

Daily System Generation Summary on Thursday

Thursday, September 28, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,999 MW
Distillate	0 MW
Total TNB	1,999 MW
Total IPP	17,907 MW
Total Co-Gen	0 MW
Total System	23,205 MW

Generation Mix

Type	MWh	Percentage
Hydro	14,484	3.96 %
Gas	45,548	12.44 %
Total TNB	60,032	16.39 %
ST-Coal	212,780	58.10 %
LSS	7,197	1.97 %
Gas	85,371	23.31 %
Total IPP	305,348	83.38 %
Co-Gen	465	0.13 %
Total Co-Gen	465	0.13 %
Total Generation	365,845	99.90 %
PLTG	370	0.10 %
HVDC	-728	-0.20 %
Interconnection	-358	-0.10 %
Net Energy	366,203	100.00 %

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	18,941 MW
TNB Generation	3,625 MW
IPP Generation	13,959 MW
Spinning Reserve	1,339 MW
Maximum Demand	17,597 MW
Net Energy	366,203 MWH
Load Factor	86.71 %

Fuel Cost

Total Cost:	78,071,951.47 RM
Cost per Unit	21.30 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,114
Hydro	276
Syncon	616
Thermal	372
Total	2,378

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	35
TJGS	86
Total TNB	121
CBPS	42
EMPP	253
KLPP	8
NPRI	131
PCGP	79
PLPS	55
SPGP	182
Total IPP	750
Total Gas	871
Total Gas Required	871

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	16114	15426	14840	14256	13817	13517	13494	13190	12850	13648	14343	14774	14734	14789	15513	15974	16407	16407	15996	16431	17597	17435	17148	17071

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, October 2, 2023 11:26:49 AM Head
Grid System Operator

(Ir. Shanmugam Thoppalan)

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						
JMAH	U001	694	695	689	696	695	696	695	696	694	698	696	696	696	696	696	696	696	695	696	695	696	695	696	694	696	696	691			
JMAH	U002	693	696	694	694	695	695	696	695	694	695	693	694	695	694	693	696	695	691	695	694	695	694	697	696	703	695	694	695	694	
JMHE	U001	893	900	902	897	899	896	901	903	896	903	899	898	899	897	856	846	850	852	849	848	875	897	901	901	897	899	901	900	900	
JMHE	U002	971	973	975	972	973	970	898	903	899	903	900	898	900	899	852	848	849	853	849	848	869	897	899	901	898	899	900	898	958	
JMJG	U001	673	670	667	670	671	672	673	672	672	671	672	671	672	678	666	665	651	662	669	667	668	676	677	677	671	663	666	671	657	
JMJG	U002	671	675	677	675	676	673	678	674	679	674	672	675	674	671	678	676	672	674	673	676	677	673	678	672	677	671	672	677	676	
JMJG	U003	598	594	598	597	593	599	601	594	598	600	596	585	595	581	587	589	588	584	589	586	590	587	599	576	615	681	671	672	671	
PKLG	U003	276	277	276	276	273	276	275	273	275	276	275	274	277	275	275	275	275	275	275	275	275	275	275	276	274	273	276	274	275	
PKLG	U004	276	274	272	273	271	270	270	270	271	275	274	279	274	273	278	277	272	274	275	275	279	276	274	273	276	279	272	275	276	
PKLG	U005	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	
TBIN	U001	689	692	689	689	690	691	688	607	598	600	601	601	600	601	598	544	499	498	499	497	499	498	499	500	450	398	398	399	397	
TBIN	U002	687	692	688	688	687	689	688	608	601	602	602	602	603	602	601	544	500	500	501	500	501	500	500	500	450	401	401	400	401	
TBIN	U003	685	687	688	687	686	686	688	610	598	596	596	597	599	597	598	548	546	547	549	546	495	500	499	501	454	398	400	400	400	
TBIN	U004	983	982	985	982	985	983	939	903	902	904	903	902	901	903	895	854	853	855	854	854	857	903	902	903	903	902	903	936	981	
Total ST-Coal		9249	9267	9260	9256	9254	9256	9150	8868	8837	8857	8839	8832	8842	8821	8746	8514	8418	8414	8426	8415	8436	8518	8551	8527	8422	8323	8304	8309	8408	
Total ST-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total 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	
CBPS	BLK2	351	211	212	210	211	206	207	210	208	211	212	210	205	206	210	201	207	206	205	203	211	204	209	209	204	203	212	211	212	210
EMPP	BLK1	679	674	661	577	409	406	409	412	408	411	435	407	409	408	413	400	407	409	402	398	412	400	409	409	403	404	437	553	657	708
EMPP	BLK2	680	667	664	569	410	407	409	411	409	409	440	407	409	408	413	399	407	409	403	398	409	399	409	409	403	403	442	556	656	704
EMPP	BLK3	679	668	660	574	410	407	409	411	409	409	436	406	408	408	413	399	407	410	403	398	408	400	410	409	403	401	441	556	656	709
GLGR	GT01	67	67	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GLGR	GT02	66	66	94	95	94	94	93	93	93	93	94	93	93	93	93	93	94	94	93	93	93	93	93	93	93	93	94	94	95	
GLGR	ST1C	70	70	46	41	42	42	42	41	41	41	41	41	40	40	41	41	42	41	41	41	41	41	41	41	41	41	41	41	41	
KLPP	GT14	116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KLPP	GT15	103	112	112	112	112	112	112	112	112	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	ST17	131	63	64	64	64	64	63	64	63	64	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NPRI	BLK1	500	513	416	308	310	301	305	307	303	309	310	304	300	302	308	295	302	304	301	296	306	297	307	303	297	297	307	308	307	484
NPRI	BLK2	506	519	409	329	331	322	326	329	325	331	341	328	322	323	332	316	324	323	322	330	329	319	329	328	320	319	330	329	329	334
PCGP	PGRG	577	604	604	600	480	429	435	443	439	446	453	399	386	389	395	376	390	389	385	378	399	480	496	595	582	580	601	602	602	600
PLPS	GT11	111	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PLPS	GT12	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PLPS	GT13	108	109	123	124	125	125	124	124	125	124	124	124	124	124	124	124	124	125	124	125	124	125	124	126	125	124	126	125	140	
PLPS	ST18	171	114	58	58	58	59	58	58	58	58	58	58	58	59	58	58	58	58	58	58	58	58	58	58	56	57	57	55	56	
SPGP	BLK1	717	718	718	720	722	597	398	360	361	360	361	362	421	418	360	362	360	442	537	634	717	699	709	703	693	697	706	703	702	
SPGP	BLK2	0	206	263	485	694	703	708	710	709	563	449	449	421	417	360	360	358	440	539	636	711	692	701	699	691	704	710	706	706	
TJGS	GT2A	168	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	153	
TJGS	GT2B	165	130	129	130	129	130	130	130	130	130	130	130	129	130	130	130	130	130	129	129	130	129	129	129	129	128	130	130	129	
TJGS	ST2C	224	190	189	190	189	189	189	189	189	189	189	189	189	189	190	190	190	190	190	190	190	190	190	190	190	190	190	190	198	
Total CCGT-Gas		6203	5903	5582	5318	4922	4725	4550	4536	4514	4392	4229	4038	4046	4047	3973	3878	3930	4100	4264	4440	4671	4658	4746	4832	4764	4774	4950	5293	5596	
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
BSIA	HY01	20	0	0	0	0	0	0	0	0	0	0	0	0	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	
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
HTRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	118	68	0	0	0	
HTRG	HY02	64	-1	-1	-1	69	-1	-1	-1	-1	-1	61	68	68	-1	-1	64	-1	-1	-1	-1	-1	68	68	68	
HTRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	3	3	
HTRG	HY04	3	3	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23	23	23	
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	23	23	23	
KNRG	HY03	22	22	22	22	22	22	22	22	23	23	23	23	23	23	23	23	23	23	23	39	39	39	20	20	
KNYR	HY01	97	98	98	99	99	99	98	98	59	-1	-1	96	96	96	96	95	95	95	95	95	95	95	95	95	
KNYR	HY02	99	99	99	99	99	99	99	99	61	61	61	99	100	99	61	61	61	100	99	99	99	99	99	99	
KNYR	HY03	97	97	97	98	98	98	98	98	59	58	58	98	99	98	57	57	57	97	96	97	97	97	97	97	
KNYR	HY04	92	96	99	97	99	95	59	60	59	60	100	59	59	60	61	58	58	58	57	59	79	58	58	59	
LPIA	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
LPIA	HY02	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-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	17	19	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	
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	
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	
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	
TMGR	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	
TMGR	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	
TMGR	HY04	41	43	43	41	41	40	41	42	42	42	53	42	41	41	42	38	41	42	42	41	43	39	41	41	
UJLI	HY01	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
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	
Total Hydro		647	549	552	551	622	547	511	501	404	326	377	500	563	569	394	318	321	563	511	498	520	512	495	496	493
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	
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	3	10	8	14	20	22	18	
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	10	12	16	27	11	30	32	
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	9	17	22	25	28	31	34	31	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	13	15	23	26	27	34	37	32	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	22	29	20	27	36	40	41	
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	11	17	11	18	24	25	20	29	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	14	18	23	30	34	41	29	44	
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	12	18	20	26	14	28	26	
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	13	18	23	30	24	33	38	33	
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	19	23	44	58	68	79	68	81	92	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	10	18	20	24	32	39	37	42	
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	10	15	19	23	27	19	31	
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	14	19	44	41	42	97	93	93	100	
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	5	12	9	13	26	30	30	30	
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	6	4	5	15	24	23	27	22	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	5	15	11	27	45	37	44	30	
MNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	9	16	67	87	91	94	84	93	95	

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																								
PKLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	8	18	28	39	50	93	93	104	104	104	104	99	88	80	95	80	65	55	34	19	9	4	4	0	0	0	0	0	0	0	0				
SNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	14	21	25	38	43	37	29	50	39	50	50	47	43	36	34	38	26	31	24	11	5	1	0	0	0	0	0	0	0	0	0		
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8	23	31	37	43	48	50	55	55	55	55	53	51	48	43	31	30	23	14	8	1	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	1	8	8	10	14	25	24	24	34	37	38	33	41	30	32	23	19	18	13	11	9	7	4	1	0	0	0	0	0	0	0	0	0		
STLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	12	15	19	22	25	25	28	27	29	19	11	8	13	11	18	14	11	7	2	1	0	0	0	0	0	0	0	0	0	0		
TBLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8	10	14	28	30	30	30	30	30	30	30	30	30	30	15	24	20	25	19	13	3	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	30	118	227	414	529	655	866	927	940	1018	996	965	965	917	871	810	803	706	569	451	343	195	75	10	5	0	0	0	0	0	0	0	0	0	
ESTL	ESTL	12	8	0	0	0	0	8	7	8	8	12	12	16	14	14	13	12	10	13	12	0	10	16	14	8	0	0	1	0	0	0	0	0	0	14	0	0	0	11	2	0	0	6	2	0	9		
KHTC	BLK1	-27	-25	-24	-26	-25	-23	-23	-24	-20	-19	-18	-19	-23	-21	-20	-19	-21	-25	-27	-28	-32	-34	-35	-36	-38	-40	-41	-39	-42	-43	-46	-45	-43	-42	-42	-44	-42	-41	-38	-38	-37	-33	-33	-29	-29	-27	-30	
PCUF	CUFG	26	27	28	28	27	27	28	27	28	27	28	28	27	26	28	28	26	26	25	25	24	23	23	21	23	22	22	22	22	22	23	22	22	23	24	24	24	24	23	24	24	25	24	25	26	25		
PCUF	CUFK	19	19	19	18	17	19	19	18	18	20	20	19	19	15	14	15	15	15	15	14	15	15	14	15	13	15	16	15	16	13	14	15	15	15	13	14	16	15	17	15	15	15	14	16	16	16		
PFTZ	PFTZ	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
Total Co-Gen		34	33	27	24	23	27	28	33	37	40	42	44	39	44	41	41	37	36	30	30	28	10	18	23	17	12	-1	0	4	-1	-1	-6	-5	-2	0	1	11	0	3	4	18	8	9	11	19	18	19	24
Total Gen		16133	15752	15421	15149	14821	14555	14239	13938	13792	13615	13487	13414	13490	13481	13154	12781	12824	13340	13645	13912	14310	14564	14737	14818	14714	14599	14759	15108	15467	15771	15924	16150	16404	16616	16430	16238	15980	15956	16419	17508	17602	17493	17432	17407	17149	17164	17055	16763
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		
TIE-HVDC		-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30		
TIE-PLTG		49	35	26	25	12	20	13	6	5	-14	0	2	27	16	-6	11	4	15	27	19	-2	-8	-7	-6	10	-4	0	-3	-16	-12	-20	9	28	37	54	58	14	44	19	49	35	34	27	35	32	2	14	25
Interconnection		19	4	-5	-5	-19	-10	-17	-24	-25	-44	-30	-28	-4	-14	-36	-19	-26	-16	-3	-12	-33	-38	-37	-36	-20	-34	-30	-34	-46	-42	-50	-21	-3	6	23	27	-16	14	-12	19	5	4	-3	5	1	-28	-16	-6
System Total		16114	15748	15426	15154	14840	14565	14256	13962	13817	13659	13517	13442	13494	13495	13190	12800	12850	13356	13648	13924	14343	14602	14774	14854	14734	14633	14789	15142	15513	15813	15974	16171	16407	16610	16407	16211	15996	15942	16431	17489	17597	17489	17435	17402	17148	17192	17071	16769
SRev ST-Coal		173	155	162	166	168	166	271	489	492	473	492	497	491	508	528	556	563	571	560	562	517	510	478	506	529	494	517	510	412	366	359	354	346	363	351	257	135	169	199	203	178	166	185	158	184	171	191	165
SRev CCGT-Gas		913	1044	1176	1470	2101	2298	2473	2337	2359	2481	2644	2760	2752	2751	2825	2920	2868	2698	2534	2358	2127	2140	2052	1966	2034	2024	1848	1505	1202	895	680	472	304	325	287	606	771	889	771	598	372	298	335	379	408	314	384	599
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 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	
SRev Co-Gen		0	0	-1	0	0	0	0	3	0	0	0	-1	3	-2	0	0	1	-1	0	-1	0	0	0	0	0	0	0	0	0	0	1	0	-1	-1	-3	0	0	0	2	0	0	0	1	-2	-2	0	0	0
Syncon		478	604	791	791	665	791	791	791	640	892	892	791	665	665	766	892	892	665	640	791	791	640	791	791	791	791	791	791	791	791	640	791	604	640	791	791	665	665	0	0	302	302	302	516	791	791	791	
Hydro		166	90	86	87	142	91	127	137	385	211	160	138	201	195	269	219	216	201	278	140	118	277	143	142	145	144	101	101	100	100	110	261	102	204	268	166	128	210	190	345	789	547	553	563	410	152	159	219
S.Reserve Total		1730	1893	2214	2514	3076	3346	3662	3757	3876	4057	4188	4185	4112	4117	4388	4587	4540	4134	4012	3850	3553	3567	3464	3405	3499	3453	3257	2907	2505	2153	1940	1726	1542	1493	1546	1820	1825	1935	1825	1146	1339	1313	1375	1403	1516	1426	1525	1774