

Daily System Generation Summary on Friday

Friday, February 25, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,338 MW
Distillate	0 MW
Total TNB	2,338 MW
Total IPP	16,487 MW
Total Co-Gen	0 MW
Total System	23,104 MW

Generation Mix

Type	MWh	Percentage
Hydro	14,879	4.24 %
Gas	68,211	19.43 %
Total TNB	83,090	23.67 %
ST-Coal	192,053	54.72 %
LSS	1,935	0.55 %
Gas	72,762	20.73 %
Total IPP	266,750	76.00 %
Co-Gen	1,283	0.37 %
Total Co-Gen	1,283	0.37 %
Total Generation	351,123	100.04 %
PLTG	-590	-0.17 %
HVDC	720	0.21 %
Interconnection	130	0.04 %
Net Energy	350,993	100.00 %

Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	17,924 MW
TNB Generation	4,165 MW
IPP Generation	12,179 MW
Spinning Reserve	1,524 MW
Maximum Demand	16,402 MW
Net Energy	350,993 MWH
Load Factor	89.16 %

Fuel Cost

Total Cost:	84,517,008.12 RM
Cost per Unit	24.07 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	308
Hydro	262
Syncon	537
Thermal	624
Total	1,731

Time Weather Temperature

Afternoon	Sunny	33
Morning	Cloudy	27

Gas Usage

Station	(mmcsfd)
GLGR	50
TJGS	187
Total TNB	238
CBPS	47
EMPP	197
PCGP	82
PGLA	52
PLPS	40
SKSP	56
SPGP	206
Total IPP	679
Total Gas	917
Total Gas Required	917

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	14073	13566	13170	12878	12535	12439	12553	12822	13275	14727	15546	15766	15632	15481	15779	16312	16402	16073	15332	15299	15870	15601	14915	14543

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, March 2, 2022 3:53:26 PM
(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	U001	598	505	404	408	409	358	357	353	354	354	355	354	354	354	406	405	403	454	405	408	406	405	406	405	403	455	454	455	454	455	504	505	524	555	486	455	405	456	511	482	454	404	360	358	358	355	355			
JMAH	U002	601	504	405	405	409	357	355	355	354	353	354	354	354	354	406	405	403	456	404	405	406	405	404	405	404	457	455	454	454	454	504	505	505	505	496	454	404	458	511	481	455	404	358	353	355	352	354			
JMHE	U001	901	896	899	901	884	801	799	799	803	800	801	799	802	800	802	803	801	800	888	945	929	931	934	931	931	929	927	931	931	932	931	932	929	931	930	930	930	928	929	928	928	926	928	928	929	934	928	932		
JMHE	U002	900	895	900	900	879	800	801	805	801	800	802	800	803	800	789	801	798	799	931	951	931	929	935	935	933	930	929	934	933	934	931	930	932	933	931	933	929	929	930	931	930	928	929	930	931	933	931	932		
JMJG	U001	543	497	497	495	497	493	498	498	497	500	497	497	497	497	498	500	531	618	678	646	643	645	646	645	647	650	623	614	616	670	672	669	673	668	673	668	649	644	651	651	649	647	649	643	598	597	595	540		
JMJG	U002	546	508	510	509	508	507	509	510	510	512	510	510	510	510	508	508	512	537	626	673	644	645	650	652	652	645	651	621	622	617	672	669	675	672	674	675	679	646	652	651	653	647	649	643	650	605	612	598	543	
JMJG	U004	919	901	899	840	806	805	805	803	806	805	804	806	807	804	804	803	825	906	901	931	929	928	927	927	926	927	929	929	929	929	927	926	926	931	928	933	932	887	851	850	849	842	852	853	852	851	852	850		
JMJG	U005	895	901	892	797	799	801	799	801	803	799	797	799	804	797	799	801	832	905	898	930	929	929	931	931	929	930	933	933	930	932	928	933	932	934	931	930	931	932	928	930	929	930	927	925	937	933	928	933		
PKLG	U004	166	153	154	150	158	155	150	154	151	156	157	157	161	155	153	156	174	265	277	276	280	277	276	276	275	271	273	276	274	273	278	276	275	277	276	275	276	275	272	274	272	274	277	275	206	204	181			
PKLG	U006	321	291	269	269	269	269	270	270	268	267	268	269	269	269	269	267	295	379	432	447	447	446	448	447	445	446	446	447	446	450	446	446	442	442	445	447	447	448	449	449	451	446	445	446	434	404	406	373		
TBIN	U001	595	501	499	499	499	449	357	349	350	350	349	350	349	349	401	399	399	397	499	450	450	449	450	449	449	450	494	552	548	548	598	598	598	596	599	549	498	499	498	597	548	496	448	449	354	349	349	349		
TBIN	U003	599	499	500	502	500	448	403	348	350	353	352	352	353	352	406	403	402	399	499	450	452	451	450	452	451	452	474	546	553	555	600	602	602	600	601	548	503	503	502	601	551	501	463	450	387	353	354	351		
TBIN	U004	900	902	900	842	803	803	804	804	802	804	802	803	803	804	804	804	801	852	938	934	933	931	931	932	932	934	932	932	932	932	932	932	933	934	932	934	932	934	932	934	935	936	932	930	936	933	933	934		
Total ST-Coal		8484	7953	7728	7517	7420	7046	6907	6849	6849	6853	6850	6849	6867	6841	6941	7061	7208	7701	8438	8417	8382	8380	8390	8386	8373	8377	8493	8625	8621	8735	8822	8929	8925	8947	8982	8809	8581	8441	8510	8818	8654	8482	8298	8199	7949	7818	7785	7627		
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	0		
CBPS	BLK2	223	215	227	228	225	226	220	218	221	221	221	223	224	222	217	219	226	369	354	360	365	365	317	347	225	224	224	268	362	361	363	363	362	366	366	359	366	361	361	362	364	357	359	354	355	364	355	364	355	360
EMPP	BLK2	711	703	710	711	709	709	711	710	710	710	710	713	709	701	707	710	716	590	599	601	599	481	605	601	599	600	596	601	606	600	601	602	606	604	601	603	600	601	630	709	705	711	701	692	711	698	710			
EMPP	BLK3	761	753	769	767	759	767	766	765	759	762	766	766	766	761	754	759	768	766	640	649	651	649	656	655	651	649	651	648	650	654	651	651	650	656	653	651	653	650	651	668	709	705	711	701	692	712	700	709		
GLGR	GT01	68	68	69	70	67	69	69	69	69	69	69	70	68	68	68	68	106	108	108	107	108	109	108	67	68	67	68	68	103	109	109	110	108	91	70	69	69	70	87	108	107	108	107	97	76	68	70			
GLGR	GT02	67	67	67	68	68	68	68	68	68	68	68	68	68	68	68	68	106	107	107	107	107	105	66	67	67	68	68	102	107	107	110	107	107	90	67	68	68	68	86	108	107	107	108	94	74	68	68			
GLGR	ST1C	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	70	89	95	95	96	96	96	73	71	71	70	71	71	71	71	71	95	96	96	90	71	71	71	79	95	95	94	95	90	80	72	70		
PCGP	PGRG	261	351	499	502	494	601	602	603	496	350	351	353	355	599	541	589	604	607	585	591	599	602	611	605	603	601	603	592	601	606	603	604	603	609	603	604	608	604	601	602	595	599	601	587	586	603	591	600		
PGLA	GT11	157	156	160	159	157	159	160	158	157	159	159	159	158	156	155	159	161	155	157	223	222	225	222	222	222	222	222	222	222	222	222	222	222	223	223	222	224	223	223	224	222	223	224	220	221	224	222	159		
PGLA	ST10	88	88	88	88	88	88	88	87	87	87	88	87	88	88	88	88	88	87	87	113	113	114	114	114	114	114	114	113	114	114	114	114	116	114	114	114	115	114	115	113	112	112	111	110	111	110	87			
PLPS	GT11	140	136	136	139	139	139	138	139	138	138	138	138	139	139	139	139	139	150	150	150	149	150	149	149	149	129	128	128	129	150	150	149	148	149	128	129	129	129	150	149	150	150	149	150	128	129	129			
PLPS	GT13	136	133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	ST18	143	143	60	60	59	58	58	58	59	58	58	58	58	58	58	58	61	60	60	59	59	59	59	59	56	57	56	56	59	59	58	59	59	55	57	57	59	59	60	59	59	59	53	57	56					
SKSP	BLK1	300	298	310	321	299	322	331	299	299	300	295	313	327	298	299	299	307	337	299	297	322	339	337	321	331	304	327	315	334	340	339	341	341	343	241	256	237	238	274	337	338	336	335	334	330	306	226			
SPGP	BLK1	650	725	724	722	724	724	724	724	724	725	724	724	725	725	722	725	725	725	723	724	724	726	725	726	725	725	725	725	726	721	719	716	715	717	717	715	714	721	725	726	724	726	726	725	725	726	729	727		
SPGP	BLK2	646	710	721	719	714	721	717	720	713	720	720	720	722	715	707	707	719	727	704	715	724	726	733	721	728	724	724	717	723	719	718	713	715	713	699	698	711	71												

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
KNYR	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
KNYR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNYR	HY04	61	59	72	77	61	85	93	59	56	65	62	75	86	60	59	100	102	58	80	100	98	99	94	102
LPIA	HY01	16	16	16	16	16	15	15	15	14	14	14	14	14	14	17	17	17	17	18	18	18	19	19	19
LPIA	HY02	16	16	16	16	16	16	16	16	14	14	14	14	14	14	14	17	17	17	17	18	19	19	19	19
MNOR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	2
PGAU	HY01	21	21	21	21	21	21	21	21	21	21	21	149	149	149	149	148	149	111	111	111	111	151	151	151
PGAU	HY03	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	HY04	21	21	21	21	21	21	0	0	0	0	0	0	0	98	135	111	111	110	110	111	111	150	151	150
SIHY	HY01	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	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
SIHY	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
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	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
SYPS	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
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	-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	HY04	42	38	51	59	42	67	75	42	40	50	45	55	72	41	38	41	53	83	38	41	70	85	85	51
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	91	183	107	149	116	101	99	112
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	70	86	88	92	94	120	120	120
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		292	265	291	304	271	319	291	222	217	234	226	250	278	409	403	433	432	633	659	625	677	783	903	850
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
GELS	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
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
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
PCUF	CUFG	28	27	28	28	28	28	27	28	27	27	27	27	27	28	27	27	26	26	26	26	26	29	28	28
PCUF	CUFK	26	26	25	27	26	26	27	26	26	26	25	26	26	23	27	25	26	23	26	30	28	26	25	25
Total Co-Gen		54	53	53	55	54	54	55	53	54	53	52	53	53	52	53	51	54	52	52	49	52	56	54	52
Total Gen		14103	13740	13535	13351	13170	12991	12825	12663	12538	12430	12419	12466	12535	12833	12834	13053	13270	14279	14761	15082	15508	15641	15689	15778
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

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																									
TIE-HVDC		30	30	29	29	29	29	30	30	30	30	30	29	30	30	30	31	31	29	29	31	31	29	29	31	31																								
TIE-PLTG		0	-25	-60	-92	-29	-49	-83	-54	-27	-51	-50	-43	-47	19	-18	-16	-35	-42	5	-44	-69	-45	-107	-82	-46	-41	-22	33	8	-56	-47	-32	-33	3	15	67	31	28	33	54	69	12	-27	-36	-35	-23	-4	-87	
Interconnection		30	5	-31	-62	0	-20	-53	-24	3	-21	-20	-13	-18	49	12	14	-5	-12	34	-15	-38	-15	-77	-52	-16	-10	9	64	38	-25	-17	-2	-2	33	45	98	61	58	62	83	98	43	4	-6	-6	6	27	-56	
System Total		14073	13735	13566	13413	13170	13011	12878	12687	12535	12451	12439	12479	12553	12784	12822	13039	13275	14291	14727	15097	15546	15656	15766	15830	15632	15503	15481	15639	15779	16145	16312	16367	16402	16316	16073	15662	15332	15186	15299	15777	15870	15733	15601	15246	14915	14725	14543	14381	
SRev ST-Coal		907	906	923	982	985	981	981	987	979	982	982	986	980	983	981	985	984	948	771	612	653	651	640	643	657	654	708	695	700	596	604	599	603	597	596	590	649	669	564	561	568	583	581	577	625	671	683	682	
SRev CCGT-Gas		1514	1310	1112	1098	1139	1001	997	1032	1144	1277	1280	1256	1234	1034	1121	1059	1009	726	936	584	246	231	380	263	481	511	511	500	366	270	237	241	238	227	392	475	467	466	419	254	132	138	122	174	211	232	321	455	
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	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	0	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	0	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	0	0
Syncon		878	878	878	878	878	878	878	878	878	878	878	878	878	777	777	777	878	691	691	691	691	504	504	416	416	504	504	504	504	504	504	504	504	504	504	378	378	691	691	691	691	504	504	504	691	691	878	878	878
Hydro		508	385	359	346	379	331	209	278	283	266	274	250	222	192	198	168	68	209	283	317	265	346	226	378	320	332	411	348	308	184	234	241	179	259	254	333	144	118	96	121	248	264	270	186	222	77	103	69	
S.Reserve Total		3807	3479	3272	3304	3381	3191	3065	3175	3284	3403	3414	3370	3314	2986	3077	2989	2939	2574	2681	2204	1855	1732	1750	1700	1874	2001	2134	2047	1878	1554	1579	1585	1524	1587	1620	1776	1951	1944	1770	1627	1452	1489	1477	1628	1749	1858	1985	2084	