TENAGA NASIONAL BERHAD

Daily System Generation Summary on Friday

Friday, July 7, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,034 MW
Distillate	0 MW
Total TNB	2,034 MW
Total IPP	18,285 MW
Total Co-Gen	0 MW
Total System	24,321 MW

Generation Mix

Type	MWh	Percentage
Hydro	13,215	3.52 %
Gas	54,128	14.44 %
Total TNB	**67,343**	**17.96 %**
ST-Coal	220,930	58.92 %
LSS	4,597	1.23 %
Gas	82,027	21.88 %
Total IPP	**307,554**	**82.02 %**
Co-Gen	-116	-0.03 %
Total Co-Gen	**-116**	**-0.03 %**
Total Generation	**374,781**	**99.95 %**
PLTG	-186	-0.05 %
Interconnection	**-186**	**-0.05 %**
Net Energy	**374,967**	**100.00 %**

Maximum Demand Record

Date: 5/11/2023	19,716	MW
Date: 5/11/2023	416,902	MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	18,071 MW
TNB Generation	4,271 MW
IPP Generation	13,420 MW
Spinning Reserve	405 MW
Maximum Demand	17,612 MW
Net Energy	374,967 MWH
Load Factor	88.71 %

Fuel Cost

Total Cost:	89,469,874.34 RM
Cost per Unit	23.83 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	636
Hydro	468
Syncon	592
Thermal	127
Total	**1,823**

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	37
SRDG	5
TJGS	125
Total TNB	**167**
CBPS	44
EMPP	264
NPRI	140
PCGP	81
SPGP	197
Total IPP	**725**
Total Gas	**892**
Total Gas Required	**892**

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	15537	14691	14264	13814	13441	13305	13442	13519	13764	15139	16053	16761	16771	16579	16865	17516	17571	17200	16191	16130	16934	16789	16238	16016

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, July 10, 2023 9:09:43 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

TENAGA NASIONAL BERHAD

Friday, July 7, 2023

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	706	705	706	707	703	707	706	705	705	702	706	705	704	706	705	704	706	706	706	704	707	703	706	705	705	704	706	708	704	705	704	711	706	705	706	707	704	704	706	707	704	705	704	706	705	706	704	704
JMAH	U002	708	702	705	704	705	705	703	705	704	706	704	704	709	706	706	706	704	702	703	703	703	704	702	709	708	705	699	704	699	710	702	719	704	702	712	703	704	707	705	700	705	705	704	704	702	706	704	706
JMHE	U001	977	975	973	976	860	756	698	700	698	700	699	700	701	701	699	701	699	848	937	973	971	970	978	979	978	980	978	983	977	983	980	978	980	979	980	980	975	975	979	979	980	974	980	978	976	981	980	981
JMHE	U002	499	500	498	500	499	499	503	500	497	503	499	501	498	500	499	498	499	498	499	498	499	499	500	496	498	499	502	499	501	498	500	501	499	499	500	502	497	499	498	502	501	500	501	501	498	498	503	500
JMJG	U002	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686	679	682	682	677	680	680	679	679	681	679	679	679	677	682	668	600	681	679	679	679	682	681	679	681	677	680	682	678
JMJG	U003	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	672	679	681	678	677	679	673	675	678	678	673	677	679	681	674	678	678	672	673	678	675	673	677	677	672	679	669	676
JMJG	U004	967	967	967	967	900	900	900	900	850	850	850	850	850	850	850	850	850	850	850	980	980	980	977	975	977	977	980	981	973	969	977	977	979	978	977	974	978	979	977	977	973	977	976	976	977	977	973	978
JMJG	U005	972	972	972	972	900	900	900	900	850	850	850	850	850	850	850	850	850	850	850	980	980	980	980	979	979	977	983	979	978	977	980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PKLG	U003	278	278	277	277	277	278	278	278	277	278	278	277	276	277	277	276	277	276	277	275	277	278	276	278	277	276	277	277	277	279	277	277	274	277	279	278	277	276	278	279	278	276	277	278	279	278	279	277
PKLG	U005	471	468	468	464	466	468	470	466	418	319	257	268	269	269	268	320	421	467	466	468	464	466	467	466	467	467	466	468	470	472	468	474	466	470	472	466	467	467	466	466	471	466	466	466	470	466	470	468
PKLG	U006	450	447	447	449	447	425	449	449	449	447	447	449	449	449	447	449	449	445	445	446	447	447	446	448	450	447	449	448	449	447	449	459	432	448	451	446	449	448	447	450	447	449	450	446	447	446	448	450
TBIN	U001	699	700	700	700	702	700	699	700	703	699	701	698	700	700	699	700	701	698	701	702	700	700	703	699	698	601	662	699	700	701	702	697	704	697	701	703	699	703	700	699	700	703	703	699	707	701	706	702
TBIN	U003	695	696	695	697	694	696	696	697	697	696	696	695	696	695	697	694	697	695	695	696	696	696	697	696	694	695	696	698	698	696	697	690	698	695	693	694	695	694	696	694	697	694	695	695	695	693	696	697
TBIN	U004	979	981	980	942	903	905	901	855	855	854	855	854	854	854	853	852	853	854	905	985	981	982	981	980	981	981	982	978	980	981	982	981	980	980	982	981	978	979	981	982	979	974	981	977	979	975	973	984
Total ST-Coal		**9762**	**9752**	**9749**	**9716**	**9417**	**9300**	**9264**	**9216**	**9064**	**8965**	**8903**	**8912**	**8917**	**8918**	**8911**	**8961**	**9067**	**9250**	**9395**	**9771**	**9756**	**9766**	**9776**	**9765**	**9769**	**9668**	**9732**	**9776**	**9765**	**9775**	**9770**	**8820**	**8778**	**8793**	**8795**	**8712**	**8782**	**8782**	**8785**	**8792**	**8792**	**8777**	**8793**	**8784**	**8784**	**8786**	**8787**	**8801**
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	222	221	221	221	221	221	221	221	222	220	221	220	221	221	221	221	221	221	221	221	221	221	222	242	277	305	295	296	235	358	359	360	356	315	330	306	297	289	346	335	297	360	335	319	327	345	325	220
EMPP	BLK1	618	452	404	405	409	403	406	410	409	411	411	408	411	413	406	411	422	421	417	434	499	619	710	709	708	690	637	653	717	723	708	713	698	705	702	701	677	710	711	712	688	710	704	694	694	707	709	711
EMPP	BLK2	614	452	404	405	409	402	406	410	410	410	412	410	411	412	405	411	425	420	415	436	492	625	709	708	710	690	671	690	716	723	709	714	693	696	706	707	673	711	711	709	687	710	701	695	697	711	708	709
EMPP	BLK3	616	454	404	404	410	402	406	410	410	410	411	409	412	412	406	411	423	419	414	436	496	622	710	707	709	691	672	690	715	722	707	714	693	702	707	708	674	711	711	704	687	710	700	694	697	714	707	711
GLGR	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	36	44	75	101	70	66	94	103	103	104	103	67	90	108	106
GLGR	GT02	94	94	93	93	94	94	93	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	95	94	108	108	105	100	101	69	65	95	103	103	104	103	67	91	106	106
GLGR	ST1C	41	41	42	41	42	41	41	41	42	42	42	41	42	42	41	41	41	42	42	41	41	42	42	42	41	42	42	41	41	42	42	42	47	47	44	38	88	79	71	83	94	94	94	93	79	82	97	97
NPRI	BLK1	331	331	322	321	329	322	325	331	327	329	332	331	332	334	323	330	339	338	517	516	516	514	515	515	514	506	479	329	370	521	514	518	510	514	514	505	488	518	518	523	507	524	525	509	513	527	524	529
NPRI	BLK2	325	327	317	316	325	316	319	327	321	325	325	326	328	328	319	324	335	335	455	508	509	510	479	514	514	493	473	323	371	517	454	522	505	506	485	523	512	502	527	524	516	525	524	518	520	524	524	524
PCGP	PGRG	602	602	487	389	398	392	392	402	396	397	403	403	403	401	393	400	402	605	600	601	603	600	603	603	603	593	575	599	615	617	601	613	595	601	603	599	581	603	604	601	590	602	603	595	593	600	600	599
SPGP	BLK1	723	721	723	685	685	686	585	490	440	441	440	440	488	636	536	438	548	709	714	713	711	708	706	706	703	727	704	701	700	700	701	719	717	720	719	719	722	718	720	719	719	719	720	721	721	722	720	722
SPGP	BLK2	730	730	718	678	685	624	561	542	486	489	446	445	495	593	586	493	496	724	725	726	727	724	723	725	719	717	696	714	720	722	713	727	723	731	727	723	707	728	729	728	720	727	728	719	715	728	721	730
TJGS	GT1A	126	122	135	133	138	133	135	143	135	135	138	138	138	139	140	136	135	139	134	135	134	138	138	138	136	169	169	169	124	132	226	224	222	224	224	226	217	126	198	226	226	226	225	224	225	183	125	125
TJGS	GT1B	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	158	113	118	211	213	211	212	211	209	205	114	187	214	216	213	212	211	209	174	109	114
TJGS	ST1C	77	74	80	78	79	79	79	79	79	79	78	79	78	79	79	78	78	79	79	79	79	79	79	79	79	91	91	169	178	165	247	251	250	250	250	244	244	166	219	246	246	247	248	248	248	207	166	165
TJGS	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	121	180	152	131	131	218	216	217	217	217	151	131	130	0
TJGS	GT2B	162	160	160	160	160	160	160	160	160	160	161	161	161	161	160	160	160	160	161	160	161	159	160	160	159	160	160	161	160	160	224	227	225	218	119	177	150	129	128	216	214	215	215	215	148	128	129	188
TJGS	ST2C	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	95	94	118	119	118	121	159	215	216	191	191	247	249	249	249	249	203	192	192	115
Total CCGT-Gas		**5418**	**4875**	**4604**	**4423**	**4478**	**4369**	**4223**	**4154**	**4025**	**4036**	**4008**	**3999**	**4108**	**4359**	**4203**	**4042**	**4213**	**4800**	**5082**	**5194**	**5377**	**5749**	**5984**	**6036**	**6060**	**6062**	**5880**	**5881**	**5964**	**6408**	**6629**	**6770**	**6695**	**6748**	**6770**	**6955**	**6805**	**6565**	**6833**	**7194**	**7078**	**7254**	**7208**	**7127**	**6874**	**6856**	**6700**	**6471**
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	125	126	89	56	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	125	125	89	36	0	0	0	0	0	0	0	0	0	0	0	0
Total 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**	**250**	**251**	**178**	**92**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
BSIA	HY01	12	12	12	12	12	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	21	21	21	11	11	11	11	11	21	12	12	12	12	12	12	12
BSIA	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	0	0	0	0	0	0	0	0	20	20	20	11	0	0	0	11	20	11	7	0	0	0	0	0
BSIA	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	0	0	0	0	0	0	0	0	22	22	22	11	0	0	0	11	22	12	7	0	0	0	0	0
CEND	HY01	7	6	6	6	6	6	6	6	6	6	6	6	7	6	6	6	6	7	7	6	7	7	6	7	7	6	6	6	7	7	6	7	6	6	6	6	6	7	6	6	6	7	6	6	6	6	6	6
CEND	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	6	6	6	7	7	6	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
CEND	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	7	6	6	6	7	7	6	7	6	6	6	6	6	7	6	6	6	7	7	6	6	7	6	6
KNRG	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	0	0	0	0	0	0	0	0	36	35	35	22	0	0	0	22	35	22	12	0	0	0	0	0
KNRG	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	0	0	0	0	0	0	0	0	37	37	37	23	0	0	0	23	37	23	23	0	0	0	0	0

TENAGA NASIONAL BERHAD

Friday, July 7, 2023

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	HY03	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	21	21	21	21	38	37	37	21	22	22	22	22	38	22	22	22	22	22	22	22
KNYR	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	0	98	96	96	98	98	98	98	98	98	98	95	97	98	98	98	98	98	98	98	98	98	98	98
KNYR	HY03	95	95	94	93	92	92	91	91	91	91	92	93	94	95	95	94	95	95	94	94	93	93	91	91	92	90	90	90	93	95	94	94	95	94	94	91	91	92	91	90	90	92	92	93	93	94	94	95
KNYR	HY04	99	99	98	97	97	98	98	98	99	99	99	99	99	101	99	97	99	100	101	101	101	101	99	101	101	99	95	95	100	100	99	100	100	100	100	98	100	100	100	100	100	100	100	100	100	99	100	100
LPIA	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	11	11	11	11	11	11	11	11	10	10	10	10	10	10	10	10	10	10	10	10	10	11	11	12	12	
LPIA	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	12	12	
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	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	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	23	-1	153	150	20	-1	-1	-1	-1	-1	-1	-1	18	17	0	0	0	0		
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	146	149	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	17	-1	
PGAU	HY03	23	23	21	23	23	22	23	23	23	23	23	23	23	23	23	23	24	24	24	20	20	20	20	20	20	21	18	25	26	22	20	149	22	20	20	21	0	0	0	21	20	21	21	21	21	0	0	0
PGAU	HY04	23	23	21	23	23	22	24	23	23	23	23	23	23	24	23	24	23	23	21	20	20	21	20	20	20	20	26	26	23	21	147	22	21	20	21	0	0	0	20	19	20	20	19	20	0	0	0	
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	0	0	30	30	30	50	50	50	50	50	0	0	0	0	31	51	31	31	31	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	0	0	0	0	0	0	0	50	50	50	12	0	0	0	30	50	30	30	30	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	0	0	0	0	0	0	0	50	50	50	50	0	0	0	14	50	30	30	30	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	0	0	0	0	0	0	0	0	0	0	0	0	0	16	17	17	24	24	24	23	23	23	23	
SYPS	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	0	0	17	17	17	25	25	25	25	25	0	0	0	0	17	25	25	25	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	0	0	0	0	0	0	0	0	17	17	17	25	0	0	25	25	25	25	25	25	25	25	25	25	25	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	-1	-1	-1	-1	-1	-1	81	81	82	82	41	39	0	0	32	79	41	42	-1	-1	-1	-1	-1	
TMGR	HY03	41	41	39	39	41	39	39	71	40	41	49	66	74	52	41	41	48	47	40	40	41	41	41	75	75	40	35	40	62	83	42	84	45	40	54	56	38	84	81	53	42	81	47	43	46	71	43	62
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	-1	-1	-1	-1	75	75	75	75	30	-1	-1	-1	33	83	30	30	30	30	0	0	0	
UJLI	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	-1	-1	-1	-1	-1	-1	184	177	180	91	-1	-1	-1	-1	-1	86	-1	-1	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	185	180	183	91	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
UPIA	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
Total Hydro		358	357	349	351	371	348	351	382	352	353	362	380	390	370	377	354	366	366	359	375	352	352	348	386	386	444	430	512	548	588	642	1655	1591	1354	1143	683	466	477	487	725	1053	796	762	664	560	515	508	510
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	
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	8	9	13	16	20	15	23	25	23	23	26	27	24	18	16	9	3	1	1	1	1	0	0	0	0	0	0	0	0	0	
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	8	12	17	23	23	27	18	29	23	31	25	23	22	25	17	22	18	7	3	2	0	0	0	0	0	0	0	0	0	
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	10	15	18	20	23	26	31	12	7	25	12	6	12	13	12	13	21	14	8	2	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	3	5	10	16	20	13	33	30	13	28	21	13	10	6	0	0	1	1	2	1	1	1	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	2	6	9	14	18	16	26	24	23	18	22	22	22	25	28	15	13	11	7	4	1	0	0	0	0	0	0	0	0	0	0	
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	8	8	12	10	12	12	11	12	12	19	16	13	7	6	7	2	2	2	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	2	7	11	17	24	25	27	30	39	40	42	40	36	36	41	39	25	28	12	14	9	5	1	0	0	0	0	0	0	0	0	
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	12	16	18	22	27	12	23	32	31	29	12	28	31	25	21	23	17	12	5	3	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	1	6	8	8	22	29	28	23	27	19	24	22	27	16	11	5	7	10	10	1	4	2	1	0	0	0	0	0	0	0	0	0	
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	20	32	45	55	66	76	83	58	39	32	30	77	44	22	44	23	27	59	42	22	7	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	4	8	14	20	25	30	13	34	10	13	15	22	32	18	27	8	9	15	24	22	11	4	0	0	0	0	0	0	0	0	0	
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	12	16	16	25	30	5	9	30	30	30	21	15	19	10	10	17	16	8	3	1	0	0	0	0	0	0	0	0	
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	13	27	41	55	66	77	87	60	27	18	18	25	41	16	32	27	24	30	23	27	10	3	1	0	0	0	0	0	0	0	0	
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8	12	14	20	24	27	30	6	4	6	7	26	6	7	10	9	9	7	10	3	1	0	0	0	0	0	0	0	0	0	
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	15	17	13	18	29	24	23	29	30	21	23	29	29	23	18	17	9	8	4	3	1	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	1	4	9	8	11	15	14	11	11	10	11	14	14	16	15	14	14	13	14	9	5	3	3	1	0	0	0	0	0	0	0	0	
MNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	17	25	31	24	21	18	19	18	18	25	27	33	30	27	24	21	23	13	9	5	4	2	0	0	0	0	0	0	0	0	
PKLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	31	31	47	62	57	56	35	40	61	77	77	61	66	56	51	40	30	20	15	10	5	1	0	0	0	0	0	0	0	
SNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	5	5	5	29	10	9	19	6	5	15	19	10	11	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	7	10	11	19	32	38	37	40	49	44	49	20	12	8	11	7	5	5	3	3	4	1	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	2	5	10	15	21	27	31	34	37	39	42	42	18	17	36	38	36	12	11	12	3	2	1	0	0	0	0	0	0	0	0	0	
STLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	9	8	8	13	9	7	6	6	7	8	8	9	11	11	10	7	7	5	3	1	1	0	0	0	0	0	0	0	0	

TENAGA NASIONAL BERHAD

Friday, July 7, 2023

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	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	8	12	16	18	21	17	21	20	20	21	20	26	25	25	27	10	10	14	4	2	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**	**12**	**89**	**212**	**319**	**430**	**566**	**628**	**655**	**677**	**522**	**516**	**558**	**566**	**607**	**505**	**488**	**446**	**345**	**328**	**303**	**239**	**125**	**56**	**12**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
ESTL	ESTL	10	7	10	0	0	3	0	5	8	9	9	0	9	10	12	10	9	2	0	0	1	2	0	4	5	6	9	0	0	0	0	0	0	0	0	0	10	17	17	15	16	2	14	8	17	15	14	18
KHTC	BLK1	-26	-25	-25	-24	-22	-23	-25	-22	-26	-23	-21	-22	-19	-17	-18	-20	-22	-28	-31	-36	-34	-36	-38	-38	-38	-38	-40	-38	-41	-42	-41	-47	-45	-44	-40	-42	-40	-33	-33	-30	-32	-30	-31	-30	-30	-29	-28	-25
PCUF	CUFG	2	4	2	3	2	3	3	1	9	10	12	15	16	15	15	14	15	15	15	16	16	16	17	15	17	16	17	18	17	17	17	16	16	16	17	17	17	17	17	17	17	16	16	17	16	17	17	16
PCUF	CUFK	3	4	2	1	2	2	2	1	2	2	3	3	3	2	1	0	3	2	3	3	3	2	1	2	3	2	2	2	3	3	3	2	3	2	4	1	1	2	2	3	2	3	2	2	2	3	3	3
PFTZ	PFTZ	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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Co-Gen		**-7**	**-6**	**-7**	**-16**	**-14**	**-11**	**-16**	**-11**	**-3**	**2**	**7**	**0**	**13**	**14**	**14**	**8**	**9**	**-5**	**-9**	**-13**	**-10**	**-12**	**-16**	**-13**	**-9**	**-10**	**-8**	**-14**	**-17**	**-18**	**-17**	**-25**	**-22**	**-22**	**-15**	**-20**	**-8**	**7**	**7**	**9**	**7**	**-5**	**5**	**1**	**9**	**10**	**10**	**16**
Total Gen		**15531**	**14978**	**14695**	**14474**	**14252**	**14006**	**13822**	**13741**	**13438**	**13356**	**13280**	**13291**	**13428**	**13661**	**13505**	**13377**	**13744**	**14623**	**15146**	**15757**	**16041**	**16483**	**16747**	**16851**	**16728**	**16680**	**16592**	**16721**	**16867**	**17258**	**17512**	**17666**	**17637**	**17452**	**17174**	**16661**	**16170**	**15887**	**16124**	**16721**	**16930**	**16822**	**16768**	**16576**	**16227**	**16167**	**16005**	**15798**
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	0
TIE-HVDC		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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-PLTG		-6	-23	4	4	-12	-18	8	15	-3	-9	-25	-12	-14	-13	-14	-14	-20	-19	7	-24	-12	0	-14	1	-43	0	13	12	2	-11	-4	54	66	9	-26	-21	-21	-38	-6	-3	-4	-23	-21	-16	-11	-39	-11	-20
Interconnection		**-6**	**-23**	**4**	**4**	**-12**	**-18**	**8**	**15**	**-3**	**-9**	**-25**	**-12**	**-14**	**-13**	**-14**	**-14**	**-20**	**-19**	**7**	**-24**	**-12**	**0**	**-14**	**1**	**-43**	**0**	**13**	**12**	**2**	**-11**	**-4**	**54**	**66**	**9**	**-26**	**-21**	**-21**	**-38**	**-6**	**-3**	**-4**	**-23**	**-21**	**-16**	**-11**	**-39**	**-11**	**-20**
System Total		**15537**	**15001**	**14691**	**14470**	**14264**	**14024**	**13814**	**13726**	**13441**	**13365**	**13305**	**13303**	**13442**	**13674**	**13519**	**13391**	**13764**	**14642**	**15139**	**15781**	**16053**	**16483**	**16761**	**16850**	**16771**	**16680**	**16579**	**16709**	**16865**	**17269**	**17516**	**17612**	**17571**	**17443**	**17200**	**16682**	**16191**	**15925**	**16130**	**16724**	**16934**	**16845**	**16789**	**16592**	**16238**	**16206**	**16016**	**15818**
SRev ST-Coal		128	138	141	174	424	437	415	420	464	465	468	468	465	461	466	471	463	433	386	119	134	124	114	125	121	122	120	114	125	115	120	116	112	97	100	171	101	108	105	98	98	113	97	106	106	104	103	89
SRev CCGT-Gas		1512	1707	1978	2159	2104	2213	2359	2428	2557	2546	2574	2583	2474	2223	2379	2540	2369	1782	1500	1388	1205	833	598	546	535	520	922	1049	981	539	301	173	390	702	669	484	634	874	606	245	361	185	231	312	565	583	739	746
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
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	2	1	74	160	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		0	-1	0	0	1	-1	1	-1	0	0	-1	0	0	-2	0	0	0	1	0	0	0	0	0	1	-5	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	1	1	0	-1	0	0	1	0
Syncon		852	852	852	852	701	852	852	852	852	852	852	852	852	852	701	852	852	852	852	701	852	852	852	852	852	852	852	852	852	701	665	0	0	0	302	676	764	764	764	676	489	676	525	613	613	613	462	613
Hydro		386	387	395	393	524	396	393	362	392	391	382	364	354	374	518	390	378	378	385	520	392	392	396	358	358	400	414	432	396	507	489	116	408	670	579	590	191	93	99	648	507	577	762	644	448	106	264	111
S.Reserve Total		**2878**	**3083**	**3366**	**3578**	**3754**	**3897**	**4020**	**4061**	**4265**	**4254**	**4275**	**4267**	**4145**	**3908**	**4064**	**4253**	**4062**	**3446**	**3123**	**2728**	**2583**	**2201**	**1960**	**1882**	**1861**	**1894**	**2308**	**2447**	**2354**	**1862**	**1575**	**405**	**912**	**1471**	**1724**	**2081**	**1691**	**1926**	**1662**	**1667**	**1456**	**1552**	**1615**	**1674**	**1732**	**1406**	**1569**	**1559**