

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,422 MW
Distillate	0 MW
Total TNB	2,422 MW
Total IPP	19,747 MW
Total Co-Gen	0 MW
Total System	25,774 MW

Generation Mix

Type	MWh	Percentage
Hydro	8,690	2.26 %
Gas	45,990	11.97 %
Total TNB	54,680	14.23 %
ST-Coal	221,231	57.57 %
LSS	4,335	1.13 %
Gas	102,478	26.67 %
Total IPP	328,044	85.37 %
Co-Gen	1,053	0.27 %
Total Co-Gen	1,053	0.27 %
Total Generation	383,777	99.87 %
PLTG	218	0.06 %
HVDC	-699	-0.18 %
Interconnection	-481	-0.13 %
Net Energy	384,258	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:	15:00:00 Hour
Total Set On Bus	19,551 MW
TNB Generation	2,684 MW
IPP Generation	15,326 MW
Spinning Reserve	1,494 MW
Maximum Demand	18,095 MW
Net Energy	384,258 MWH
Load Factor	88.48 %

Fuel Cost

Total Cost:	98,703,374.06 RM
Cost per Unit	25.72 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	595
Hydro	459
Syncon	508
Thermal	248
Total	1,810

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	118
Total TNB	147
CBPS	48
EMPP	306
NPRI	153
PCGP	81
PLPS	75
SPGP	167
Total IPP	830
Total Gas	977
Total Gas Required	977

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	15945	15197	14541	14045	13602	13405	13461	13492	14033	15874	16721	17188	17314	17134	17767	18095	18010	17692	16521	16469	17266	17139	16540	16386

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 10, 2022 11:00:21 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Thursday

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	693	652	432	305	305	305	307	305	304	304	304	304	305	306	304	305	509	611	695	696	699	695	700	697	696	696	696	696	696	696	695	695	696	695	694	696	697	697	696	693	696	696	696					
JMAH	U002	402	403	362	305	304	307	307	304	304	304	304	304	304	303	304	303	440	605	692	696	696	702	696	695	694	695	693	693	693	693	695	697	695	697	695	691	696	692	694	694	696	599	556	555	404			
JMHE	U001	980	977	981	928	931	852	849	853	849	852	851	849	851	853	847	850	852	965	985	978	985	980	982	983	974	974	981	979	976	979	979	978	977	978	976	974	976	977	980	970	986	982	979	977	976	976	978	976
JMJG	U002	677	674	677	672	673	676	676	673	673	677	675	674	675	673	673	677	675	677	672	676	674	676	671	677	672	674	674	678	676	673	676	674	676	677	676	671	674	672	673	676	672	673	675	672	674	676	676	
JMJG	U003	685	658	637	546	553	547	623	666	589	517	458	472	467	469	462	504	594	661	663	665	668	668	677	677	673	669	667	676	666	677	667	666	673	672	670	674	668	679	664	660	673	672	643	660	662	671	673	672
JMJG	U004	978	976	979	972	932	899	854	854	851	854	855	854	854	852	854	856	854	897	958	980	980	979	980	981	982	983	980	985	983	981	978	979	980	980	977	980	978	981	980	977	981	982	983	981	981	982	977	981
JMJG	U005	973	968	966	939	930	853	848	852	857	851	848	851	849	847	849	852	850	925	981	976	972	972	973	974	966	969	974	974	973	972	979	972	972	973	971	972	968	974	963	966	972	970	972	971	970	972	971	969
PKLG	U003	148	148	148	148	149	148	148	147	148	149	149	150	148	148	148	148	149	149	148	197	269	276	277	278	279	277	278	279	279	279	280	276	282	279	279	277	280	277	258	254	252	251	252	250	156	146	147	148
PKLG	U004	152	153	155	154	154	148	153	156	153	154	156	156	155	154	155	155	154	154	207	262	275	272	271	273	275	275	273	275	275	273	276	274	274	273	274	269	271	249	248	247	244	249	245	173	152	153	158	
PKLG	U005	269	271	268	268	272	269	268	267	269	269	271	270	271	269	268	270	272	268	270	299	386	463	466	466	469	468	471	469	465	465	465	465	470	468	467	470	467	467	420	336	267	267	269	269	269	268	270	270
PKLG	U006	286	270	269	269	269	268	269	268	269	269	268	268	269	268	269	268	269	309	393	431	450	449	446	450	448	447	449	449	448	446	449	449	448	448	445	449	449	449	447	447	446	445	392	293	271	267		
TBIN	U001	689	689	689	688	685	687	686	686	687	689	689	685	689	688	685	687	686	686	683	688	688	689	685	686	689	687	687	688	688	688	688	688	688	688	686	685	687	539	647	691	686	686	687	688	688	689	687	
TBIN	U002	689	695	690	692	694	692	692	694	696	692	692	694	693	694	691	691	692	690	692	691	690	687	690	693	693	685	692	692	692	692	692	692	692	686	691	690	690	693	692	691	694	692	686	693	687	695		
TBIN	U003	656	534	456	451	450	452	451	450	449	347	351	354	353	353	352	353	482	536	695	691	692	692	694	681	693	691	690	693	693	693	693	693	693	691	692	693	691	693	690	689	689	691	689	691	693	621		
TBIN	U004	936	935	937	935	936	878	852	852	853	853	853	851	856	855	854	853	855	928	937	937	935	935	936	936	938	935	933	935	934	937	940	937	937	936	936	937	936	936	936	937	938	937	933	937	934	934		
Total ST-Coal		9213	9003	8646	8272	8237	7981	7983	8027	7951	7781	7725	7737	7738	7731	7716	7772	7864	8358	8556	9247	9809	10108	10148	10154	10137	10133	10143	10150	10142	10144	10133	10150	10149	10139	10135	10119	10146	9877	9892	9898	9881	9864	9872	9539	9395	9370	9153	
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		
CBPS	BLK2	365	365	365	365	365	365	212	212	212	212	212	212	212	212	212	360	360	360	300	300	300	360	220	220	220	360	360	360	360	360	360	360	360	360	360	220	222	223	356	357	365	362	349	351	360	353	349	
EMPP	BLK1	689	700	705	706	708	718	704	710	704	711	710	710	710	709	709	710	690	714	710	696	684	705	711	711	708	714	711	712	711	710	712	710	712	711	701	645	546	710	651	702	714	712	696	698	709	702	692	
EMPP	BLK2	689	700	704	705	709	717	704	709	704	642	637	604	654	698	682	585	710	688	714	711	694	684	701	703	711	708	714	713	713	712	710	712	711	713	712	702	643	542	710	664	706	714	712	696	698	709	702	691
EMPP	BLK3	689	699	705	706	709	717	705	710	704	596	590	563	613	660	628	543	710	689	715	712	693	685	707	711	711	708	714	712	711	709	711	709	711	701	641	513	680	664	701	713	712	696	698	710	701	692		
GLGR	GT02	93	93	93	93	93	93	93	93	93	93	93	93	93	93	92	92	92	93	93	93	92	93	92	92	92	92	93	93	92	93	92	93	92	93	92	92	93	92	92	92	92	92	92	92	92	93		
GLGR	ST1C	40	39	41	41	40	39	41	39	39	40	39	39	40	41	39	39	40	40	39	39	41	40	39	40	40	41	40	40	40	39	40	39	40	40	40	40	40	40	41	40	40	40	40	39	40	40	40	
NPRI	BLK1	497	506	511	510	511	406	500	349	341	352	350	352	351	350	349	352	348	511	520	513	518	515	517	518	515	516	518	514	515	515	514	515	512	506	514	502	511	514	515	508	510	517	514	500	501	515	503	499
NPRI	BLK2	478	493	499	499	505	535	329	338	331	525	528	529	510	529	527	528	362	377	524	517	518	518	521	514	521	519	523	520	520	520	517	519	512	510	519	491	515	518	520	511	493	524	518	488	491	517	491	486
PCGP	PGRG	563	580	589	591	595	619	589	504	502	416	409	409	409	408	410	410	572	597	613	598	555	499	507	504	606	398	410	602	601	598	601	602	592	593	605	584	399	403	405	594	593	611	603	574	575	602	578	573
PLPS	GT11	111	113	117	114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	123	116	116	115	115	112	115	116	113	113	116	112	116	116	66	116	136	134	136	116	116	115	116	116	116	
PLPS	GT12	115	116	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	108	110	113	112	123	124	125	125	124	125	125	124	124	125	125	125	125	124	124	124	120	123	121	112	113	114	112	112	109	112	110	110	113	109	112	112	64	115	131	130	131	112	112	111	112	112		
PLPS	ST18	194	195	176	131	58	58	58	58	59	59	58	58	58	58	58	58	58	58	59	58	59	57	137	132	135	133	166	202	203	197	198	195	194	197	193	197	197	146	181	208	208	209	196	197	196	197	197	
SPGP	BLK1	7																																															

Daily MW Generation on Thursday

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	HY01	33	33	33	33	33	33	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	23	24	24	24																									
KNRG	HY03	36	36	36	36	36	36	23	22	23	23	23	22	23	22	23	22	22	22	22	22	22	23	22	21	22	22																									
LPIA	HY01	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	19	19	20	20	20																									
LPIA	HY02	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	19	19	20	21	21																									
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	3	3																									
PGAU	HY03	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20																									
PGAU	HY04	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21																									
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	48	30	50	0																									
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	30	0																									
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	25																									
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	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	0	17	17	20	25	25																									
TMGR	HY01	39	41	43	42	42	86	41	86	42	84	86	86	74	86	86	84	80	42	74	42	75	62	86	44	73	39																									
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	-1	-1																									
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																									
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	90	92	88	86	92	-1																									
UJLI	HY02	80	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	94	90	92	94	89	88	94	84	90																									
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	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	4	4																									
Total Hydro		324	244	248	247	247	291	245	268	223	266	268	268	257	269	270	269	265	287	320	286	319	305	310	267	297	265	298	357	383	404	498	522	511	558	608	466	474	479	487	473	475	541	458	487	487	376	369	341			
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
BDSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	6	11	14	17	19	16	22	24	23	26	23	23	24	28	12	12	11	10	10	2	1	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	2	7	12	16	19	19	28	12	32	28	31	13	12	19	20	30	25	20	19	14	10	5	1	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	4	7	12	16	20	24	26	27	31	29	32	18	32	32	7	14	24	29	6	4	3	2	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	4	7	13	16	23	27	27	26	30	26	34	15	23	17	8	1	2	5	4	3	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	2	4	4	7	18	11	15	19	28	14	14	18	12	13	19	19	19	17	17	12	6	4	2	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	1	4	10	15	19	27	30	26	41	44	44	43	45	45	35	37	34	32	30	5	4	3	1	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	2	4	7	12	15	20	16	27	26	29	26	30	27	27	13	10	13	6	1	2	2	2	1	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	2	5	11	18	22	21	27	25	41	26	39	35	26	28	28	23	24	18	12	8	1	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	3	8	15	25	38	46	61	71	73	86	46	57	68	66	93	94	94	94	94	94	20	18	11	8	7	3	0	0	0	0	0	0	0	0	0			
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	17	21	27	30	33	35	36	30	42	42	43	19	37	36	36	23	10	9	8	3	2	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	1	2	5	8	11	16	20	19	22	19	26	16	14	9	7	7	7	7	7	15	8	8	1	2	1	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	1	2	6	10	15	21	25	29	21	25	39	41	40	15	15	19	6	6	3	2	3	4	1	1	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	2	6	13	18	25	28	32	37	41	47	49	34	37	47	47	41	33	23	24	20	15	7	3	1	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	5	8	19	19	22	29	39	75	58	53	48	44	70	110	80	80	79	59	49	28	18	8	3	1	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	2	7	13	22	27	30	33	38	25	37	40	28	18	14	27	27	27	27	0	0	1	3	2	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	1	3	9	12	18	25	28	33	34	36	37	33	37	32	29	20	16	13	3	3	2	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	2	5	10	13	15	17	20	21	15	17	14	29	10	24	11	18	12	13	14	11	8	4	3	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	2	5	6	11	19	21	24	15	12	13	13	11	11	14	16	22	15	17	17	25	11	5	2	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	3	33	88	174	268	355	433	499	567	572	564	581	565	471	564	586	518	473	460	363	238	148	86	47	18	4	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	26	26	25	25	24	25	25	24	25	26	25	26	25	25	25	24	23	22	22	20	20	20	20	21	21	21	22	21	22	20	21	21	20	21	21	22	22	22	24	22	22	22	23	23	22	23	22				
PCUF	CUFK	17	16	17	16	17	17	15	15	16	18	18	18	17	18	17	16	14	16	16	18	17	15	17	17	23	26	25	27	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26		
Total Co-Gen		43	42	42	41	41	42	40	39	41	44	43	44	42	43	43	41	39	41	40	39	40	39	35	37	37	38	44	47	47	48	47	46	48	47	47	48	49	48	50	48	48	48	48	49	49	48	49	48			
Total Gen		15948	15595	15179	14816	14536	14302	14079	13779	13628	13455	13384	13338	13407	13528	13469	13548	14042	15109	15767	16303	16676	16929	17174	17347	17301	17066	17140	17541	17748	18061	18057	18034	17986	17945	17630	17284	16547	16324	16446	17075	17235	17257	17091	16869	16544	16400	16373	16086			
TIE-EGAT		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 Thursday

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																									
Interconnection		3	8	-18	-2	-5	-55	34	-6	26	-89	-21	-43	-54	-49	-23	-26	9	-50	-107	-46	-45	-15	-14	-49	-13	-8	6	-15	-19	-30	-38	7	-24	22	-62	5	26	-25	-23	30	-31	-68	-48	-29	4	2	-13	22	
System Total		15945	15587	15197	14818	14541	14357	14045	13785	13602	13544	13405	13381	13461	13577	13492	13574	14033	15159	15874	16349	16721	16944	17188	17396	17314	17074	17134	17556	17767	18091	18095	18027	18010	17923	17692	17279	16521	16349	16469	17045	17266	17325	17139	16898	16540	16398	16386	16064	
SRev ST-Coal		382	485	522	632	677	814	838	797	840	831	838	838	838	840	842	838	847	650	520	433	419	205	165	159	176	180	170	163	171	161	169	180	163	164	174	178	194	167	335	323	246	257	283	269	400	369	375	435	
SRev CCGT-Gas		507	569	632	476	578	616	778	997	1029	1078	1094	1153	1072	957	1005	1194	969	547	228	420	761	858	939	736	802	1004	963	753	657	398	419	409	452	441	686	782	1450	1665	1255	611	455	493	559	808	800	688	784	825	
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	
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		489	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	489	489	489	302	302	302	302	302	489	489	489	489	489	489	489	489	489	489	489	489	489	
Hydro		466	359	355	356	356	312	358	335	380	337	335	335	346	334	333	334	338	366	333	367	334	348	343	386	356	388	355	483	457	511	604	580	591	594	544	499	491	486	478	492	490	424	507	478	478	464	471	475	
S.Reserve Total		1844	2089	2185	2140	2287	2418	2650	2805	2925	2922	2943	3002	2932	2807	2856	3042	2830	2239	1757	1896	2190	2087	2123	1957	2010	2248	2164	1888	1774	1559	1494	1471	1508	1501	1706	1948	2624	2807	2557	1915	1680	1663	1838	2044	2167	2010	2119	2224	