

Daily System Generation Summary on Monday

Monday, June 08, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,522 MW
Distillate	0 MW
Total TNB	2,522 MW
Total IPP	17,770 MW
Total Co-Gen	0 MW
Total System	22,960 MW

Generation Mix

Type	MWh	Percentage
Hydro	11,167	3.67 %
Gas	27,038	8.88 %
Total TNB	38,205	12.54 %
ST-Coal	221,636	72.76 %
LSS	2,494	0.82 %
Gas	41,349	13.57 %
Total IPP	265,479	87.15 %
Co-Gen	198	0.06 %
Total Co-Gen	198	0.06 %
Total Generation	303,882	99.76 %
PLTG	-127	-0.04 %
HVDC	-615	-0.20 %
Interconnection	-742	-0.24 %
Net Energy	304,624	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:	21:00:00 Hour
Total Set On Bus	16,610 MW
TNB Generation	2,426 MW
IPP Generation	12,239 MW
Spinning Reserve	1,940 MW
Maximum Demand	14,663 MW
Net Energy	304,624 MWH
Load Factor	86.56 %

Fuel Cost

Total Cost:	45,424,080.39 RM
Cost per Unit	14.95 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,209
Hydro	218
Syncon	1,086
Thermal	512
Total	3,025

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	28
TJGS	167
Total TNB	195
CBPS	42
NPRI	125
PGLA	48
YPKA	20
Total IPP	235
Total Gas	430
Total Gas Required	430

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	13632	13067	12644	12240	11882	11652	11435	11137	10608	10989	11592	12069	12262	12541	12931	13003	13114	13093	12885	13125	14626	14663	14629	14530

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, July 07, 2020 1:06:15 PM

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

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		
LPIA	HY01	16	16	16	16	16	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	17	19	20	20	20
LPIA	HY02	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	10	10	10	10	10
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	5	5	5	5	6	6	6	7	7	7	7	7
PGAU	HY01	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	-1	19	
PGAU	HY02	-1	-1	21	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	18	-1	-1	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	31	31	31	31	31	0	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	30	0	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	0	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	25	25	25	25	25	25	0	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	0	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	25	25	25	25	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	25	25	0	
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	
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY04	31	32	32	33	32	33	31	33	33	32	32	33	33	33	31	33	33	-1	-1	-1	-1	33	33	32	32	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	-1	-1	-1	-1	89	
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	0	
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	
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	
Total Hydro		471	512	536	519	511	267	236	177	181	204	205	180	183	182	208	182	177	184	218	174	170	148	147	147	150	173
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
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	8	10	14	8	11	23	25	25	25	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	13	15	23	27	31	32	37	41	40	40	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	10	17	20	23	31	29	18	42	23	21	20	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	10	10	17	19	11	18	11	9	13	11	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	9	13	23	30	35	36	40	40	37	24	
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	10	19	27	31	36	40	39	44	47	24	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	9	16	21	26	30	33	38	35	39	41	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	4	6	7	37	41	30	29	39	38	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	9	19	30	35	39	27	30	38	40	37	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	5	7	20	17	22	31	36	38	39	39	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	13	34	81	125	195	228	250	294	313	342	332	312	
PCUF	CUFG	4	5	5	4	5	6	4	5	6	6	5	3	5	5	5	5	5	5	4	4	4	7	5	5	4	
PCUF	CUFK	3	4	2	2	4	3	3	3	4	5	2	2	3	4	4	5	3	4	4	4	4	5	4	4	2	
Total Co-Gen		7	9	7	6	9	9	7	8	10	11	7	5	8	9	8	11	7	9	9	9	9	11	9	9	7	
Total Gen		13649	13288	13067	12882	12601	12321	12221	11903	11801	11654	11602	11431	11408	11439	11135	10668	10593	10818	10975	11286	11602	11858	12037	12225	12233	
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	
TIE-HVDC		30	30	30	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-30	-30	-29	-30	-30	-30	-29	-29	-29	-30	-30	
TIE-PLTG		-10	-25	-27	10	-11	-35	13	-21	-48	-67	-18	16	5	28	31	-13	18	42	18	54	43	-11	-1	-10		
Interconnection		21	5	3	-19	-40	-64	-16	-51	-77	-97	-47	-13	-24	-1	-43	-12	13	-11	25	13	-39	-29	-39	-26		
System Total		13632	13287	13067	12904	12644	12388	12240	11957	11882	11755	11652	11447	11435	11443	11137	10714	10608	10808	10989	11264	11592	11900	12069	12267	12262	
SRev ST-Coal		395	451	464	467	466	476	458	563	605	535	544	664	663	587	880	899	924	911	890	876	717	648	574	509	518	
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	
SRev CCGT-Gas		623	812	1014	1186	1463	1489	1566	1678	1614	1651	1624	1578	1622	1667	1516	1653	1676	1520	1645	1444	1577	1541	1646	1593	1602	
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	
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	

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	
SRev Co-Gen		63	61	63	64	61	61	63	62	60	59	63	65	62	61	62	59	63	61	61	61	61	59	61	61	63	62	62	58	61	61	62	64	62	63	62	62	63	63	60	61	60	65	65	60	63	62	61	62
Syncon		1254	1254	1103	1254	1254	1204	1355	1456	1456	1305	1305	1456	1456	1456	1305	1456	1456	1456	1254	1104	1104	1255	1255	1255	1167	1016	979	979	916	1067	1067	916	1067	1254	1254	1103	1103	1254	1254	1254	1002	1002	851	1002	851	815	628	603
Hydro		138	137	265	131	139	333	213	171	166	294	294	168	165	166	291	166	171	164	332	240	244	115	116	116	114	242	169	235	353	173	158	292	119	114	124	261	260	143	175	135	242	239	376	242	438	308	224	420
S.Reserve Total		2473	2715	2909	3102	3383	3563	3655	3930	3901	3844	3830	3931	3968	3937	4054	4233	4290	4112	4182	3725	3703	3618	3652	3534	3464	3299	3140	3240	3287	3159	3230	3213	3206	3333	3350	3399	3534	3573	3386	2637	2037	1963	1944	2030	2053	1873	1725	1908