

Daily System Generation Summary on Friday

Friday, March 01, 2019

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,417 MW
Distillate	0 MW
Total TNB	2,417 MW
Total IPP	16,276 MW
Total Co-Gen	80 MW
Total System	21,852 MW

Generation Mix

Type	MWh	Percentage
Hydro	8,424	2.28 %
Gas	35,353	9.57 %
Total TNB	43,777	11.86 %
ST-Coal	218,872	59.28 %
LSS	1,650	0.45 %
Gas	103,590	28.06 %
Total IPP	324,112	87.78 %
Co-Gen	1,856	0.50 %
Total Co-Gen	1,856	0.50 %
Total Generation	369,745	100.14 %
PLTG	-219	-0.06 %
HVDC	725	0.20 %
Interconnection	506	0.14 %
Net Energy	369,239	100.00 %

Maximum Demand Record

Date: 3/19/2019	18,402 MW
Date: 3/20/2019	390,048 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	18,716 MW
TNB Generation	2,495 MW
IPP Generation	14,727 MW
Spinning Reserve	1,419 MW
Maximum Demand	17,210 MW
Net Energy	369,239 MWH
Load Factor	89.40 %

Fuel Cost

Total Cost:	74,710,307.56 RM
Cost per Unit	20.67 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	564
Hydro	348
Syncon	811
Thermal	225
Total	1,948

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	50
TJGS	201
Total TNB	251
CBPS	52
KLPP	92
NPRI	150
PGLA	105
PLPS	88
PTEK	6
SGRI	47
SKSP	46
YPKA	67
Total IPP	653
Total Gas	904
Total Gas Required	904

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	15462	14822	14194	13750	13296	13200	13342	13271	13430	15109	15953	16632	16625	16251	16487	17178	17177	16874	15676	15413	16631	16614	16091	15787

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, March 27, 2019 10:56:52 AM

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

Daily MW Generation on Friday

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Daily MW Generation on Friday

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	
YPKA	GT11	97	99	98	99	65	64	65	65	64	64	64	65	65	65	65	64	65	64	65	64	128	129	130	129	130	66	67	66	128	126	126	126	127	127	122	98	67	67	67	125	127	126	127	128	127	127	126	127
YPKA	GT12	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	122	129	129	128	67	68	67	127	127	127	127	127	127	123	100	67	68	67	126	129	129	129	129	100	0	0	0
YPKA	ST10	68	41	41	41	32	32	31	32	31	32	32	31	32	31	32	32	31	32	32	32	52	112	124	125	126	82	82	83	116	124	124	124	124	125	119	108	82	81	82	113	122	122	123	122	53	53	53	54
YPKA	GT21	134	133	135	136	80	66	67	67	67	67	67	67	67	66	67	66	67	67	67	67	125	125	73	66	66	66	66	66	125	125	124	125	125	122	108	66	65	66	131	132	133	133	132	134	134	134	134	
YPKA	ST20	63	63	63	63	45	39	38	38	38	38	38	38	38	38	38	38	37	38	38	38	58	60	45	39	39	38	38	39	39	60	61	60	60	60	60	59	57	39	39	39	61	62	62	63	62	63	63	63
Total CCGT-Gas		5925	5420	5458	5249	5194	4888	4722	4548	4266	4257	4145	4150	4293	4342	4205	4080	4541	5342	5531	5814	6279	6631	6532	6512	6637	6434	6043	6130	6506	6676	6660	6842	6775	6913	6565	6524	6172	5847	5795	6521	6725	6723	6748	6644	6425	6381	6071	5886
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105	103	103	0	0	0	0	0	0	0	0	0	0	0		
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	105	105	105	104	105	0	0	0	0	0	0	0	0	0	0	
Total 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	100	105	105	210	207	208	0	0	0	0	0	0	0	0	0	0	
BSIA	HY02	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11			
CEND	HY01	9	9	10	10	9	9	10	9	10	9	10	9	10	10	10	10	9	9	9	9	10	9	9	10	9	10	9	9	10	10	9	9	10	10	9	10	9	10	10	10	9	10	10	9	9	9		
CEND	HY03	9	9	9	9	9	9	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9			
HTRG	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				
KNRG	HY02	36	37	36	37	37	37	37	37	37	36	37	37	37	37	36	37	25	26	26	25	25	26	25	26	26	26	26	26	26	26	26	26	26	25	26	25	26	26	26	26	26	26	25	26	26	26		
KNYR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101	100	99	99	97	97	99	99	99	99	99	99	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNYR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	99	99	99	96	96	99	99	99	100	100	99	93	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
KNYR	HY04	58	56	57	58	60	59	59	57	58	59	59	59	60	61	60	57	59	60	58	58	59	59	60	100	100	97	97	100	100	100	100	100	93	53	59	58	58	58	59	59	59	60	59	59	60	59		
LPIA	HY02	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21			
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	6	6	6	6	6	6	6	6	6	4	4	4	4	4	4	4	4		
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	22	22	22	22	22	20	-1	-1	-1	-1	-1	-1	-1	-1	-1			
PGAU	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	-1	-1				
PGAU	HY04	0	0	0	0	0	0	0	30	21	21	21	21	21	21	21	21	21	21	21	20	20	21	21	21	21	21	21	21	21	21	21	21	21	20	21	20	21	20	21	21	21	20	20	21	20			
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	51	31	31	50	0	0	0	0	51	50	50	49	49	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	50	50	50	50	50	50	30	30	30	30	30	30	30	30	30	30	30	51	50	
SIHY	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	19	51	51	51	51	51	31	31	31	31	31	31	31	31	31	31	31	51	51	
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	25	25	25	25	25	17	17	17	17	17	25	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	0	0	0	0	0	0	0	0	24	24	24	24	24	17	17	17	17	17	24	24	24	24	24	24	24	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	25	25	25	25	25	25	17	17	17	17	17	25	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	0	0	0	0	0	0	0	25	25	25	25	25	25	17	17	17	17	17	25	25	25	25	25	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
TMGR	HY02	34	36	35	36	36	36	36	35	36	36	36	36	36	36	36	34	36	36	33	36	36	36	36	36	38	38	38	38	38	38	38	38	67	36	39	39	40	41	41	40	41	41	41	41	40	41		
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	92	91	93	-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	-1	-1	-1			
UPIA	HY01	7	6	7	7	6	7	7	7	7	7	7	7	7	7	7	6	7	7	7	7	7	7	7	6	6	7	6	6	6	7	7	7	6	6	7	7	7	6	7	6	7	7	6	7	7			
Total Hydro		180	180	181	184	184	184	185	213	202	205	206	205	207	207	190	194	195	188	191	246	266	328	491	484	437	428	428	436	605	736	830	829	923	616	356	328	331	328	329	360	359	362	363	359	401	401	302	
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		
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	13	16	15	22	25	26	25	28	24	17	13	28	26	10	15	14	2	4	2	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																																			

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