

Daily System Generation Summary on Monday

Monday, October 07, 2019

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,339 MW
Distillate	0 MW
Total TNB	2,339 MW
Total IPP	13,882 MW
Total Co-Gen	0 MW
Total System	19,095 MW

Generation Mix

Type	MWh	Percentage
Hydro	11,075	3.10 %
Gas	44,435	12.43 %
Total TNB	55,510	15.53 %
ST-Coal	182,800	51.15 %
LSS	2,052	0.57 %
Gas	115,407	32.29 %
Total IPP	300,259	84.01 %
Co-Gen	1,324	0.37 %
Total Co-Gen	1,324	0.37 %
Total Generation	357,093	99.91 %
PLTG	-1,039	-0.29 %
HVDC	726	0.20 %
Interconnection	-313	-0.09 %
Net Energy	357,406	100.00 %

Maximum Demand Record

Date: 4/18/2019	18,566 MW
Date: 4/18/2019	391,845 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	18,717 MW
TNB Generation	2,853 MW
IPP Generation	14,185 MW
Spinning Reserve	1,629 MW
Maximum Demand	17,097 MW
Net Energy	357,406 MWH
Load Factor	87.10 %

Fuel Cost

Total Cost:	68,672,275.23 RM
Cost per Unit	19.30 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	475
Hydro	506
Syncon	599
Thermal	194
Total	1,774

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
GLGR	16
PAKA	47
PGPS	38
SRDG	13
TJGS	213
Total TNB	326
CBPS	54
KLPP	96
MPSS	46
PGLA	108
PKLG	20
PLPS	95
PTEK	10
SGB3	80
SGRI	150
SKSP	51
YPKA	78
Total IPP	786
Total Gas	1,112

Total Gas Required 1,112

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	13749	13223	12669	12375	12036	11958	12388	12498	13245	15260	16231	16693	16702	16504	16772	16994	16998	16503	15615	15795	16163	15990	15591	14986

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, November 04, 2019 11:40:44 AM

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

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Daily MW Generation on Monday

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																										
UPIA	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4																								
Total Hydro		381	385	383	385	384	404	384	174	151	152	152	152	152	172	152	147	189	312	406	602	607	747	694	656	670	514	592	757	818	762	765	1014	757	462	411	214	354	830	746	723	697	517	427	427	424	381				
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					
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	9	8	11	12	11	12	15	9	23	22	13	16	20	23	8	10	5	2	1	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	3	8	14	20	27	31	36	12	11	9	24	36	10	47	30	15	2	1	1	2	1	0	0	0	0	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	4	11	11	33	33	33	23	23	22	22	33	44	34	34	34	33	23	23	23	23	12	12	1	1	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	9	19	22	15	24	35	47	48	39	31	50	50	24	46	30	42	39	34	1	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	1	8	13	14	20	38	42	31	26	46	18	50	48	48	27	5	23	11	7	3	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	2	6	9	11	21	24	38	39	29	40	41	46	46	37	35	29	12	7	9	6	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	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	2	9	10	15	18	15	21	53	54	44	56	54	12	28	11	4	3	3	2	1	1	1	1	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	3	10	10	20	22	32	36	39	42	44	47	21	22	5	10	43	29	32	17	13	12	3	1	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	12	58	94	122	166	209	254	260	257	287	279	359	304	286	249	220	211	162	135	81	56	29	18	1	1	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	28	28	27	27	27	28	27	28	28	27	28	28	28	27	28	27	27	27	25	27	26	27	25	25	24	24	23	22	22	23	24	23	25	24	25	26	26	27	26	26	25	25	26	26	27	27				
PCUF	CUFK	29	30	30	29	30	30	30	30	29	27	30	29	30	28	28	29	29	30	31	31	30	28	31	30	28	28	28	28	28	27	28	28	29	29	28	29	29	28	30	29	29	29	29	27	28	30				
Total Co-Gen		57	58	57	56	57	58	57	58	57	54	58	57	59	58	56	56	57	56	58	58	55	55	57	57	53	53	52	52	50	50	50	52	53	52	53	53	54	55	54	57	55	55	54	54	53	54	57			
Total Gen		13746	13344	13163	12900	12688	12508	12380	12106	12064	12004	11959	12058	12357	12598	12519	12541	13255	14320	15199	15777	16201	16442	16671	16871	16650	16554	16533	16587	16794	17088	16986	16931	16922	16873	16477	16055	15607	15443	15778	16319	16147	16236	15976	15861	15575	15307	14983	14614		
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			
TIE-HVDC		31	31	30	30	31	31	31	31	31	31	31	31	30	30	30	29	29	29	29	29	29	30	30	29	29	30	30	30	30	30	31	31	30	30	30	30	31	31	31	31	29	29	31	31	30	30				
TIE-PLTG		-33	-47	-90	-45	-11	-24	-26	-37	-3	8	-30	-47	-62	-40	-9	13	-20	13	-90	-75	-60	-90	-52	-102	-82	-56	0	6	-8	-39	-38	-114	-106	-59	-56	-36	-38	-27	-48	-5	-48	-61	-44	-66	-46	-52	-33	-62		
Interconnection		-3	-17	-60	-15	19	6	5	-6	28	39	1	-16	-31	-8	21	44	10	44	-61	-46	-30	-60	-22	-72	-52	-27	29	36	22	-9	-8	-83	-76	-28	-26	-6	-8	3	-17	26	-16	-30	-14	-37	-16	-22	-3	-33		
System Total		13749	13361	13223	12915	12669	12502	12375	12112	12036	11965	11958	12074	12388	12606	12498	12497	13245	14276	15260	15823	16231	16502	16693	16943	16702	16581	16504	16551	16772	17097	16994	17014	16998	16901	16503	16061	15615	15440	15795	16293	16163	16266	15990	15898	15591	15329	14986	14647		
SRev ST-Coal		254	307	461	471	454	475	462	534	489	495	465	470	465	478	475	472	450	324	189	281	266	163	163	173	158	227	222	233	188	185	158	212	181	239	164	174	248	239	243	238	197	177	192	174	234	304	125	123		
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-2	-1	1	-2	-1	-1	57	7	3	1	-6	-10	-15	-12	-15	99	183	224	212	48	9	9	12	96	-8	-2	0	0			
SRev CCGT-Gas		992	1121	826	921	1152	1335	1456	1536	1602	1651	1736	1633	1335	1088	1154	1172	929	892	539	676	403	569	420	352	564	531	970	730	545	312	410	330	311	362	434	378	486	416	213	383	585	491	707	575	390	493	737	1068		
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev Co-Gen		8	7	8	9	8	7	8	7	8	11	7	8	6	7	9	9	8	9	7	7	7	10	10	8	8	12	12	13	13	15	15	15	13	12	13	12	12	11	10	11	8	10	10	11	11	12	11	8		
Syncon		915	915	915	915	915	764	915	865	1016	1016	1016	1016	1016	1016	1016	865	1016	1016	764	915	829	615	615	489	489	703	552	703	703	489	338	577	577	476	663	890	890	865	741	489	489	338	489	701	827	827	827	915		
Hydro		242	238	240	238	239	370	239	399	271	270	270	270	270	270	270	401	270	275	485	311	403	571	566	552	455	279	416	421	493	627	717	534	531	383	403	371	422	444	428	614	698	686	556	339	279	279	282	237		
S.Reserve Total		2411	2588	2450	2554	2768	2951	3080	3341	3386	3443	3494	3397	3092	2859	2924	2919	2673	2516	1984	2189	1906	1927	1775	1572	1698	1776	2254	2132	1945	1629	1632	1658	1598	1460	1662	1924	2241	2199	1847	1783	1986	1711	1966	1896	1733	1913	1982	2351		