

Daily System Generation Summary on Friday

Friday, August 26, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,512 MW
Distillate	0 MW
Total TNB	2,512 MW
Total IPP	20,145 MW
Total Co-Gen	0 MW
Total System	25,918 MW

Generation Mix

Type	MWh	Percentage
Hydro	22,598	6.30 %
Gas	50,078	13.96 %
Total TNB	72,676	20.26 %
ST-Coal	163,795	45.65 %
ST-Gas	7,288	2.03 %
LSS	4,766	1.33 %
Gas	109,299	30.47 %
Total IPP	285,148	79.48 %
Co-Gen	887	0.25 %
Total Co-Gen	887	0.25 %
Total Generation	358,711	99.98 %
PLTG	1,464	0.41 %
HVDC	-1,522	-0.42 %
Interconnection	-58	-0.02 %
Net Energy	358,769	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	17,977 MW
TNB Generation	3,673 MW
IPP Generation	12,970 MW
Spinning Reserve	1,290 MW
Maximum Demand	16,715 MW
Net Energy	358,769 MWH
Load Factor	89.43 %

Fuel Cost

Total Cost:	106,590,349.49 RM
Cost per Unit	29.71 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	442
Hydro	407
Syncon	405
Thermal	444
Total	1,698

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Rainy	24

Gas Usage

Station	(mmscfd)
GLGR	49
TJGS	98
Total TNB	147
CBPS	45
EMPP	310
NPRI	159
PCGP	88
PGLA	97
SPGP	187
PKLG	70
Total IPP	957
Total Gas	1,104
Total Gas Required	1,104

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	14685	13949	13499	13058	12827	12661	12911	13163	13410	14838	15589	16018	15883	15672	15866	16523	16715	16371	15447	15501	16453	16201	15729	15473

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, September 2, 2022 5:52:57 PM
(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Friday

		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	214	213	214	214	214	214	215	213	213	214	214	213	213	215	215	213	216	214	214	213	214	214	214	214	216	213	215	214	214	214	214	214	214	214	213	214	213	213	214	213	213	215	214	214	214	213	212			
JMAH	U002	214	214	215	217	213	214	214	213	214	214	214	213	214	214	214	214	214	215	213	215	213	214	214	213	214	214	216	213	214	214	214	213	213	214	213	214	213	214	214	214	214	214	215	215	213	214				
JMHE	U002	983	978	900	899	900	848	848	848	850	850	852	847	848	853	849	853	852	853	846	911	979	979	982	980	982	980	974	974	978	981	1000	1002	981	978	975	980	975	978	979	982	980	975	979	975	979	978	981	978		
JMJG	U001	671	666	586	506	420	420	420	415	422	415	416	416	418	450	507	580	659	688	674	672	669	670	672	664	576	575	666	673	673	674	669	668	674	670	668	672	669	665	666	667	668	662	667	661	667	667	666	668		
JMJG	U002	670	669	673	669	582	512	422	422	422	423	421	420	421	425	420	475	553	642	673	674	671	672	679	670	673	672	674	677	673	675	672	672	672	673	678	675	673	673	673	673	675	667	673	673	673	673				
JMJG	U003	664	664	666	667	662	603	606	551	469	408	414	416	414	416	414	416	455	523	565	574	613	667	667	665	666	667	671	667	671	671	670	667	664	672	666	667	670	662	669	667	667	663	669	666	666	668	668			
JMJG	U004	972	970	942	903	867	857	853	854	855	857	856	854	856	854	854	854	855	867	926	980	980	979	979	978	980	981	980	980	980	982	978	977	979	978	977	982	981	977	981	979	980	980	978	980	982	978	977			
JMJG	U005	980	982	916	907	848	852	848	851	850	849	850	849	849	848	850	851	850	849	878	957	983	983	982	980	981	977	980	980	981	979	976	983	972	981	979	981	983	982	980	978	985	981	980	983	976	983	982	976		
PKLG	U004	149	147	149	148	149	149	151	150	146	150	147	148	152	149	148	150	150	147	149	150	153	151	150	148	148	149	147	152	148	149	150	150	148	148	149	149	151	151	149	148	146	151	151	150	150	149	151			
TBIN	U001	211	211	209	210	211	211	210	210	209	211	211	210	211	210	211	210	211	211	211	211	210	210	211	211	211	211	211	211	211	210	212	212	213	211	210	212	210	212	209	211	211	211	210	212	210	211	211	212		
TBIN	U002	212	212	212	212	212	213	212	213	211	213	211	212	211	212	213	211	212	283	201	212	283	604	702	704	702	701	702	703	702	700	701	702	701	706	701	700	701	702	701	706	705	701	705	702	703	702	701	657	399	229
TBIN	U004	936	935	904	903	854	853	854	853	854	855	854	854	853	853	852	854	850	854	877	939	938	941	935	935	936	936	935	936	936	932	941	938	939	936	938	940	939	938	938	938	938	940	939	938	939	936	937	940		
Total ST-Coal		6876	6861	6586	6455	6132	5946	5853	5793	5713	5658	5663	5652	5659	5696	5753	5827	5995	6246	6638	7118	7325	7384	7379	7369	7275	7277	7369	7374	7388	7379	7400	7404	7374	7379	7361	7380	7377	7374	7379	7376	7381	7359	7380	7367	7372	7327	7070	6898		
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		
PKLG	U006	269	267	269	269	269	268	269	268	268	268	269	269	268	268	268	268	269	269	268	269	268	268	268	268	268	268	268	269	269	324	404	446	448	449	434	336	267	269	290	377	406	406	406	406	319	269	269			
Total ST-Gas		269	267	269	269	269	268	269	268	268	268	269	269	268	268	268	268	269	269	268	268	268	268	268	268	268	268	268	269	269	324	404	446	448	449	434	336	267	269	290	377	406	406	406	406	319	269	269			
CBPS	BLK2	286	282	286	281	286	285	261	202	202	203	202	234	287	281	285	288	288	289	286	287	291	288	289	290	288	294	300	298	302	302	298	299	302	302	295	299	299	303	302	306	298	298	296	292	286	298	297	296		
EMPP	BLK1	692	688	706	692	711	709	695	709	710	710	709	709	717	720	711	711	714	701	690	709	687	693	689	688	696	688	709	694	709	693	693	710	683	711	705	709	708	713	707	700	692	699	678	706	706	693				
EMPP	BLK2	709	703	711	706	711	710	708	710	711	711	709	710	717	720	711	711	711	714	705	705	709	702	707	704	703	708	703	711	708	710	706	707	708	710	699	711	709	710	711	714	711	707	707	705	693	711	714	707		
EMPP	BLK3	694	688	711	693	710	709	694	710	711	711	710	710	718	719	711	711	711	714	693	689	710	685	693	690	688	694	690	709	696	709	694	693	708	710	684	712	704	710	707	714	710	709	693	696	678	708	705	694		
GLGR	GT01	66	67	68	66	68	67	66	67	67	66	67	66	67	67	66	66	68	67	65	65	66	65	92	89	97	66	66	67	66	68	105	105	103	104	103	102	65	67	67	107	103	104	103	103	66	66	66			
GLGR	GT02	66	66	66	66	66	67	66	66	67	66	66	67	67	67	67	67	67	66	67	66	66	66	66	65	65	65	66	65	105	103	103	103	103	100	65	65	66	104	103	103	103	103	65	66	66					
GLGR	ST1C	70	70	71	70	71	70	71	70	71	70	70	71	70	70	70	70	70	83	82	85	73	61	71	71	70	90	95	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	71					
NPRI	BLK1	522	521	529	521	529	528	526	528	398	398	399	398	463	526	514	512	515	521	507	509	512	506	510	511	507	509	508	512	511	518	508	511	516	517	506	512	511	515	515	520	512	512	511	507	499	514	514	512		
NPRI	BLK2	514	506	528	512	530	527	517	385	523	461	446	519	535	538	524	522	526	529	509	492	517	505	502	460	464	509	478	522	508	524	507	506	521	524	501	520	517	526	524	530	520	522	505	514	498	517	515	496		
PCGP	PGRG	596	586	603	590	607	602	596	602	604	601	603	601	619	621	601	599	606	611	588	586	597	582	589	590	581	593	591	596	593	603	588	592	603	602	580	597	594	604	603	612	595	598	593	587	570	601	596	594		
PGLA	GT11	217	137	135	135	135	135	136	136	136	136	137	136	136	136	136	136	135	135	134	134	134	187	220	216	215	136	135	134	153	218	217	215	218	218	214	217	133	135	190	219	217	217	217	213	219	217	217			
PGLA	GT12	220	141	139	140	140	140	139	140	139	140	139	139	139	139	139	139	139	137	138	138	137	190	218	218	218	218	138	138	157	223	220	220	223	222	218	220	137	139	193	223	221	221	220	218	221	221	222			
PGLA	ST10	234	174	180	180	180	179	179	179	179	179	179	179	179	179	179	179	180	180	179	179	179	179	211	237	235	232	173	179	183	235	234	235	233	235	235	184	180	214	237	236	235	235	234	232	234	235	233			
SPGP	BLK1	716	713	721	714	722	720	715	721	721	722	723	723	727	734	725	723	724	726	717	709	720	713	713	714	710	717	713	719	716	722	715	708	721	722	709	545	706	718	716	715	714	713	710	711	695	712	713	711		
SPGP	BLK2	550	550	549	548	550	548	550	549	550	548	549	549	549	551	550	550	550	548	548	547	547	548	550	549	550	549	549	548	547	549	548	547	549	548	550	549														

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
KNRG	HY02	24	0	0	0	0	0	0	0	0	0	0	37	37	37	37	37	37	37	37	37	37	37	37	37
KNRG	HY03	22	22	23	22	23	22	23	23	23	24	24	23	23	35	35	35	35	35	35	35	35	35	35	35
KNYR	HY01	100	100	100	100	100	101	100	101	101	101	101	101	100	100	100	100	100	101	101	101	101	101	100	101
KNYR	HY02	104	104	104	104	105	105	105	105	105	105	105	105	105	105	105	105	105	105	104	104	104	104	105	104
KNYR	HY03	104	104	104	104	103	103	103	102	102	103	103	103	104	104	104	104	104	104	104	103	103	103	102	104
KNYR	HY04	101	101	101	101	102	102	102	102	102	102	103	103	102	102	102	102	102	102	102	102	102	102	102	102
LPJA	HY01	16	16	16	16	16	16	16	16	16	16	16	16	18	18	18	18	18	18	18	18	18	17	17	17
LPJA	HY02	15	15	15	15	15	15	15	15	15	15	15	15	17	17	17	17	17	17	17	17	17	17	17	17
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	-1	-1	-1	-1	-1	-1	-1	-1	20	21	21	20	20	20	20	20	20	19	19
PGAU	HY02	-1	-1	-1	-1	-1	6	19	-1	-1	-1	-1	6	13	-1	-1	-1	-1	-1	-1	4	11	-1	-1	-1
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	51	51	51	31	31
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	50	30	30
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	50	50	50
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	25	25
TMGR	HY01	-1	-1	-1	-1	-1	0	-1	-1	0	-1	-1	-1	-1	0	81	81	82	82	82	82	-1	-1	-1	-1
TMGR	HY02	34	2	0	0	0	0	0	0	0	0	0	0	0	0	87	86	86	86	87	36	37	36	37	37
TMGR	HY03	40	40	55	40	82	79	41	49	50	41	41	83	84	41	41	71	82	81	41	45	39	57	42	38
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	82	81	82	44	40	53	41	40	41	49	66
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	86	86	90	84	-1	-1	-1	-1	-1
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	179	87	92	94	86
UPIA	HY01	5	4	5	4	5	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		689	569	584	567	612	609	569	585	599	572	573	572	616	625	587	576	627	1030	1100	1059	1031	1019	876	848
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	1	1	3	6	11	11	16	23	20	20
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	6	10	11	25	22	27	21	31
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	13	10	10	13	5	17	14	10	13
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	5	5	7	12	13	14	18
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	4	5	6	8	12	16	16
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	11	15	24	25	39	47	50
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	8	12	19	15	20	30	29
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	9	6	6	6	11	5	6	9
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	11	16	25	29	65	67	72	67	89
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	7	18	18	23	32	25	29	29
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	5	8	15	19	21	25	18	26
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	20	23	22	29	37	63	75
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	7	8	9	11	20	22	29
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	10	18	20	33	27	21	28
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	9	16	31	34	50	69	49	66
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	14	77	93	113	113	115
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	4	7	15	32	31	30	52
SSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	9	15	34	23	24	35	41	26
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	7	13	12	15	14	19	16

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	
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	3	30	24	21	20	12	14	22	5	2	3	3	10	11	8	5	4	2	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	7	42	94	157	231	311	469	571	645	738	744	819	739	642	642	564	474	404	389	342	236	172	92	17	2	0	0	0	0	0	0	0	0
PCUF	CUFG	23	22	21	21	22	21	21	22	20	21	20	20	19	21	19	21	20	21	19	18	22	22	22	22	22	20	20	19	20	19	19	23	21	22	22	22	24	25	24	24	25	23	25	25	24	24	22	
PCUF	CUFK	23	20	4	4	5	5	5	4	4	5	4	5	5	6	5	4	5	4	20	21	21	21	22	21	22	23	22	21	22	21	21	21	21	21	20	20	21	22	23	21	22	21	21	22	22	22		
Total Co-Gen		46	42	25	25	27	26	26	26	24	26	24	24	24	26	25	26	24	56	23	38	43	43	43	43	43	43	42	40	42	40	40	44	42	43	42	42	45	47	47	45	47	44	46	46	46	46	44	
Total Gen		14714	14228	13917	13682	13508	13300	13088	12899	12845	12697	12689	12747	12957	13241	13139	13410	14288	14772	15264	15625	15870	16008	15985	15888	15707	15620	15689	15847	16264	16540	16653	16687	16648	16384	15897	15469	15292	15482	16275	16418	16342	16197	16015	15703	15580	15479	15136	
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	0	
TIE-HVDC		-30	-29	-31	-28	-30	-31	-30	-28	-28	-28	-30	-28	-28	-28	-30	-28	-31	-30	-99	-98	-100	-97	-98	-97	-98	-99	-97	-100	-99	-97	-98	-99	-97	-98	-97	-97	-98	-100	-96	-98	-98	-95	-28	-28	-28	-28	-29	
TIE-PLTG		59	36	-2	61	39	22	60	59	46	52	58	109	74	43	36	26	28	-2	-36	84	135	121	87	108	102	81	47	90	81	37	114	76	70	74	111	88	119	90	81	27	63	96	92	27	3	4	34	18
Interconnection		29	7	-32	33	9	-9	30	30	18	24	28	81	46	15	8	-4	0	-32	-66	-15	36	21	-10	11	5	-16	-52	-7	-19	-62	17	-21	-28	-23	13	-9	22	-8	-19	-69	-35	-2	-4	-2	-26	-24	6	-10
System Total		14685	14221	13949	13649	13499	13309	13058	12869	12827	12673	12661	12666	12911	13226	13163	13143	13410	14320	14838	15279	15589	15849	16018	15974	15883	15723	15672	15696	15866	16326	16523	16674	16715	16671	16371	15906	15447	15300	15501	16344	16453	16344	16201	16017	15729	15604	15473	15146
SRev ST-Coal		456	467	709	754	862	904	903	905	903	903	903	907	905	905	906	905	870	836	807	583	416	364	368	377	426	426	378	373	362	370	346	345	377	367	382	369	370	377	368	371	365	383	370	383	377	423	445	449
SRev CCGT-Gas		417	762	798	885	783	800	880	1024	1010	1078	1091	1021	871	635	713	816	798	628	665	702	605	564	380	440	446	647	828	717	732	472	470	337	253	247	397	447	653	746	431	215	281	285	341	336	460	375	384	439
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	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		44	45	44	44	44	44	45	44	44	44	45	45	44	44	44	44	45	45	44	45	44	44	44	44	44	44	44	45	45	45	39	-3	-5	-6	9	44	44	45	60	66	37	37	37	37	44	44	44	
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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Syncon		848	848	848	848	848	848	848	609	697	848	760	848	848	697	697	848	827	464	464	464	464	464	651	651	739	739	739	739	651	651	126	126	277	277	0	651	651	651	651	277	151	151	277	464	651	739	552	739
Hydro		187	179	77	94	49	52	92	228	213	89	89	89	45	187	225	85	190	278	295	336	364	376	332	360	361	349	422	388	219	280	527	541	386	421	874	282	264	199	258	408	413	494	475	339	345	333	305	232
S.Reserve Total		1952	2301	2476	2625	2586	2648	2768	2897	2867	2962	2975	2910	2713	2468	2585	2698	2730	2338	2275	2130	1894	1812	1775	1872	2016	2205	2411	2261	2009	1818	1514	1388	1290	1307	1647	1758	1982	2017	1753	1331	1276	1350	1500	1559	1870	1914	1730	1903