
Net Energy	363,851 MWH
Load Factor	86.94 %

Fuel Cost

Total Cost:	118,171,008.94 RM
Cost per Unit	32.47 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	577
Hydro	351
Syncon	339
Thermal	320
Total	1,587

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Hot	32

Gas Usage

Station	(mmcsfd)
GLGR	46
TJGS	145
Total TNB	192
CBPS	40
EMPP	286
NPRI	78
PCGP	88
PGLA	46
PLPS	37
SPGP	104
Total IPP	679
Total Gas	870
Total Gas Required	870

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	14234	13483	13108	12617	12324	12220	12598	12701	13403	15304	16158	16712	16544	16287	16986	17290	17392	16921	16033	16388	16772	16608	16012	15445

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, November 2, 2022 2:34:35 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	213	216	213	214	215	215	213	214	214	214	213	215	214	214	214	214	214	215	215	212	215	214	213	214	214	214	216	255	428	525	634	717	702	704	705	698	703	709	705	706	707	704	704	707	709	493	402	364	
JMAH	U002	214	214	213	213	213	213	213	214	213	213	213	212	213	213	213	215	214	213	214	214	299	432	697	708	705	706	706	705	705	704	702	706	705	703	704	706	711	712	710	705	697	706	706	702	708	706	704	704	
JMHE	U001	979	901	850	850	803	802	803	800	797	801	801	798	799	803	802	801	798	900	904	977	980	982	981	979	978	979	983	978	979	980	979	983	979	976	972	974	970	978	977	978	976	976	977	975	977	974	978		
JMHE	U002	976	901	846	849	802	800	798	803	801	801	801	798	800	802	798	801	800	899	902	980	984	979	982	982	978	980	981	978	981	978	978	979	977	979	979	975	981	981	979	977	982	980	980	980	979	978	979		
JMJG	U001	668	668	615	534	472	420	423	425	422	423	423	424	425	424	433	519	601	589	625	676	667	669	667	668	666	670	670	665	668	667	665	668	667	668	666	670	668	666	667	672	664	667	664	667	671	671	669		
JMJG	U002	671	667	677	642	547	461	425	431	433	432	431	431	430	431	436	520	579	667	656	657	662	662	660	663	656	663	668	671	671	665	679	660	678	666	675	671	671	677	664	667	668	670	666	667	673	671	671	671	
JMJG	U004	954	900	900	900	902	902	902	903	905	900	904	903	903	902	903	903	900	900	897	950	978	976	976	972	972	974	977	977	972	975	977	976	975	978	977	978	977	977	975	977	973	977	975	972	969	967	972	968	
JMJG	U005	915	901	845	850	796	801	796	797	797	799	801	800	799	796	799	800	800	900	900	960	953	952	955	955	953	955	953	955	955	952	958	957	957	958	958	956	955	960	954	957	955	958	958	956	954	957	958	958	
PKLG	U003	14	22	33	36	37	36	34	32	39	34	34	39	36	34	35	36	39	47	32	34	34	35	39	31	33	21	21	24	25	25	25	17	22	35	27	23	22	24	25	27	24	23	23	22	23	21	21	21	
PKLG	U004	151	151	155	153	147	144	148	148	147	145	145	148	147	146	148	150	148	149	147	147	146	148	147	147	152	148	147	146	144	149	146	148	148	146	145	156	146	147	147	146	145	148	149	148	150	150	150		
PKLG	U005	269	268	269	269	268	271	268	267	270	268	271	271	268	269	267	267	269	269	268	269	268	269	271	268	269	269	269	273	270	269	268	268	268	269	269	269	268	272	269	271	269	268	273	270	268	269	268	270	
PKLG	U006	269	269	269	268	269	269	269	269	269	269	269	268	268	268	269	268	268	269	270	268	267	268	269	270	267	270	267	269	269	269	269	269	222	272	270	267	270	269	268	268	268	269	269	269	269	269	269		
TBIN	U002	258	212	215	214	214	214	214	214	214	214	214	214	212	212	213	215	328	503	643	702	700	701	700	702	700	701	702	699	700	702	700	700	702	704	703	702	699	703	706	699	705	700	700	701	707	700	701	701	
TBIN	U003	700	641	342	208	213	211	214	212	211	212	212	210	211	211	211	213	237	394	633	708	699	699	700	700	699	699	703	698	699	699	699	700	699	698	700	700	699	700	700	701	699	699	700	700	699	700	698	699	
TBIN	U004	914	903	862	851	804	801	801	804	804	803	802	804	804	802	802	803	801	880	901	941	942	942	944	940	944	939	943	945	943	941	943	944	942	944	934	944	942	944	944	943	944	943	945	940	941	946	943	943	944
Total ST-Coal		8165	7834	7304	7051	6702	6560	6521	6533	6536	6528	6534	6535	6529	6527	6545	6726	6994	7793	8207	8696	8796	8929	9197	9199	9185	9189	9214	9234	9410	9495	9625	9690	9642	9702	9689	9679	9677	9730	9690	9692	9682	9683	9680	9692	9473	9381	9341		
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	255	258	262	256	265	262	260	271	257	201	201	201	200	205	202	201	202	251	259	256	265	262	261	256	250	190	196	259	256	269	260	264	271	271	257	263	185	194	215	262	263	260	264	252	253	197	198	201	
EMPP	BLK1	689	691	708	688	715	711	695	720	691	473	500	522	662	714	671	618	709	676	695	683	710	710	693	679	672	678	681	691	686	710	680	687	708	705	673	681	667	584	724	694	691	689	697	666	683	695	707	564	
EMPP	BLK2	1	1	1	82	146	196	194	194	275	650	534	523	663	715	667	618	709	695	706	698	710	710	707	695	688	694	701	708	700	742	755	756	705	705	689	696	682	702	724	706	709	704	708	691	696	705	709	604	
EMPP	BLK3	689	695	709	688	715	710	695	720	691	463	501	522	663	713	666	636	708	675	693	682	709	710	692	675	669	675	683	690	683	711	682	687	709	710	674	681	667	685	724	691	693	689	703	671	682	695	704	665	
GLGR	GT01	103	103	105	103	83	84	65	65	65	65	65	65	65	65	67	68	66	66	66	66	66	66	66	65	65	66	66	64	64	65	67	68	67	65	67	65	67	66	65	66	66	67	25	0					
GLGR	GT02	103	103	101	103	83	82	66	66	66	66	66	66	66	66	65	66	66	66	66	66	66	66	66	66	65	65	66	66	66	66	66	66	66	66	65	65	66	66	66	66	66	66	66	66	66	92	92		
GLGR	ST1C	94	93	94	94	85	84	78	78	78	78	78	78	78	78	70	70	70	70	70	70	70	70	70	70	70	71	70	70	71	74	70	71	70	70	71	71	72	71	70	70	71	70	71	54	40				
NPRI	BLK2	500	505	510	502	514	509	505	518	502	509	509	509	511	513	508	509	509	496	505	497	509	505	503	495	489	492	380	519	507	520	505	512	519	518	499	507	496	302	468	520	518	516	520	506	510	518	343	310	
PCGP	PGRG	588	592	603	584	614	602	592	623	591	600	600	600	605	612	603	604	603	573	594	579	603	597	591	573	564	571	585	599	582	602	576	585	602	606	566	578	556	582	625	594	593	589	595	564	575	590	597	601	
PGLA	GT11	224	224	227	224	228	227	150	154	149	150	151	150	150	153	150	151	151	144	149	147	151	228	153	151	149	150	153	156	151	166	150	148	150	143	146	142	147	155	149	147	150	144	146	150	149	151			
PGLA	ST10	111	110	111	111	111	112	95	82	82	82	82	82	82	82	81	81	81	80	81	82	82	108	83	82	82	82	82	83	83	85	83	80	82	82	80	80	80	83	82	81	81	81	79	81	82	82			
PLPS	GT11	148	148	147	147	148	146	129	128	128	128	129	129	129	130	129	129	128	129	129	128	129	128	128	129	128	128	129	130	128	129	130	128	129	128	129	128	129	129	129	129	129	128	129	128	129	129			
PLPS	ST18	58	58	58	58	57	54	56	56	56	57	56	58	57	57	57	57	56	59	57	57	57	58	58	58	56	57	58	57	57	58	58	58	58	57	57	56	57	57	57	57	57	57	57	57	57	57	57		
SPGP	BLK2	712	713	718	709	727	718	714	731	713	717	717	715	717	722	719	715	720	699																															

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		
HTRG	HY03	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
KNRG	HY01	31	31	32	31	32	32	32	31	31	31	31	31	30	30	31	31	32	32	32	32	32	32	32	32		
KNRG	HY02	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	38	38	38	38	38	38	38	38	38		
KNYR	HY01	100	100	100	100	100	100	100	100	100	100	100	100	99	99	99	100	100	100	100	100	100	100	99	100		
KNYR	HY02	103	103	103	103	103	104	103	103	104	103	103	103	103	103	103	103	103	103	103	103	103	103	103	104		
KNYR	HY03	101	101	101	101	100	100	100	99	99	99	100	101	101	101	101	100	100	100	101	101	100	100	99	100		
KNYR	HY04	99	99	99	99	99	99	98	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	99	99		
LPIA	HY01	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15		
LPIA	HY02	15	15	15	15	15	15	15	15	15	15	15	15	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	22	22	23	23	23	23	22	22	23	23	22	23	82	81	82	21	22	22	82	81	81	81	80	21		
PGAU	HY02	22	22	22	22	22	22	22	22	22	22	22	23	83	83	82	22	22	81	81	81	81	81	22	22		
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	0			
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	50	50	50	50	0	0			
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	25	25	25	25	0	0			
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	0	0			
TMGR	HY01	-1	-1	-1	-1	34	34	0	-1	-1	-1	0	-1	-1	28	0	-1	32	79	79	79	79	79	79	79		
TMGR	HY02	45	44	53	45	87	46	45	87	64	44	44	46	87	45	52	87	43	46	45	84	46	44	42	44		
TMGR	HY03	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	30	79	79	79	79	79	79	79	79	79		
TMGR	HY04	32	0	0	0	0	0	0	0	0	0	0	0	0	0	31	80	80	80	80	80	80	80	80	80		
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	87	-1	-1	92	86		
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	87	-1	-1	92	86		
UPIA	HY01	5	5	5	5	4	5	5	5	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5		
UPIA	HY02	4	4	4	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4		
Total Hydro		777	744	756	748	823	783	748	796	740	722	724	723	725	767	752	726	761	832	1008	1047	1205	1165	1161	1090	1053	998
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	1	3	6	6	8	7	8	16	22	27	25	
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	6	8	9	13	16	19	18	16	19	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	4	7	8	11	22	29	32	26	18	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	8	33	13	39	10	42	48	35	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	13	28	20	16	5	7	12	26	25	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	0	2	6	9	22	22	30	5	6	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	5	9	10	14	22	30	32	28	30	
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	5	8	9	17	24	22	27	28	
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	9	11	22	29	15	31	40	38	50	27	
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	9	12	19	20	30	63	74	73	66	82	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	6	9	12	14	25	35	40	46	30	
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	4	7	7	11	23	25	27	26	23	
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	15	28	60	33	51	56	47	67	74	68	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	14	11	15	17	15	25	26	22	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	12	12	17	30	31	43	36	35	
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	12	19	19	28	47	60	76	71	62	
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	32	47	42	49	33	39	76	113	114	108	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	12	11	30	21	38	39	23	19	31	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	8	13	15	13	19	32	32	27	25	
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	5	6	8	12	18	23	27	20	
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	10	17	25	30	12	12	30	30	29	27	

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
Total 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
KHTC	BLK1	3	2	3	2	1	2	2	2	4	4	2	1	1	4	1	1	0	0	0	0	0	0	0	0
PCUF	CUFG	19	21	20	21	19	21	20	22	20	20	21	21	20	21	15	15	15	15	14	15	14	15	15	16
PCUF	CUFK	4	5	4	5	6	5	5	4	4	5	7	5	2	5	4	6	5	4	5	5	5	25	27	26
Total Co-Gen		26	28	27	28	26	28	27	28	28	29	30	27	23	30	26	22	20	19	20	21	16	21	19	19
Total Gen		14266	13923	13466	13204	13069	12896	12615	12479	12362	12227	12191	12213	12634	12858	12685	12747	13378	14467	15254	15771	16122	16531	16645	16652
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
TIE-HVDC		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-PLTG		32	1	-17	9	-39	-25	-2	-67	37	12	-29	-28	36	4	-17	-47	-25	17	-37	-26	-18	-34	-51	23
Interconnection		32	2	-17	9	-39	-25	-2	-66	38	13	-29	-28	36	5	-16	-47	-25	18	-37	-25	-18	-34	-51	24
System Total		14234	13921	13483	13195	13108	12921	12617	12545	12324	12214	12220	12241	12598	12853	12701	12794	13403	14449	15304	15810	16158	16581	16712	16641
SRev ST-Coal		545	831	955	999	1025	1024	1027	1026	1019	1023	1029	1018	1025	1027	1028	1023	1018	919	874	394	381	383	309	310
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
SRev CCGT-Gas		266	247	185	287	206	239	445	677	846	1363	1408	1383	954	792	949	1080	824	699	591	661	532	354	667	765
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
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
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
Syncon		462	462	462	462	462	374	374	462	462	462	374	462	462	374	374	374	374	374	374	374	374	374	374	374
Hydro		469	415	403	411	423	464	412	378	395	413	412	412	410	368	471	410	374	613	437	398	240	280	284	355
S.Reserve Total		1829	2042	2092	2246	2116	2188	2432	2630	2809	3348	3397	3362	2938	2736	2909	3061	2765	2605	2276	1827	1527	1391	1634	1804
		1933	2158	2181	1737	1626	1266	1379	1376	1288	1187	1449	1841	2139	2268	1787	1255	1433	1455	1525	1784	2005	2171	2370	2521