

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,462 MW
Distillate	0 MW
Total TNB	2,462 MW
Total IPP	20,046 MW
Total Co-Gen	0 MW
Total System	25,499 MW

Generation Mix

Type	MWh	Percentage
Hydro	19,337	5.29 %
Gas	51,488	14.08 %
Total TNB	70,825	19.36 %
ST-Coal	180,895	49.45 %
LSS	5,054	1.38 %
Gas	108,465	29.65 %
Total IPP	294,414	80.49 %
Co-Gen	652	0.18 %
Total Co-Gen	652	0.18 %
Total Generation	365,891	100.03 %
PLTG	772	0.21 %
HVDC	-675	-0.18 %
Interconnection	97	0.03 %
Net Energy	365,794	100.00 %

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 5/24/2022	398,523 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	18,895 MW
TNB Generation	3,889 MW
IPP Generation	13,503 MW
Spinning Reserve	1,479 MW
Maximum Demand	17,454 MW
Net Energy	365,794 MWH
Load Factor	87.32 %

Fuel Cost

Total Cost:	121,946,538.39 RM
Cost per Unit	33.33 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	325
Hydro	425
Syncon	622
Thermal	469
Total	1,841

Time Weather Temperature

Afternoon	Cloudy	31
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	51
TJGS	193
Total TNB	244
CBPS	49
EMPP	305
NPRI	154
PCGP	89
PLPS	69
SKSP	36
SPGP	107
Total IPP	811
Total Gas	1,054
Total Gas Required	1,054

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	14439	13690	13338	12991	12678	12536	12985	13117	13528	15252	15998	16511	16340	16287	16906	17289	17403	17084	16184	16447	16735	16525	15869	15360

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, December 5, 2022 12:33:50 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Wednesday

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	U002	556	208	215	213	213	214	215	214	213	213	214	214	212	214	213	412	658	698	706	701	701	704	703	699	702	702	703	702	700	704	702	702	705	711	703	704	701	701	702	699	703	703	702	703	504	289			
JMHE	U001	501	499	617	699	701	698	701	700	701	698	700	699	699	700	696	700	696	700	734	800	904	973	977	979	973	977	977	972	973	976	977	976	978	973	979	972	974	974	977	980	975	975	978	973	978				
JMHE	U002	899	899	899	894	849	849	850	851	850	845	849	848	850	851	850	950	973	968	976	966	974	977	958	963	964	963	965	962	973	975	978	975	978	973	979	975	974	976	977	980	976	974	978	979	976				
JMJG	U001	673	673	672	669	669	670	672	672	671	671	673	672	674	673	669	669	671	672	673	674	676	673	671	677	676	675	673	671	673	667	671	673	674	675	673	676	673	674	673	672	671	671	672	675	671	672	672		
JMJG	U002	674	672	675	672	676	673	672	673	674	673	674	676	675	674	673	673	674	668	676	676	672	674	675	675	673	674	673	673	677	674	671	673	678	673	675	674	677	675	675	671	679	671	677	672	675	678	673	671	
JMJG	U003	668	669	668	668	671	666	667	667	668	666	669	665	671	665	672	665	671	667	669	668	666	670	666	669	606	605	615	604	603	612	605	677	671	667	669	672	666	672	668	672	667	669	668	661	651	634	643	640	
JMJG	U004	952	903	902	902	854	853	854	854	852	855	855	857	857	856	855	853	854	897	954	969	973	969	973	971	973	971	971	972	973	974	972	971	971	972	974	974	972	972	972	972	972	973	972	974	973	972	972		
JMJG	U005	929	904	899	897	848	843	845	846	846	845	844	845	848	849	850	943	996	1009	1010	1011	1008	1013	1009	1012	1011	1012	978	979	981	979	982	980	981	980	981	977	983	982	977	979	981	977	972	976	977	977	976		
PKLG	U003	150	151	151	151	151	150	150	150	150	150	150	150	151	151	151	151	151	151	151	150	150	150	150	150	150	150	150	150	149	151	150	151	150	151	150	151	151	150	150	151	150	150	151	151	151				
PKLG	U005	268	269	267	269	268	269	269	267	268	268	271	269	269	267	271	270	267	267	269	261	267	270	271	268	268	264	268	269	269	269	272	271	268	267	269	268	267	269	269	271	272	269	269	269	268	268	269		
PKLG	U006	270	269	269	269	267	267	269	268	269	268	269	268	269	268	269	269	269	269	269	268	269	269	269	274	269	267	269	268	268	269	269	268	269	268	269	268	269	268	269	268	269	268	269	270	269	267			
TBIN	U001	212	210	211	212	212	211	212	212	211	212	212	210	212	211	212	212	212	211	212	211	212	211	210	211	211	212	212	211	211	209	212	210	211	212	210	212	211	212	212	211	211	211	211	213	213	212			
TBIN	U002	209	214	213	216	212	213	214	213	213	214	212	212	213	214	211	214	213	216	213	213	212	340	480	451	312	303	304	303	303	302	302	301	302	302	302	302	240	214	216	213	295	352	351	353	270	213	211	214	213
TBIN	U003	214	213	214	214	215	213	214	213	214	213	213	213	213	213	214	213	213	213	213	213	212	213	214	212	213	213	212	212	214	213	213	211	214	213	211	214	215	213	214	214	213	212	212	213	212				
Total ST-Coal		7175	6753	6872	6945	6806	6789	6804	6800	6801	6792	6806	6798	6811	6807	6800	6803	6902	7292	7639	7675	7702	7850	8070	8143	8001	7986	8005	7953	7960	7972	7943	8039	8040	8035	8041	7994	7941	7965	7941	8026	8090	8084	8095	7985	7927	7917	7721	7498	
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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
CBPS	BLK2	357	360	355	304	201	197	196	197	200	196	201	199	199	206	248	194	201	363	360	355	365	357	363	353	354	353	362	361	360	362	361	357	361	363	353	359	356	361	361	360	355	360	361	360	353	360	358	357	
EMPP	BLK1	696	711	688	686	711	691	689	638	511	451	412	636	706	716	675	679	711	415	688	699	713	702	709	603	675	586	624	705	710	718	720	703	710	710	684	710	689	711	709	708	688	709	706	709	690	710	704	694	
EMPP	BLK2	696	711	688	687	710	692	688	693	707	693	658	699	703	716	674	685	710	710	710	698	713	705	709	676	697	689	711	709	709	718	721	700	711	711	684	710	689	711	710	709	688	710	708	710	688	710	704	694	
EMPP	BLK3	696	711	688	686	710	691	689	694	709	694	710	703	715	674	685	709	709	710	697	713	705	709	676	697	689	711	709	710	718	721	699	710	711	680	711	689	711	709	709	688	711	708	711	691	710	710	707	694	
GLGR	GT01	68	66	67	66	66	66	67	66	66	65	66	65	67	65	65	67	68	66	65	67	109	109	106	64	64	66	76	110	109	109	108	109	108	107	109	110	109	94	105	103	102	104	103	103	67	66	67		
GLGR	GT02	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	110	110	104	65	66	66	78	109	107	107	107	107	107	107	107	107	108	107	96	103	103	103	103	103	103	65	66	66	
GLGR	ST1C	70	70	70	71	71	70	71	71	70	70	71	71	71	71	70	70	70	70	71	71	94	99	98	75	70	70	72	97	99	99	99	100	100	99	99	99	99	99	100	85	94	93	94	95	94	94	76	70	70
NPRI	BLK1	512	515	509	507	517	442	391	308	311	303	310	309	308	523	497	506	516	517	515	509	520	541	530	553	548	546	544	545	545	542	543	543	542	542	545	544	545	543	517	515	517	514	517	515	506	516	513	511	
NPRI	BLK2	517	518	514	511	519	512	393	304	310	303	310	309	476	525	500	340	350	519	519	511	524	514	520	509	511	509	519	520	518	525	522	512	517	516	505	517	510	517	516	515	509	515	518	516	508	517	514	511	
PCGP	PGRG	597	599	593	590	602	592	594	596	602	593	601	601	596	616	577	589	603	603	601	593	609	596	603	588	592	591	600	601	601	617	627	597	606	605	587	604	593	603	601	599	594	601	602	600	593	602	599	597	
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	124	125	125	124	123	124	124	123	124	123	124	124	124	124	123	124	123	124	124	125	124	125	120	123	122	108	111	136	136	141	140	136	136	135	131	135	133	111	134	134	132	134	134	132	111	111	109		
PLPS	ST18	59	58	59	59	59	59	59	59	59	59	58	59	59	59	59	60	60	60	60	59	59	59	60	116	134	133	145	143	143	152	209	210	212	212	210	209	195	208	209	208	209	209	209	210	167	133	130		
SKSP	BLK1	0	0																																															

Daily MW Generation on Wednesday

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	
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	
HTRG	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	
HTRG	HY03	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	36	36	36	36	
KNRG	HY03	39	39	39	39	39	39	39	39	39	39	39	39	38	38	38	38	38	38	38	38	22	22	38	38	
KNYR	HY01	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	
KNYR	HY02	103	103	103	102	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	102	103	103	103	103	
KNYR	HY03	100	99	99	99	98	98	97	97	97	97	98	98	99	99	100	100	99	99	98	98	97	96	96	97	
KNYR	HY04	100	101	101	101	101	101	101	100	101	101	101	101	100	100	101	100	101	101	101	101	101	101	101	101	
LPIA	HY01	22	21	22	22	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
LPIA	HY02	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	20	18	21	21	21	21	21	21	
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	20	-1	-1	-1	-1	-1	-1	20	22	22	22	21	21	22	21	22	82	82	81	
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	20	22	22	22	21	22	22	21	21	21	21	22	83	83	83		
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	22	22	22	22	21	21	21	21	21	21	21	21	
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	21	22	22	22	21	21	21	21	22	81	82		
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	50	50	50	0	0	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	50	51	51	51	51	0	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	0	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	25	25	0	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	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	
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	HY04	41	41	40	40	61	40	39	40	42	40	42	41	43	82	37	40	41	41	40	82	41	45	39	41	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	95	99	87	93	183	141	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	96	101	89	95	95	84	
UPIA	HY01	6	5	6	6	6	5	5	6	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		585	583	583	582	604	583	600	579	584	602	583	584	586	627	580	668	673	674	673	668	751	801	713	704	707
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
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	9	7	20	20	21	23	21	27	26	18	
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	7	9	11	15	21	10	14	9	9	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	6	6	8	10	16	16	22	23	26	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	4	8	16	21	12	33	35	37	28	13	48	36	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	3	15	24	28	29	30	39	38	39	31	31	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	8	10	12	14	15	27	22	25	29	
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	6	7	7	14	17	19	23	29	28	
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	11	15	25	12	30	35	44	45	49	40	47	
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	9	16	17	23	27	43	47	56	57	91	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	7	9	12	14	21	21	22	37	33	
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	6	6	9	10	14	19	16	18	26	
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	10	24	30	31	33	71	53	82	83	100	100	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	5	8	10	10	17	16	29	25	30	30	23	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	8	18	28	21	25	38	29	32	25	21	17	
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	39	65	70	60	29	68	72	63	43	39	33	
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	25	33	45	71	86	96	92	87	107	65	60	55	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	10	15	34	39	43	51	52	52	52	44	

Daily MW Generation on Wednesday

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		
SSSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	7	8	11	24	34	25	46	43	42	44	32	32	46	24	17	9	12	5	3	1	0	0	0	0	0	0	0	0	0	0	
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	7	15	18	13	16	18	22	20	16	13	11	13	5	9	9	10	6	1	0	0	0	0	0	0	0	0	0	0	0	0	
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	3	28	20	27	28	11	16	20	15	18	24	15	17	5	2	2	4	5	3	1	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	0	26	146	256	370	405	472	616	661	693	722	722	735	709	643	636	543	484	439	339	252	149	75	18	4	3	2	0	0	0	0	0	0	0	0
ESTL	ESTL	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15		
KHCT	BLK1	4	5	5	2	3	1	3	2	2	4	3	1	2	2	4	3	2	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	2	1	3	2		
PCUF	CUGF	5	5	4	4	5	6	4	4	4	4	5	4	4	4	4	5	6	6	5	4	5	3	4	6	4	4	4	5	5	5	5	4	6	5	5	5	5	4	4	5	5	9	9	8	9	9			
PCUF	CUFK	4	5	3	4	3	3	3	3	4	3	5	4	3	4	3	4	5	4	5	3	5	4	4	6	3	4	4	4	4	4	3	5	3	3	4	4	26	28	27	26	4	3	3	4	5	3			
Total Co-Gen		28	30	27	25	26	25	25	24	25	26	28	24	24	25	26	27	28	26	28	24	25	22	23	27	22	23	23	24	24	23	25	22	24	24	24	24	46	48	46	45	24	23	22	27	30	30	28	32	29
Total Gen		14389	13871	13651	13440	13308	13113	12963	12732	12664	12541	12518	12763	13007	13383	13129	13089	13503	14433	15181	15593	15943	16349	16558	16533	16492	16358	16384	16615	16930	17131	17230	17313	17352	17416	17098	16583	16239	16041	16534	16951	16790	16700	16491	16337	15908	15635	15320	15020	
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		-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28		
TIE-PLTG		-21	-35	-11	32	-2	20	0	-1	14	31	10	-10	50	6	40	34	3	-28	-43	43	-27	125	76	57	180	212	125	102	52	-43	-31	48	-23	-10	43	29	84	96	116	-4	84	79	-5	22	67	-34	-12	4	
Interconnection		-50	-63	-39	4	-30	-8	-28	-29	-14	3	-18	-38	22	-22	12	6	-25	-56	-71	15	-55	97	47	29	152	184	97	74	24	-71	-59	20	-51	-38	14	1	55	68	87	-33	55	51	-34	-6	39	-62	-40	-24	
System Total		14439	13934	13690	13436	13338	13121	12991	12761	12678	12538	12536	12801	12985	13405	13117	13083	13528	14489	15252	15578	15998	16252	16511	16504	16340	16174	16287	16541	16906	17202	17289	17293	17403	17454	17084	16582	16184	15973	16447	16984	16735	16649	16525	16343	15869	15697	15360	15044	
SRev ST-Coal		683	753	786	762	754	765	762	759	761	763	758	760	753	758	760	764	711	615	497	451	432	411	335	429	519	445	428	482	473	461	492	486	483	485	481	468	493	473	491	495	489	492	481	507	508	477	550	554	
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 CCGT-Gas		844	440	776	1057	1073	1229	1411	1616	1691	1824	1844	1588	1359	1021	1222	1380	1541	1110	824	474	302	235	204	472	398	590	598	310	181	142	248	259	206	210	350	208	299	330	296	290	482	275	274	272	382	480	530	607	
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	
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	
SRev Co-Gen		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Syncon		1104	1104	1104	1104	1104	1104	953	1104	1104	953	1104	1104	1104	1104	1104	802	802	802	802	802	802	615	802	802	802	802	802	802	802	428	428	428	428	428	428	428	615	615	953	428	428	428	428	802	802	953	953	953	953
Hydro		80	82	82	83	61	82	216	86	81	214	82	81	79	38	85	399	394	393	394	399	356	493	394	403	400	402	400	380	584	546	417	557	529	356	453	320	448	242	469	396	427	515	317	291	251	121	120	117	
S.Reserve Total		2711	2379	2748	3006	2992	3180	3342	3565	3637	3754	3788	3533	3295	2921	3171	3345	3448	2920	2517	2126	1892	1754	1735	2106	2119	2239	2228	1974	1666	1577	1585	1730	1646	1479	1712	1611	1855	1998	1684	1609	1826	1710	1874	1872	2094	2031	2153	2231	