

Daily System Generation Summary on Thursday

Thursday, July 30, 2020

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	17,197 MW
Total Co-Gen	0 MW
Total System	22,442 MW

Generation Mix

Type	MWh	Percentage
Hydro	20,000	5.83 %
Gas	33,080	9.63 %
Total TNB	53,080	15.46 %
ST-Coal	219,171	63.84 %
LSS	2,312	0.67 %
Gas	68,821	20.04 %
Total IPP	290,304	84.55 %
Co-Gen	161	0.05 %
Total Co-Gen	161	0.05 %
Total Generation	343,545	100.06 %
PLTG	-517	-0.15 %
HVDC	723	0.21 %
Interconnection	206	0.06 %
Net Energy	343,339	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	17,074 MW
TNB Generation	3,139 MW
IPP Generation	12,728 MW
Spinning Reserve	1,201 MW
Maximum Demand	15,886 MW
Net Energy	343,339 MWH
Load Factor	90.05 %

Fuel Cost

Total Cost:	54,920,554.20 RM
Cost per Unit	16.00 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	303
Hydro	505
Syncon	422
Thermal	241
Total	1,471

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	51
TJGS	187
Total TNB	238
CBPS	49
NPRI	144
PGLA	105
PLPS	36
SKSP	48
YPKA	1
Total IPP	383
Total Gas	621

Total Gas Required 621

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	14318	13644	13192	12857	12533	12449	12540	12435	12624	14022	14864	15269	15212	15065	15578	15817	15886	15582	14680	14440	15336	15259	14835	14644

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, August 05, 2020 12:47:05 PM

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

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	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25				
KNRG	HY03	37	37	37	37	37	37	37	37	37	37	37	37	37	37	25	25	25	26	26	25	26	25	25	25	25	25	25	25	25	26	26	26	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
KNYR	HY01	97	56	57	61	59	58	57	57	59	58	58	58	99	100	100	57	99	99	98	98	99	100	101	101	101	101	100	100	100	101	101	101	101	101	101	100	100	59	97	100	100	100	100	100	99	99	99	96	96	
KNYR	HY02	98	57	59	61	59	59	58	58	61	59	0	0	0	0	0	0	100	98	99	100	101	101	101	101	101	100	101	100	101	101	101	101	101	101	100	100	60	98	101	100	100	100	100	100	100	100	100	96	96	
KNYR	HY04	98	0	0	0	0	0	0	0	0	0	30	59	59	100	101	101	-1	100	101	99	100	100	102	102	102	102	101	102	101	102	102	102	102	102	102	101	101	101	101	101	101	101	101	101	101	101	97	97		
LPIA	HY01	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24			
LPIA	HY02	23	23	23	23	23	23	23	23	22	20	20	20	20	20	20	20	20	20	20	20	20	21	21	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22			
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	5	5	5	5	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	8	8	8	8	8	8	9	9	9	9	9		
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	110	110	80	21	21	21	21	21	-1		
PGAU	HY02	-1	-1	-1	-1	-1	7	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	111	112	112	21	21	111	112	112	112	112	112	112	112	111	112	0	0	0	0	18	21	20	20	20	20	0	0	
PGAU	HY03	-1	-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	21	21	21	21	21	22	82	22	-1	-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	21	21	21	21	21	21	21	21	21	20	20	20	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	51	51	51	29	29	29	48	48	49	49	49	49	49	49	50	16	0	0	0	30	50	50	30	51	50	50	50	50
SIHY	HY02	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	30	30	30	50	50	50	50	50	50	50	33	31	0	0	0	30	50	50	30	50	50	50	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	50	30	30	30	50	50	50	50	50	50	32	31	31	31	31	31	31	50	50	30	49	50	50	50	0	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	25	25	25	25	25	25	17	0	0	0	0	17	17	17	17	25	25	25	25	25		
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	25	25	25	25	25	25	25	25	17	17	17	17	17	17	17	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	0	0	0	0	17	17	17	17	17	17	17	25	25	25	25	25	25	17	17	17	17	17	17	17	17	17	17	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	17	17	17	17	17	17	25	25	25	25	25	25	25	25	25	13	0	0	0	17	17	17	17	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
TMGR	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	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	
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	-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	32	32	32	34	34	34	34	34	34	34	33	34	34	34	34	33	34	33	34	33	34	33	34	34	34	34	34	34	34	34	34	34	34	34	1	0	0	0	1	33	33	32	32	32	33	33	33			
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	96	94	93	94	93	93	93	91	93	-1	90	94	108	141	137	152	152	94	-1	-1	-1	88	92	95	93	99	89	-1	-1	-1	-1	-1	
UJLI	HY02	87	90	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	97	95	97	95	96	96	94	96	92	-1	-1	113	147	144	158	159	95	-1	-1	-1	-1	90	94	93	95	92	88	-1	-1	-1	-1	
UPIA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
UPIA	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
Total Hydro		578	401	313	321	317	324	314	313	317	342	314	314	396	417	386	263	384	834	926	922	930	1086	1235	1290	1288	1118	1016	1105	1222	1373	1440	1471	1500	1502	1381	1027	643	500	661	1222	1305	1304	1160	1050	955	847	784	631		
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	0	0	
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	5	5	9	19	22	24	22	20	24	21	29	1	2	4	6	9	7	6	2	1	1	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	4	8	9	16	25	21	20	21	32	36	43	38	43	28	30	33	14	28	22	16	12	6	2	1	1	1	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		34	7	43	17	-9	-16	7	29	8	69	24	27	49	37	5	16	-37	-52	-69	-2	-49	-39	-28	-10	28	24	29	31	-4	-34	-6	-21	-13	11	43	29	-31	-30	58	80	3	-24	-28	23	34	42	57	51	
System Total		14318	13887	13644	13393	13192	13008	12857	12604	12533	12382	12449	12528	12540	12553	12435	12362	12624	13482	14022	14489	14864	15121	15269	15367	15212	15066	15065	15363	15578	15845	15817	15882	15886	15813	15582	15101	14680	14406	14440	15116	15336	15365	15259	15087	14835	14790	14644	14365	
SRev ST-Coal		453	494	485	486	498	495	509	504	506	518	566	566	562	549	565	502	547	547	553	520	331	219	196	193	183	181	186	185	188	188	201	195	175	194	187	188	198	211	196	223	201	225	224	210	204	221	209	213	
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 CCGT-Gas		809	898	929	1013	1024	985	1091	1323	1416	1671	1542	1460	1513	1548	1726	1748	1610	1144	666	441	547	512	227	203	345	339	484	402	317	179	203	177	192	172	219	328	382	456	485	311	275	249	213	239	391	300	383	510	
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	0	0	1	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		941	941	1128	1128	1128	977	1128	1128	1128	1128	1128	1128	1128	977	1128	1078	1128	815	628	628	628	477	477	326	326	477	664	664	513	326	326	326	326	326	326	700	851	977	790	326	326	326	326	452	639	826	826	977	
Hydro		186	264	165	157	161	308	167	168	164	199	167	167	85	215	95	268	97	185	280	284	276	421	331	481	483	502	417	328	362	548	481	537	508	506	627	496	329	346	372	550	617	704	761	745	653	424	362	114	
S.Reserve Total		2389	2597	2707	2784	2811	2765	2895	3123	3214	3516	3403	3321	3288	3314	3539	3621	3382	2691	2127	1873	1782	1629	1231	1203	1337	1499	1751	1579	1380	1241	1211	1235	1201	1199	1359	1712	1785	1990	1843	1410	1419	1504	1524	1646	1887	1771	1780	1814	