

Daily System Generation Summary on Tuesday

Tuesday, March 31, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,172 MW
Distillate	0 MW
Total TNB	2,172 MW
Total IPP	18,345 MW
Total Co-Gen	0 MW
Total System	23,051 MW

Generation Mix

Type	MWh	Percentage
Hydro	6,950	2.44 %
Gas	19,179	6.74 %
Total TNB	26,129	9.19 %
ST-Coal	193,275	67.96 %
LSS	2,668	0.94 %
Gas	62,232	21.88 %
Total IPP	258,175	90.78 %
Co-Gen	242	0.09 %
Total Co-Gen	242	0.09 %
Total Generation	284,546	100.05 %
PLTG	850	0.30 %
HVDC	-695	-0.24 %
Interconnection	155	0.05 %
Net Energy	284,391	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	15,157 MW
TNB Generation	1,299 MW
IPP Generation	12,041 MW
Spinning Reserve	1,808 MW
Maximum Demand	13,346 MW
Net Energy	284,391 MWH
Load Factor	88.79 %

Fuel Cost

Total Cost:	44,026,207.18 RM
Cost per Unit	15.48 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	155
Hydro	270
Syncon	983
Thermal	673
Total	2,081

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	31
TJGS	104
Total TNB	135
CBPS	55
NPRI	154
PLPS	57
YPKA	52
Total IPP	318
Total Gas	453
Total Gas Required	453

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	12808	12211	11659	11192	10827	10545	10408	10320	10089	10696	11190	11533	11725	11938	12319	12650	12715	12396	11898	12001	13328	13346	13287	13154

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, April 02, 2020 11:59:25 AM
(Ir. Shanmugam Thoppalan)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Tuesday

		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																								
PGAU	HY03		-1	-1	-1	-1	19	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	80	81	80	81	81	80	111	110							
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	0	0	0	0	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	0	0	0	0	0	0	0	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	0	0	0	0	0						
SYPS	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	0	0	0	0	0	0	0	0	0						
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	-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	-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		33	33	33	31	27	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33					
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	-1	-1	-1	-1	-1	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1						
UPIA	HY02		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5						
Total Hydro			158	158	175	156	146	221	160	170	200	172	200	174	158	169	212	157	198	158	159	153	154	176	202	300	320	320	258	314	349	332	350	340	426	366	312	291	290	290	297	337	584	583	584	460	415	412	409	596
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	3	6	8	12	16	20	21	24	26	27	27	28	25	25	24	23	21	18	21	0	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	4	11	17	23	30	33	39	41	35	27	36	25	24	43	13	19	32	21	29	4	1	3	1	0	0	0	0	0	0	0	0	0		
GELS	LSS1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	12	16	17	20	22	27	28	29	29	30	29	29	26	25	23	19	16	11	8	4	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	4	10	17	24	31	35	40	44	44	43	45	48	49	50	46	43	36	38	32	26	21	10	6	2	0	0	0	0	0	0	0	0		
JSLs	LSS1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	13	18	25	28	37	44	36	37	33	50	50	37	27	45	44	12	27	17	13	9	4	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	3	9	15	22	25	33	35	39	41	43	44	44	43	43	15	32	33	28	25	15	13	9	3	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	1	7	15	21	27	33	45	45	49	50	50	50	50	50	49	45	40	34	28	20	12	4	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	1	4	13	23	29	38	44	54	35	30	57	47	57	17	58	50	49	41	30	25	10	10	3	1	0	0	0	0	0	0	0	0		
SSLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	10	16	20	27	33	36	38	41	42	42	41	42	40	37	35	30	26	8	19	5	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	5	39	96	147	198	245	300	336	333	331	353	373	374	318	361	302	308	270	235	195	113	68	33	7	0	0	0	0	0	0	0	0		
PCUF	CUFG		6	5	4	5	4	5	5	5	6	6	5	4	6	7	5	6	5	5	6	5	4	6	5	5	6	6	6	5	5	5	5	4	6	6	4	5	6	5	6	5	5	5	5	5				
PCUF	CUFK		5	5	3	4	5	5	4	6	6	5	5	5	5	6	6	5	5	5	5	6	5	5	4	5	6	7	4	5	5	5	5	5	4	4	3	5	5	7	5	4	4	5	3	6	4			
Total Co-Gen			11	10	7	9	9	10	9	11	11	11	11	10	9	11	11	10	12	11	10	10	12	10	10	8	11	11	12	10	11	11	11	10	10	9	10	10	8	8	11	10	13	10	9	9	11	8	11	9
Total Gen			12814	12543	12228	11968	11678	11378	11195	10963	10774	10662	10501	10445	10398	10395	10310	9987	10043	10455	10651	11034	11189	11375	11546	11670	11740	11852	11938	12142	12336	12580	12694	12718	12760	12708	12451	12154	11925	11795	12023	12828	13296	13334	13349	13318	13278	13273	13117	12928
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			
TIE-HVDC			-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-28	-28	-28	-29			
TIE-PLTG			39	68	50	49	52	18	35	16	-20	1	-11	34	23	-5	23	-14	33	-12	23	33	26	46	61	47	61	34	42	50	77	77	55	78	89	87	74	60	60	55	-4	1	41	36	54	23	14	-5	1	
Interconnection			10	39	21	19	23	-11	6	-13	-50	-28	-40	5	-6	-34	-6	-1	-42	5	-41	-6	3	-3	17	32	19	32	4	12	21	48	68	26	49	60	58	44	30	30	-23	-28	12	7	26	-5	-14	-33	-28	
System Total			12808	12508	12211	11953	11659	11393	11192	10979	10827	10693	10545	10444	10408	10433	10320	9992	10089	10454	10696	11044	11190	11382	11533	11642	11725	11824	11938	12134	12319	12536	12650	12696	12715	12652	12396	12113	11898	11768	12001	12865	13328	13326	13346	13296	13287	13291	13154	12960
SRev ST-Coal			528	535	569	573	617	926	928	928	925	926	931	925	927	924	922	930	927	928	736	737	743	737	740	737	739	746	741	734	739	735	733	734	734	731	746	868	902	736	610	542	461	437	435	419	431	406	492	
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		
SRev CCGT-Gas			139	193	86	255	332	56	145	102	65	84	70	111	138	99	79	98	90	138	139	290	297	233	150	104	141	207	147	98	92	187	94	98	184	134	244	132	223	273	410	77	77	162	176	84	75	64	244	474
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	
SRev LSS			0	0	0	0	0	0	0																																									