

Daily System Generation Summary on Monday

Monday, October 24, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,222 MW
Distillate	0 MW
Total TNB	2,222 MW
Total IPP	16,245 MW
Total Co-Gen	0 MW
Total System	20,612 MW

Generation Mix

Type	MWh	Percentage
Hydro	23,541	7.59 %
Gas	23,886	7.71 %
Total TNB	47,427	15.30 %
ST-Coal	174,735	56.37 %
LSS	3,995	1.29 %
Gas	82,860	26.73 %
Total IPP	261,590	84.39 %
Co-Gen	549	0.18 %
Total Co-Gen	549	0.18 %
Total Generation	309,566	99.87 %
PLTG	487	0.16 %
HVDC	-904	-0.29 %
Interconnection	-417	-0.13 %
Net Energy	309,983	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:	19:30:00 Hour
Total Set On Bus	16,154 MW
TNB Generation	3,360 MW
IPP Generation	11,405 MW
Spinning Reserve	1,357 MW
Maximum Demand	14,801 MW
Net Energy	309,983 MWH
Load Factor	87.26 %

Fuel Cost

Total Cost:	103,197,024.91 RM
Cost per Unit	33.33 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	498
Hydro	304
Syncon	542
Thermal	591
Total	1,935

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Rainy	27

Gas Usage

Station	(mmscfd)
GLGR	36
TJGS	134
Total TNB	169
EMPP	296
NPRI	81
PCGP	88
PGLA	5
PLPS	53
SKSP	8
SPGP	4
Total IPP	536
Total Gas	705
Total Gas Required	705

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	13679	13158	12624	12257	11973	11825	11810	11547	11278	11693	12241	12581	12561	12626	12903	13281	13479	13323	13326	14380	14769	14528	14164	13956

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, November 2, 2022 5:09:26 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	U002	707	704	704	704	347	230	214	213	213	213	213	213	213	213	213	212	213	212	213	214	212	213	213	213	214	213	212	350	552	708	697	705	709	704	706	703	711	704	704	705	705	705	704	704	704			
JMHE	U001	899	900	901	749	751	750	501	500	498	505	500	500	497	500	498	499	500	756	804	798	799	797	802	798	800	800	797	803	798	800	841	839	841	838	841	839	841	836	924	949	944	948	948	951	944	946	950	898
JMHE	U002	898	898	893	804	802	800	801	800	801	801	799	799	795	801	796	801	798	802	799	801	801	800	804	798	799	800	797	801	798	800	839	840	841	836	840	840	840	838	933	952	948	951	950	952	948	947	951	896
JMJG	U001	672	672	673	672	676	673	673	671	673	673	674	673	671	671	666	667	669	666	664	667	666	667	666	667	670	671	671	671	671	668	667	313	313	344	368	358	354	343	350	345	343	349	360	357	347	399	420	425
JMJG	U002	645	668	668	665	672	667	664	667	665	673	665	672	670	667	671	672	670	670	675	667	662	667	668	669	673	672	672	667	668	674	596	464	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
JMJG	U003	682	673	665	670	666	666	666	668	667	662	666	662	662	668	669	663	678	651	672	670	669	672	674	673	669	668	668	675	662	679	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
JMJG	U004	900	904	862	804	804	806	805	805	803	803	803	804	807	806	806	804	806	806	805	806	804	804	805	804	804	804	804	804	804	843	845	844	844	845	847	846	843	842	842	842	843	844	843	843	843	845	844	
JMJG	U005	900	895	815	797	803	796	801	799	800	796	804	798	801	801	804	801	801	800	803	800	803	796	804	801	801	801	801	799	804	840	840	835	840	836	838	837	801	790	748	744	751	744	744	744	745	748	743	
PKLG	U003	152	155	156	156	156	157	154	156	155	156	156	156	155	156	155	156	155	156	155	156	156	156	156	156	156	156	156	156	156	198	281	286	288	280	279	277	279	276	278	277	276	280	277	278	278	275		
PKLG	U004	145	151	148	150	145	150	147	149	151	149	150	150	148	150	151	149	148	148	148	149	149	150	148	150	147	148	147	150	149	150	147	164	252	274	273	270	269	273	272	271	271	285	271	275	275	273		
PKLG	U005	266	268	269	269	268	268	269	265	269	268	269	268	269	267	272	269	267	270	268	269	268	267	271	268	269	269	269	284	370	459	465	464	466	466	464	466	463	465	433	338	261	210	126	107	0	0		
PKLG	U006	269	269	267	269	269	267	269	269	269	270	269	269	268	269	268	269	268	268	268	268	268	270	269	269	268	269	268	269	269	317	366	440	448	445	449	448	449	455	450	448	449	447	451	450	446	449		
TBIN	U002	694	700	701	698	699	701	701	701	700	701	700	700	701	700	521	358	350	543	700	691	701	700	702	701	698	701	705	702	702	702	702	702	701	701	701	701	700	701	703	699	700	699	701	700	702	701		
TBIN	U003	700	700	700	703	697	549	451	452	452	356	305	306	304	302	225	214	215	213	213	213	214	213	213	214	213	223	349	535	675	706	701	701	700	703	700	701	699	702	700	706	701	701	696	699	697	700		
Total ST-Coal		8529	8557	8422	8110	7755	7480	7116	7115	7116	7026	6974	6970	6960	6974	6887	6704	6550	6765	7032	7175	7166	7184	7186	7183	7184	7183	7179	7205	7318	7499	7951	7196	7518	7260	7310	7294	7290	7230	7401	7419	7361	7285	7209	7174	7053	7093	7016	6912
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		
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	
EMPP	BLK1	408	409	558	622	644	631	711	690	615	564	630	613	674	642	603	607	562	489	417	406	565	684	696	711	695	674	707	710	708	709	712	720	709	710	690	689	681	709	703	700	705	708	709	712	709	709	709	710
EMPP	BLK2	599	433	555	698	699	709	711	693	619	563	630	613	672	645	597	604	561	492	414	407	711	684	695	711	697	668	707	711	708	709	711	719	709	710	692	689	682	707	700	699	705	708	709	712	710	710	709	710
EMPP	BLK3	597	432	717	698	700	710	711	710	711	694	708	704	706	709	686	710	711	713	712	689	711	684	693	711	697	674	706	711	708	709	712	719	709	710	692	689	681	707	703	696	705	709	708	712	710	710	710	710
GLGR	GT01	92	92	92	93	91	93	92	92	91	91	92	91	92	93	91	92	92	95	93	93	93	93	94	94	94	93	93	94	93	92	92	94	100	105	106	105	106	107	110	99	100	69	66	67	65	66	66	66
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	0	0	0	0	0	0	0	0	25	40	43	75	107	108	108	99	99	68	65	66	65	66	65		
GLGR	ST1C	40	41	42	41	41	40	39	39	40	40	41	41	40	41	39	41	39	41	41	41	41	41	41	41	41	41	40	41	40	41	41	41	43	45	45	41	92	98	99	92	91	80	71	70	71	71	71	
NPRI	BLK2	515	514	523	513	515	518	520	513	515	514	516	512	514	518	508	516	517	523	520	510	517	507	517	518	512	499	515	518	518	518	515	526	518	518	511	508	505	516	519	511	512	517	514	521	515	515	513	518
PCGP	PGRG	596	597	614	595	597	601	601	594	601	594	600	593	593	601	584	597	602	608	602	587	600	583	593	607	595	562	595	604	604	602	596	619	602	604	589	583	577	599	603	589	591	604	594	608	595	595	591	604
PGLA	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	23	92	103	112	107	107	106	171	230
PGLA	ST10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	78	103	
PLPS	GT11	129	129	129	129	129	128	129	128	129	128	128	128	129	128	128	129	129	128	128	129	129	129	129	128	129	129	129	128	142	142	142	128	126	126	125	126	110	0	107	144	141	114	113	115	115	116	0	
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70	114	131	144	139	141	120	69	69	64	0	0	
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	0	0	0	0	0	0	0	4	68	135	134	108	115	132	130	132	112	76	63	63	64	63	123	
PLPS	ST18	57	57	57	57	56	56	57	58	57	57	57	57	57	57	57	56	57	57	57	57	56	57	57	57	57	57	57	58	59	58	58	57	58	91	142	141	195	136	188	211	209	196	175	160	159	159	110	88
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	72	80	138	343	338	323	318	218	295		
SPGP	BLK2	714	712	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TJ																																																	

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	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	62	63	63	63	62	62	62	62	63	63	63	63	62	62	-1	-1	118	62	62	-1	65	119	118	118	
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	115	118	116	63	63	116	115	116	
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	23	23	23	23	23	36	36	36	36	36	36	37	37	37	37	37	37	37	37	37	37	37	37	37	
KNRG	HY02	23	23	24	23	23	37	37	37	37	37	37	38	38	38	38	38	38	38	38	38	38	37	37	37	
KNYR	HY01	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	
KNYR	HY02	103	103	103	103	103	104	103	103	103	103	103	104	103	103	103	103	103	103	103	103	103	103	103	104	
KNYR	HY03	101	101	101	100	99	99	98	98	98	99	99	101	100	99	98	98	99	100	100	99	98	98	97	100	
KNYR	HY04	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	
LPIA	HY01	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	17	17	16	15	15	15	15	15	15	
LPIA	HY02	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	15	15	16	16	16	15	
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	21	21	21	21	21	21	21	21	21	21	21	22	0	0	0	0	22	-1	-1	-1	-1	151	83	20	
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	20	20	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	150	82	113	21	
PGAU	HY03	151	151	151	151	151	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	-1	20	-1	-1	149	148	149	148	0	0	0	0	0	0	
SIHY	HY01	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	49	50	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	0	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	0	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	25	25	0	
TMGR	HY01	42	42	81	45	42	44	80	43	43	42	42	42	41	42	42	64	44	41	42	41	42	81	44	40	
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	83	82	82	82	
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	78	78	32	31	
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	79	78	78	78	-1	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	96	92	93	-1	-1	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	93	94	-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		866	867	907	869	865	866	786	700	720	720	699	699	699	721	700	702	854	854	834	829	682	680	679	655	637
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	1	7	12	9	12	19	15	16	27	26	27	20	
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	4	11	16	21	17	20	31	32	25	19	21	27	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	4	7	8	15	15	19	19	25	19	25	26	23	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	9	14	16	18	25	20	28	30	29	37	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	10	12	12	12	12	12	12	12	12	12	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	10	8	9	15	14	20	20	22	6	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	8	16	23	16	17	25	20	21	31	20	26	
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	5	8	6	10	17	12	18	21	14	20	22	21	
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	9	11	13	14	22	22	25	29	33	44	
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	9	17	21	45	55	47	52	54	54	68	87	71	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	5	11	18	30	36	22	24	21	22	25	21	22	
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	6	17	14	18	18	22	17	22	26	
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	10	30	50	68	93	95	100	67	69	100	100	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	8	15	19	28	21	30	24	30	30	30	29	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	7	12	20	28	12	6	3	3	4	6	9	
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	6	15	21	40	55	18	9	6	7	7	9	16	

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	
PKLS	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	
SPLS	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	
SSLS	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	
STLS	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	
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	
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	
ESTL	ESTL	7	18	12	2	11	21	20	22	22	21	17	11	19	4	17	2	5	5	4	12	0	2	3	17	20
KHTC	BLK1	3	2	4	3	3	2	2	2	3	3	2	4	3	4	3	2	4	4	2	1	1	0	0	0	6
PCUF	CUFG	10	5	4	5	5	6	6	5	4	5	4	4	5	5	5	5	4	4	6	4	4	6	5	4	
PCUF	CUFK	4	3	2	4	4	4	4	3	4	4	3	4	3	4	3	4	3	4	2	2	3	5	4	3	
Total Co-Gen		24	28	22	14	23	33	32	30	33	34	31	33	28	23	29	16	25	15	15	19	18	14	20	10	
Total Gen		13622	13324	13096	12896	12572	12357	12181	12040	11923	11703	11781	11732	11840	11828	11585	11271	11294	11497	11686	11877	12231	12351	12532	12542	
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		-31	-28	-28	-30	-28	-30	-30	-28	-28	-31	-28	-28	-28	-29	-29	-29	-28	-30	-29	-31	-29	-30	-31	-60	
TIE-PLTG		-27	-41	-34	-19	-24	-24	-47	-3	-21	-10	-13	5	58	17	66	33	45	20	21	40	20	51	-20	-16	
Interconnection		-57	-69	-62	-49	-52	-54	-76	-33	-50	-38	-44	-23	30	-11	38	4	16	-9	-7	11	-10	21	-49	-46	
System Total		13679	13393	13158	12945	12624	12411	12257	12073	11973	11741	11825	11755	11810	11839	11547	11267	11278	11506	11693	11866	12241	12330	12581	12588	
SRev ST-Coal		579	602	603	608	680	752	753	750	756	752	755	763	751	750	827	813	842	816	755	770	742	750	744		
SRev CCGT-Gas		986	1317	724	566	540	491	222	274	415	546	392	439	316	359	500	643	725	847	1012	1079	574	512	382	316	
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 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 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 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		827	827	827	827	827	827	827	827	676	676	827	827	978	827	978	978	827	827	827	827	827	827	953	953	
Hydro		316	315	275	313	317	316	246	282	413	413	283	283	282	411	281	279	278	128	148	153	150	152	153	51	
S.Reserve Total		2708	3061	2429	2314	2364	2386	2048	2133	2260	2387	2254	2304	2339	2348	2509	2727	2643	2644	2803	2814	2321	2233	2112	2064	
		2212	2334	2300	2282	2159	2175	2208	1289	1594	1497	2048	2275	2296	1938	1627	1357	1167	1251	1510	1521	1807	1915	1859	1754	