

Daily System Generation Summary on Sunday

Sunday, July 26, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,311 MW
Distillate	0 MW
Total TNB	2,311 MW
Total IPP	17,225 MW
Total Co-Gen	0 MW
Total System	22,005 MW

Generation Mix

Type	MWh	Percentage
Hydro	16,390	5.18 %
Gas	22,536	7.12 %
Total TNB	38,926	12.30 %
ST-Coal	224,818	71.06 %
LSS	2,447	0.77 %
Gas	49,346	15.60 %
Total IPP	276,611	87.44 %
Co-Gen	300	0.09 %
Total Co-Gen	300	0.09 %
Total Generation	315,837	99.83 %
PLTG	174	0.06 %
HVDC	-698	-0.22 %
Interconnection	-524	-0.17 %
Net Energy	316,361	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:	20:30:00 Hour
Total Set On Bus	16,535 MW
TNB Generation	2,692 MW
IPP Generation	12,332 MW
Spinning Reserve	1,449 MW
Maximum Demand	15,134 MW
Net Energy	316,361 MWH
Load Factor	87.10 %

Fuel Cost

Total Cost:	45,751,375.39 RM
Cost per Unit	14.48 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	293
Hydro	376
Syncon	672
Thermal	435
Total	1,776

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	49
TJGS	117
Total TNB	167
CBPS	48
NPRI	134
PGLA	62
Total IPP	244
Total Gas	411
Total Gas Required	411

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	13969	13356	12864	12540	12251	11977	11887	11633	11207	11821	12524	13006	13177	13097	13514	13696	13797	13645	13290	13545	14979	15059	14852	14656

Prepared By: -Select Name-

Checked By: -Select Name-

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(Ir. Shanmugam Thoppalan)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Sunday

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	65	62	62	88	65	63	63	65	68	62	81	90	98	99	59	65	64	73	59	86	99	93	66	60	61	60	63	94	61	68	96	97	98	99	98	95	98	97	93	98	94	95	94	98	97	95	98	97			
KNYR		HY02	98	98	97	98	98	98	98	98	97	97	98	98	98	98	-13	-2	-2	-1	-1	58	97	97	97	56	57	55	58	97	96	96	97	97	97	97	97	97	96	97	97	94	97	95	96	95	97	97	96	97	97		
KNYR		HY04	99	98	98	98	98	98	98	99	97	98	99	99	99	98	95	60	59	57	55	59	99	98	99	57	57	55	58	99	97	97	99	98	99	98	98	97	98	98	95	98	95	96	96	98	98	97	98	98			
LPIA		HY01	24	24	24	24	24	24	22	22	22	22	22	22	22	22	22	23	23	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	23	23	23	23	23	23	23			
LPIA		HY02	23	23	23	23	23	23	22	22	22	22	22	22	22	22	23	23	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	23	23	23	23	23	23	23			
MNOR		HY01	5	5	5	5	1	1	1	1	1	1	1	1	1	1	1	1	1	4	4	4	5	5	5	5	5	5	5	7	7	7	7	7	7	9	9	9	9	7	7	6	6	8	8	8	8	8	8	8			
PGAU		HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	80	20	20	20	20	20	20		
PGAU		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	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	20	20	20	-1	-1	-1
PGAU		HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
PGAU		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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	20	21	20	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	0	0	0	0	0	0	0	0	31	50	31	31	31	50	50	50	50	31	31	31	31	0	0		
SIHY		HY02	0	0	0	0																																															

Daily MW Generation on Sunday

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																									
SRev CCGT-Gas		610	560	667	492	395	628	677	762	923	1076	1239	1227	1236	1181	1360	1380	1328	1291	1095	1025	731	484	365	409	366	536	473	241	188	231	192	292	207	270	267	401	668	657	601	820	334	180	140	247	302	285	244	235	
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 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	1	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		977	977	977	977	977	977	977	977	977	977	977	977	826	826	1090	1079	1079	1229	1229	1128	1128	977	977	977	977	977	826	977	977	851	700	664	685	815	685	685	534	815	941	453	151	151	239	239	390	477	664	1002	
Hydro		116	121	122	94	121	125	121	118	118	124	102	93	215	213	128	152	165	160	177	186	92	100	127	256	253	258	378	115	150	207	243	226	186	226	190	262	401	256	253	536	687	811	776	764	527	467	311	214	
S.Reserve Total		2203	2087	2297	2046	2020	2240	2261	2370	2493	2673	2810	2813	2795	2672	2969	3263	3250	3229	3056	2888	2492	2113	2002	2129	2088	2253	2170	1840	1812	1800	1630	1672	1571	1814	1634	1844	2099	2217	2285	2103	1486	1454	1469	1556	1521	1538	1523	1748	