

Daily System Generation Summary on Friday

Friday, November 11, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,312 MW
Distillate	0 MW
Total TNB	2,312 MW
Total IPP	20,344 MW
Total Co-Gen	0 MW
Total System	25,349 MW

Generation Mix

Type	MWh	Percentage
Hydro	20,313	5.73 %
Gas	57,588	16.24 %
Total TNB	77,901	21.97 %
ST-Coal	164,921	46.51 %
ST-Gas	7,373	2.08 %
LSS	3,715	1.05 %
Gas	99,630	28.10 %
Total IPP	275,639	77.73 %
Co-Gen	729	0.21 %
Total Co-Gen	729	0.21 %
Total Generation	354,269	99.91 %
PLTG	353	0.10 %
HVDC	-675	-0.19 %
Interconnection	-322	-0.09 %
Net Energy	354,591	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:	16:00:00 Hour
Total Set On Bus	18,275 MW
TNB Generation	3,479 MW
IPP Generation	12,978 MW
Spinning Reserve	1,765 MW
Maximum Demand	16,543 MW
Net Energy	354,591 MWH
Load Factor	89.31 %

Fuel Cost

Total Cost:	113,843,791.45 RM
Cost per Unit	32.13 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	772
Hydro	371
Syncon	545
Thermal	552
Total	2,240

Time	Weather	Temperature
Afternoon	Rainy	31
Morning	Rainy	23

Gas Usage

Station	(mmcsfd)
GLGR	48
TJGS	172
Total TNB	220
CBPS	46
EMPP	276
NPRI	140
PCGP	85
PKLG	70
PLPS	68
SKSP	47
SPGP	170
Total IPP	902
Total Gas	1,122
Total Gas Required	1,122

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	14114	13460	13074	12678	12540	12422	12749	12920	13167	14834	15566	16052	16135	16140	15971	16463	16543	16286	15678	15998	15979	15650	15154	14607

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, December 5, 2022 11:52:34 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Friday

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	214	213	213	215	214	213	214	214	212	213	213	214	214	213	214	213	213	213	213	213	213	213	213	213	214	213	363	635	706	704	604	347	210	214	214																
JMHE	U001	900	900	850	834	850	843	849	854	802	800	804	800	798	799	797	801	801	948	978	976	974	976	975	976	974	975	1013	973	978	979	976	977	979	976	976	979	978	980	974	978	978	980	973	980	975	975	975	975			
JMHE	U002	900	900	850	850	850	846	847	850	802	800	801	800	798	798	796	805	800	938	978	979	975	976	974	978	975	976	1019	973	979	980	977	977	980	977	977	980	976	981	974	981	978	980	976	984	979	978	975	977			
JMJG	U001	669	668	668	667	671	666	672	664	666	670	668	670	668	667	666	667	668	668	668	667	667	668	667	666	667	669	668	668	668	671	666	671	670	669	666	667	666	668	667	633	512	517	519	541	619	673	667	670			
JMJG	U002	670	675	673	674	678	674	671	674	677	677	673	675	672	678	677	676	675	675	673	680	674	676	674	673	673	674	673	675	676	671	672	678	669	673	677	669	673	677	669	673	677	672	619	478	457	461	461	464	507	544	686
JMJG	U003	669	662	671	669	660	675	665	671	665	669	666	672	667	665	671	666	670	663	675	663	671	667	669	665	672	663	673	669	667	670	668	669	669	668	657	683	646	678	663	0	0	0	0	0	0	0	0	0	0		
JMJG	U004	942	902	890	854	853	851	854	837	805	807	807	807	805	808	805	808	809	851	906	967	979	977	980	978	976	982	983	979	977	980	982	978	978	982	977	978	977	979	981	980	977	981	977	980	978	980	978	978	978		
JMJG	U005	895	899	871	849	853	850	854	814	801	800	799	804	801	799	803	803	873	945	979	980	976	978	977	977	978	974	976	976	977	976	977	977	973	978	975	974	975	977	974	975	974	972	972	977	972	972	975				
PKLG	U003	151	151	151	151	150	150	152	151	150	151	151	151	150	150	150	150	150	150	150	150	149	149	150	150	135	149	152	152	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150			
PKLG	U005	269	267	269	267	268	268	271	269	268	268	269	269	269	269	267	269	269	268	268	271	269	267	268	269	273	271	269	271	267	269	268	272	267	268	268	269	269	268	269	268	269	269	270	271	269	268	268				
TBIN	U001	212	212	211	211	212	211	211	212	212	210	211	213	211	211	210	211	211	210	211	211	211	210	212	210	210	212	211	210	212	210	212	211	210	210	211	211	211	211	211	212	211	209	211	210	210	210	210				
TBIN	U002	212	214	211	214	212	213	212	212	214	213	214	213	213	212	213	212	214	212	213	213	213	213	211	212	212	216	213	212	213	212	213	212	213	213	212	212	213	325	495	593	468	264	209	212	212	212					
TBIN	U003	214	213	213	213	214	214	212	213	213	213	215	214	213	213	213	215	213	212	213	212	214	213	212	212	213	211	214	212	213	213	213	213	213	213	213	213	211	211	211	213	212	212	212	213	212	213					
Total ST-Coal		6917	6876	6741	6668	6685	6674	6684	6635	6487	6491	6491	6501	6479	6483	6482	6496	6498	6882	7092	7182	7193	7183	7186	7180	7181	7182	7276	7184	7191	7185	7184	7204	7192	7191	7168	7206	7167	7207	7172	6588	6702	6931	7016	6834	6443	6352	6378	6528			
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				
PKLG	U006	269	269	268	268	268	268	268	268	269	269	269	269	269	268	268	268	268	268	268	269	270	269	269	268	268	269	268	268	268	269	332	418	449	450	450	448	383	297	269	320	403	444	450	436	338	266	269	269	269		
Total ST-Gas		269	269	268	268	268	268	268	268	269	269	269	269	269	268	268	268	268	268	268	269	270	269	269	268	268	268	268	268	269	332	418	449	450	450	448	383	297	269	320	403	444	450	436	338	266	269	269	269			
CBPS	BLK2	201	197	201	200	196	197	191	201	202	201	201	199	201	195	196	201	202	202	325	360	361	357	361	355	311	218	356	361	362	360	361	361	361	361	362	361	361	358	364	361	363	359	343	349	352	358	355	356			
EMPP	BLK1	624	408	410	410	408	405	397	410	411	410	410	411	408	410	408	405	411	499	701	463	698	710	690	710	686	684	723	694	701	711	704	711	705	710	709	712	711	698	709	711	714	697	663	678	679	711	687	699			
EMPP	BLK2	693	695	419	410	407	405	396	410	411	410	410	411	408	411	408	406	492	710	710	694	702	709	711	710	686	687	727	691	708	710	705	707	710	711	710	712	709	698	709	710	714	699	663	679	676	711	687	696			
EMPP	BLK3	710	694	708	629	469	405	396	417	442	417	428	410	408	589	532	405	529	711	710	710	708	709	710	710	686	687	727	690	709	710	705	706	711	711	710	712	710	698	709	710	715	699	663	678	677	712	687	696			
GLGR	GT01	66	66	68	66	66	65	66	66	67	66	67	68	65	67	66	67	66	67	67	65	66	68	64	67	65	65	69	105	105	106	103	67	66	67	66	66	94	109	110	110	96	64	66	67	66	65					
GLGR	GT02	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	65	66	65	67	105	104	103	104	104	65	65	65	66	65	66	66	95	109	109	109	93	65	66	66	66	66				
GLGR	ST1C	70	70	70	70	70	70	70	70	70	70	71	70	69	70	70	70	70	70	71	70	71	71	71	71	71	71	92	94	95	94	78	70	70	71	71	71	71	71	83	99	99	98	92	72	70	71	70	70			
NPRI	BLK1	315	304	311	309	303	302	296	311	311	311	311	310	307	311	301	304	311	310	377	516	515	517	511	517	509	509	524	509	517	518	543	547	548	548	550	519	518	515	521	519	521	514	492	501	504	512	508	509			
NPRI	BLK2	307	303	308	308	302	302	293	310	308	308	309	308	305	309	301	300	309	310	308	518	516	520	512	517	511	510	527	509	517	518	514	517	518	518	515	520	517	514	520	517	521	514	492	502	504	512	507	511			
PCGP	PGRG	593	584	604	600	591	489	383	401	403	401	403	400	497	603	591	589	604	602	600	603	598	601	596	602	590	590	644	590	601	605	599	603	606	608	601	605	600	598	606	603	610	600	569	579	584	599	590	593			
PLPS	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	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0				
PLPS	GT13	124	124	124	124	125	124	125	124	124	124	124	124	124	124	124	125	124	124	124	124	124	119	123	106	105	115	103	107	129	127	112	113	136	137	136	112	113	136	138	141	136	128	108	64	64	56	56				
PLPS	ST18	59	59	59	59	59	58	59	59	58	59	59	58	59	59	59	59	59	58	59	60	59	59	73	132	130	131	133	132	207	208	198	195	209	209	209	209	195	198	210	209	212	210</									

Daily MW Generation on Friday

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	HY03	10	10	10	10	10	10	10	10	9	9	9	9	9	8	8	8	8	8	7	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	65	-1	-1	-1
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	65	65	-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	24	24	0	0
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	25	24	24
KNRG	HY03	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	38	38	38	38	38	37	21	21	21
KNYR	HY01	101	100	101	101	101	101	101	101	101	101	101	101	101	101	101	100	101	101	101	101	101	100	100	100
KNYR	HY02	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	102	103	103	103	103	102	103	103	103
KNYR	HY03	100	99	99	99	98	97	97	97	97	98	98	99	99	100	100	99	99	99	99	98	97	97	96	96
KNYR	HY04	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	100	101	101	101	101	101	101	101	101
LPJA	HY01	23	23	23	23	23	23	23	21	21	21	21	21	21	21	21	22	22	23	23	23	23	23	23	23
LPJA	HY02	23	23	23	23	23	23	21	21	21	21	21	21	21	21	21	22	22	22	22	22	22	22	22	22
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	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	45	82	149	150	150	82	82	82
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	83	83	146	150	150	83	83	83	83
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	20	0	0
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	50	50	50	50	50	31	31
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	51	50	50	50	51
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	25	17	17
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	25	17	17
TMGR	HY01	-1	-1	-1	-1	-1	-1	0	-1	0	-1	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	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
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	57	40	46	42	40	43	40	46	65	46	54	41	49	64	41	40	41	54	61	42	62	76	71	78
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	90	92	93	183
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		605	586	593	589	586	587	607	587	607	587	618	584	601	616	592	592	594	638	646	648	776	923	1177	1206
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	1	5	8	13	11	21	22	30	29	5	9
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	7	7	7	8	7	1	1	6	10
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	9	10	12	15	13	9	8	17	21
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	13	20	25	29	26	24	17	27	33
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	6	10	24	16	8	10	16	20	27
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	3	7	6	16	18	6
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	11	13	20	17	17	30	18	14	38
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	6	12	15	20	17	11	12	26	27
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	13	22	27	32	19	34	26	15	27
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	10	34	25	33	50	52	31	42	76	69
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8	11	16	20	32	14	20	27	32
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	10	13	18	15	15	14	13	22
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	15	26	18	46	47	41	70	63	77
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	17	13	18	19	28	26	21	18
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	18	11	16	16	20	49	39	18	19

Daily MW Generation on Friday

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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