

Daily System Generation Summary on Monday

Monday, October 31, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,186 MW
Distillate	0 MW
Total TNB	2,186 MW
Total IPP	18,341 MW
Total Co-Gen	0 MW
Total System	23,348 MW

Generation Mix

Type	MWh	Percentage
Hydro	18,902	5.24 %
Gas	40,257	11.17 %
Total TNB	59,159	16.42 %
ST-Coal	208,244	57.78 %
LSS	4,184	1.16 %
Gas	88,506	24.56 %
Total IPP	300,934	83.50 %
Co-Gen	592	0.16 %
Total Co-Gen	592	0.16 %
Total Generation	360,685	100.08 %
PLTG	2,083	0.58 %
HVDC	-1,793	-0.50 %
Interconnection	290	0.08 %
Net Energy	360,395	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	18,364 MW
TNB Generation	3,322 MW
IPP Generation	13,823 MW
Spinning Reserve	1,198 MW
Maximum Demand	17,157 MW
Net Energy	360,395 MWH
Load Factor	87.52 %

Fuel Cost

Total Cost:	121,772,877.00 RM
Cost per Unit	33.76 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	955
Hydro	257
Syncon	567
Thermal	207
Total	1,986

Time Weather Temperature

Afternoon	Cloudy	33
Morning	Rainy	22

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	167
Total TNB	197
CBPS	45
EMPP	271
KLPP	69
NPRI	72
PCGP	67
PGLA	33
PLPS	38
SPGP	83
Total IPP	676
Total Gas	873
Total Gas Required	873

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	14194	13615	12979	12453	12243	12069	12603	12694	13339	15068	15705	16217	16062	15813	16418	16888	17078	16818	15851	16376	16873	16576	16198	15660

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, November 2, 2022 5:27:18 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	706	703	708	702	705	705	706	705	704	704	706	707	708	706	706	705	706	707	707	707	707	707	704	699	708	707	707	707	706	700	704	705	701	707	705	696	704	708	705	704	707	710	705	707	711	705	702	705	706
JMHE	U001	976	874	879	879	801	797	796	802	797	799	800	799	801	798	797	798	800	919	978	973	977	978	976	977	978	976	976	977	978	976	977	979	975	979	975	979	972	975	978	983	978	980	976	974	974	975	976	975	976
JMHE	U002	978	881	878	881	797	800	795	800	801	800	799	799	800	798	800	798	901	983	978	981	980	980	978	980	978	978	977	978	977	979	981	975	980	978	975	980	978	975	980	977	971	975	978	974	979	974	976	979	979
JMJG	U001	669	672	667	667	671	668	662	665	664	668	671	666	669	668	666	667	668	667	668	669	662	662	667	662	667	681	671	666	667	672	669	669	668	659	666	661	660	660	665	670	659	664	661	662	662	664	663	658	660
JMJG	U002	677	671	676	677	676	677	676	676	673	671	671	675	674	675	678	677	675	677	665	673	682	682	674	672	678	677	674	678	675	672	683	683	671	677	672	677	668	677	673	672	673	677	673	677	676	666	668		
JMJG	U003	672	662	676	686	656	689	647	676	658	657	662	662	663	666	662	671	666	666	664	668	667	669	660	667	662	667	668	662	667	665	618	621	672	667	679	705	654	667	684	662	663	667	667	662	667	668	666	672	
JMJG	U004	973	952	896	882	854	805	805	804	804	805	804	807	807	807	804	807	807	852	908	966	975	974	972	972	970	972	970	973	972	975	973	972	973	972	969	973	973	972	973	972	972	976	972	975	977	975	972	976	
JMJG	U005	979	931	881	880	819	803	796	803	799	798	803	801	800	801	801	799	801	899	980	977	978	979	978	972	977	978	976	981	977	983	977	977	978	979	977	974	977	975	979	981	979	982	977	979	976	978	977	975	
PKLG	U003	279	278	196	149	158	159	160	160	160	161	160	161	161	160	160	160	244	279	285	288	283	280	283	280	281	281	281	274	280	281	280	280	282	278	279	282	279	280	281	279	280	281	281	279	281	282	280	281	279
PKLG	U004	275	266	195	148	154	155	152	155	149	153	154	154	155	155	156	154	154	215	256	221	274	276	273	274	271	274	272	274	273	275	274	274	274	278	274	274	274	274	273	273	273	273	274	272	268	274	275	275	
PKLG	U006	446	436	358	269	268	268	268	269	268	269	269	269	269	269	270	269	338	421	447	449	450	451	448	448	451	449	450	448	449	447	449	445	447	447	447	449	450	449	449	448	446	449	447	449	449	446	448	446	447
TBIN	U002	700	702	703	700	701	702	697	700	714	698	700	705	699	701	706	701	700	700	703	703	702	699	705	697	702	699	703	703	701	702	697	702	702	699	701	702	706	697	703	702	700	699	705	700	702	702	695	701	
TBIN	U003	699	699	700	699	701	699	699	701	700	702	698	700	700	700	700	700	700	700	698	701	699	698	702	700	700	699	699	699	700	701	698	698	698	698	699	703	698	699	700	700	701	700	699	700	701	697	700	699	
Total ST-Coal		9029	8727	8413	8219	7961	7927	7859	7913	7889	7885	7901	7904	7905	7909	7902	7909	8125	8657	8969	9023	9046	9021	9021	9015	9030	9025	9017	9022	9019	9025	8980	8971	9015	9021	9014	9042	9009	9019	9040	9006	9016	9015	9006	9024	9016	9016	9005	9013	
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	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	201	201	201	199	202	202	197	202	202	201	186	201	202	202	198	201	201	201	201	201	201	277	362	362	331	201	200	249	364	364	361	363	363	365	356	357	356	229	367	365	361	361	361	361	358	361	361	362	
EMPP	BLK1	439	422	467	413	412	429	403	413	413	408	390	453	505	548	478	462	416	410	608	693	634	706	708	682	528	496	419	695	710	719	653	713	713	720	600	602	595	720	717	716	678	679	710	696	601	654	706	712	
EMPP	BLK2	438	425	473	413	411	433	404	410	416	406	390	461	506	549	480	464	472	545	611	695	636	710	711	709	686	676	708	709	709	719	710	713	713	720	700	700	693	720	717	716	710	711	710	709	695	709	709	712	
EMPP	BLK3	463	437	501	414	424	457	403	412	432	429	390	482	527	563	480	479	493	568	619	708	652	710	712	710	711	709	709	710	711	718	709	712	712	720	700	696	693	719	717	716	711	711	710	710	694	708	709	711	
GLGR	GT01	92	92	92	92	91	92	92	92	92	93	92	93	93	92	91	93	93	91	90	91	96	96	96	97	91	91	92	92	93	92	92	93	92	108	106	106	108	106	107	107	108	107	108	107	106	92	92	92	
GLGR	ST1C	40	40	40	41	40	41	41	41	40	40	41	41	41	41	40	39	41	40	39	40	41	41	42	42	41	39	40	41	41	41	41	41	47	46	45	46	45	46	46	46	46	45	40	40	40	40			
KLPP	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	73	139	139	142	141	142	143	142	141	141	139	145	148	151	152	155	154	153	154	153	154	113	114	142	142	110	16	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	24	67	155	155	156	157	159	158	158	163	167	167	165	166	165	165	165	165	165	84	0	0	0	0	0	0	0	0	0	0	0	
KLPP	GT15	0	0	0	27	27	27	26	22	25	49	58	76	152	148	152	150	151	152	152	152	150	151	151	152	150	150	153	156	159	159	158	158	158	157	157	157	116	119	119	139	135	114	114	113	113	113	77	0	
KLPP	ST17	0	0	0	0	0	0	0	7	13	23	30	43	69	69	55	119	143	142	162	213	214	213	213	213	213	213	220	221	221	221	222	221	221	221	221	221	190	132	133	144	143	131	103	63	62	63	55	0	
NPRI	BLK2	518	518	517	517	518	310	303	310	310	308	289	310	310	308	305	309	310	310	308	308	518	518	520	518	518	397	396	504	520	518	517	520	520	527	511	512	512	524	526	524	517	518	518	515	517	518	520		
PCGP	PGRG	600	603	604	601	602	602	461	402	401	402	401	403	400	403	400	402	406	584	251	250	253	252	251	253	252	254	249	253	255	267	251	256	255	272	247	246	389	624	617	616	602	603	602	601	594	602	608		
PGLA	GT11	0	0	0	0	0	0	0	0	0	0	0	28	53	92	101	103	102	113	225	159	158	158	157	157	157	157	158	157	157	157	157	157	221	221	220	155	161	160	224	225	226	226	147	149	140	150	151		
PGLA	ST10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	98	81	82	83	82	84	84	84	84	84	84	84	85	84	108	110	110	83	85	83	85	111	111	112	112	86	81	81	81	81	
PLPS	GT13	134	134	134	134	134	133	133	134	134	132	133	133	134	134	134	134	134	135	133	134	134	134	134	134	133	135	134	134	134	134	134	134	144	144	144	144	145	129	138	139	138	139	139	139	138	124	124	124	
PLPS	ST18	59	59	60	59																																													

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	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
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	36	36	0
KNRG	HY02	23	24	24	23	23	24	23	23	24	24	24	23	38	38	38	38	38	38	38	38	38	37	37	37
KNYR	HY01	99	99	99	99	99	99	99	99	99	60	60	99	99	99	99	99	99	99	99	99	99	99	99	99
KNYR	HY02	103	103	103	103	103	103	103	103	103	61	61	103	103	103	103	103	103	103	103	103	103	103	103	103
KNYR	HY03	101	100	100	100	99	98	98	98	98	61	61	99	100	101	101	101	100	101	101	101	97	97	97	98
KNYR	HY04	101	101	101	101	101	101	101	101	101	61	61	102	101	101	101	101	101	101	101	101	101	101	101	101
LPIA	HY01	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
LPIA	HY02	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
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	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	-1	-1	-1	-1	-1	-1	81	81	112	150	151
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	82	82	113	149	148
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	21	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	51	51	51	51	51	51	51	51	51	30	30	30	30	45	50	50	50	50	50	50	50	50	50	50
SYPS	HY01	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25
SYPS	HY03	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25
SYPS	HY04	25	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25
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	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	41	50	42	41	43	44	41	41	43	41	36	51	43	42	42	41	48	42	41	42	81	81	81	81
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	91	95	183	183	183	177
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		682	621	630	606	607	608	604	604	608	605	597	436	429	588	606	587	661	659	669	687	680	681	695	780
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	0	0	0	0	0	0	0	0	0	0	0
CHLS	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
GBLS	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
GNLS	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
JELS	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
JSLs	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
KDLS	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
KKLS	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
KMLS	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
KNLS	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
KRLS	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
MCLS	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
MNLS	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
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

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	17	59	101	168	254	330	384	477	552	648	731	727	692	671	587	517	491	367	247	167	110	63	15	3	0	0	0	0	0	0	0	0	0	0		
ESTL	ESTL	16	14	15	17	0	14	15	20	19	19	19	17	15	16	15	15	2	18	22	22	14	19	18	18	18	13	9	14	9	8	13	16	18	15	12	13	10	14	15	14	17	22	18	18	20				
KHTC	BLK1	3	2	4	1	3	4	3	2	3	3	5	2	3	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	2	3	3	4	3				
PCUF	CUFG	4	4	2	4	3	4	4	4	3	4	4	3	4	3	3	2	3	4	6	6	5	7	4	5	5	5	6	4	5	5	5	5	5	5	6	7	5	5	5	6	5	5	7	5					
PCUF	CUFK	3	4	2	5	1	3	4	4	4	4	3	3	3	3	2	5	3	3	3	4	4	2	3	5	3	4	5	4	6	2	3	3	4	4	3	4	4	4	3	3	4	3	5	4					
Total Co-Gen		26	24	23	27	7	25	26	30	29	30	31	25	25	26	24	23	22	23	22	11	28	31	33	20	27	28	26	27	24	17	25	16	16	21	25	27	24	23	22	19	24	24	26	28	33	29	34	32	
Total Gen		14182	13772	13622	13223	12959	12810	12470	12226	12237	12241	12137	12326	12588	12904	12700	12802	13343	14475	15051	15507	15665	15991	16188	16268	16064	15859	15806	16166	16425	16795	16943	17019	17111	17166	16889	16337	15909	15766	16435	16963	16887	16749	16612	16434	16244	15952	15662	15279	
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		-96	-97	-27	-29	-30	-27	-31	-28	-28	-28	-28	-28	-29	-28	-30	-98	-98	-97	-99	-98	-96	-98	-99	-96	-98	-96	-98	-97	-99	-98	-98	-97	-97	-98	-98	-98	-98	-99	-97	-100	-99	-98	-99	-97	-97	-29	-29	-27	
TIE-PLTG		84	94	34	37	10	40	48	33	22	25	95	60	14	66	36	120	102	57	82	80	56	55	70	83	99	111	92	68	106	118	153	129	129	107	168	148	156	97	156	139	112	136	135	126	143	55	31	48	
Interconnection		-12	-2	7	8	-20	13	5	-6	-3	28	31	-15	38	6	21	4	-40	-17	-19	-40	-43	-29	-13	2	14	-5	-7	-29	7	20	55	32	33	9	71	50	58	-2	59	38	14	38	36	29	46	26	2	21	
System Total		14194	13774	13615	13215	12979	12797	12453	12221	12243	12244	12138	12369	12595	12603	12866	12694	12781	13339	14515	15068	15526	15705	16034	16217	16281	16062	15845	15713	16195	16418	16775	16888	16987	17078	17157	16818	16287	15851	15768	16376	16925	16873	16711	16576	16405	16198	15926	15660	15258
S.Rev ST-Coal		179	436	557	559	575	548	600	568	593	588	575	574	573	567	569	567	572	493	255	202	179	204	204	210	195	200	208	203	206	200	242	254	210	204	211	208	216	189	168	202	192	193	202	184	192	192	188	180	
S.Rev CCGT-Gas		1739	1784	1628	1966	1953	2087	2356	2658	2696	2686	2799	2677	2409	2257	2623	2599	2389	2112	1996	1699	1650	1357	1269	1300	1522	1807	1846	1389	1234	804	780	694	608	518	706	931	1106	1028	513	217	294	349	442	399	530	581	734	880	
S.Rev 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		
S.Rev 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		
S.Rev 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		
S.Rev 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		
Syncon		829	679	678	829	829	829	829	829	829	829	829	829	829	829	678	829	829	829	678	829	829	829	829	829	829	829	829	829	642	491	340	428	428	428	428	428	428	615	428	428	428	428	428	428	428	579	730		
Hydro		110	121	238	111	110	109	113	113	109	112	120	281	288	129	262	130	131	133	129	105	112	111	97	199	112	111	111	109	165	291	240	205	119	48	164	389	397	182	298	176	380	462	449	325	316	378	308	175	
S.Reserve Total		2944	3107	3188	3552	3554	3660	3985	4255	4314	4302	4410	4448	4186	3869	4219	4212	4008	3654	3145	2922	2857	2588	2486	2438	2745	3034	3081	2617	2334	1873	1689	1581	1365	1198	1509	1956	2147	2014	1407	1023	1294	1432	1521	1336	1466	1579	1809	1965	