

Petcoke Supply & Demand

- Current petcoke production ~ 20,000 TPD (Feb. 2007 statistics, AEUB)
- Future (2015): ~ 40,000 TPD (Jacobs)
- Stockpiles of petcoke
 - 54 million tonnes currently (AEUB)
 - Syncrude: Fluid coke - gross heating value ~13,900 btu/lb
 - Suncor: Delayed Coke - gross heating value ~15,100 btu/lb
 - Low ash and high S
 - Represent a huge energy reserve
 - 1000 MW IGCC requires 6000 t/d petcoke

Alberta Petroleum Coke Forecast

Year	Coking Capacity Additions million DMT/yr	New Production million MT/yr ¹	Total Petcoke Production million MT/yr ¹	Petcoke consumed million MT/yr ¹	Petcoke Sales million MT/yr ¹	Petcoke to Long-Term Storage million MT/yr	Long-Term Storage Inventory ² million MT/yr
2007			5	1.7	0.5	3	23
2008	2.5	0.9	6	1.7	0.6	4	27
2009	0.5	2.1	8	1.7	?	6	33
2010	2.0	1.3	9	1.7	?	8	41
2011	2.2	2.1	12	1.7	?	10	51
2012	2.2	2.2	14	1.7	?	12	63
2013	2.4	2.3	16	1.7	?	14	77
2014	0.6	1.5	18	1.7	?	16	93
2015	3.1	1.9	19	1.7	?	18	111
2016	1.8	2.5	22	1.7	?	20	131
2017	2.0	1.9	24	1.7	?	22	153
2018		1.0	25	1.7	?	23	176
2019			25	1.7	?	23	199
2020			25	1.7	?	23	222

¹ @ 8.0% moisture

² Assumes 20 million MT in long-term storage at end of 2006 (conservative estimate).

Years 2013 through 2017 include proposed coking capacity additions

JACOBS
CONSULTANCY

AERI