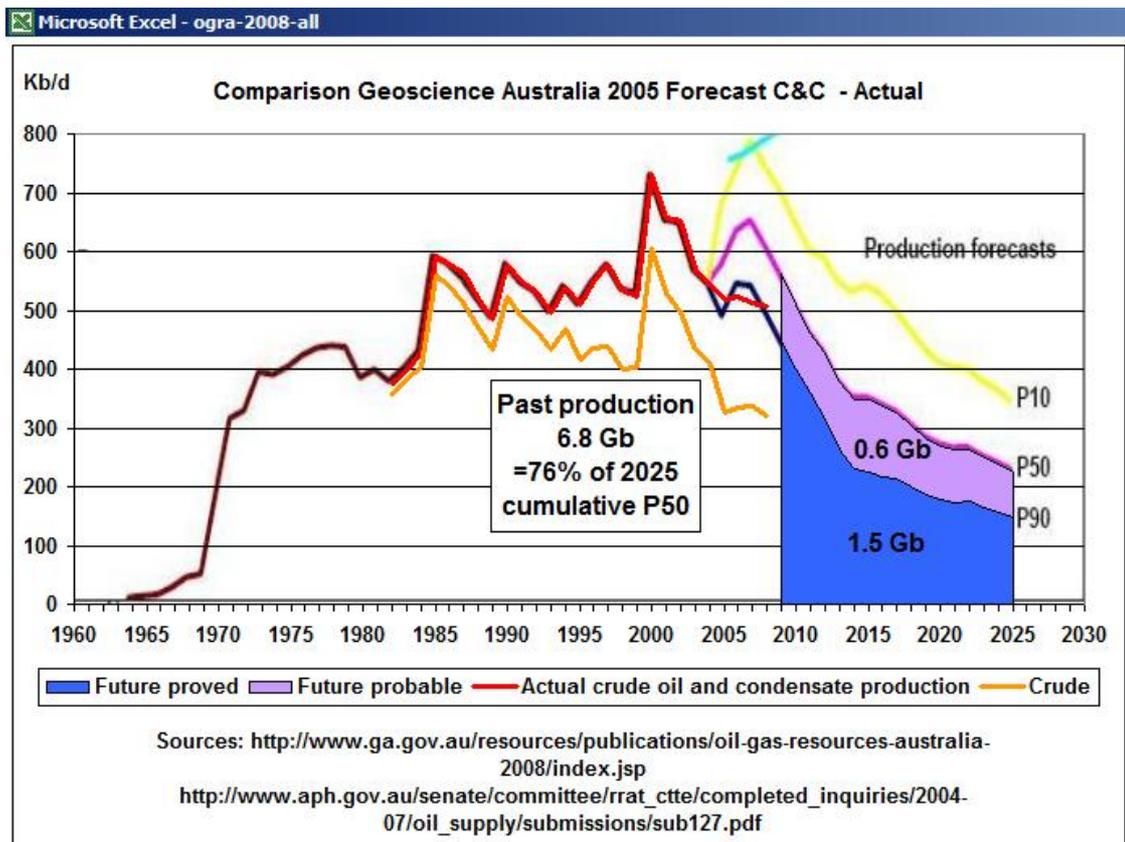
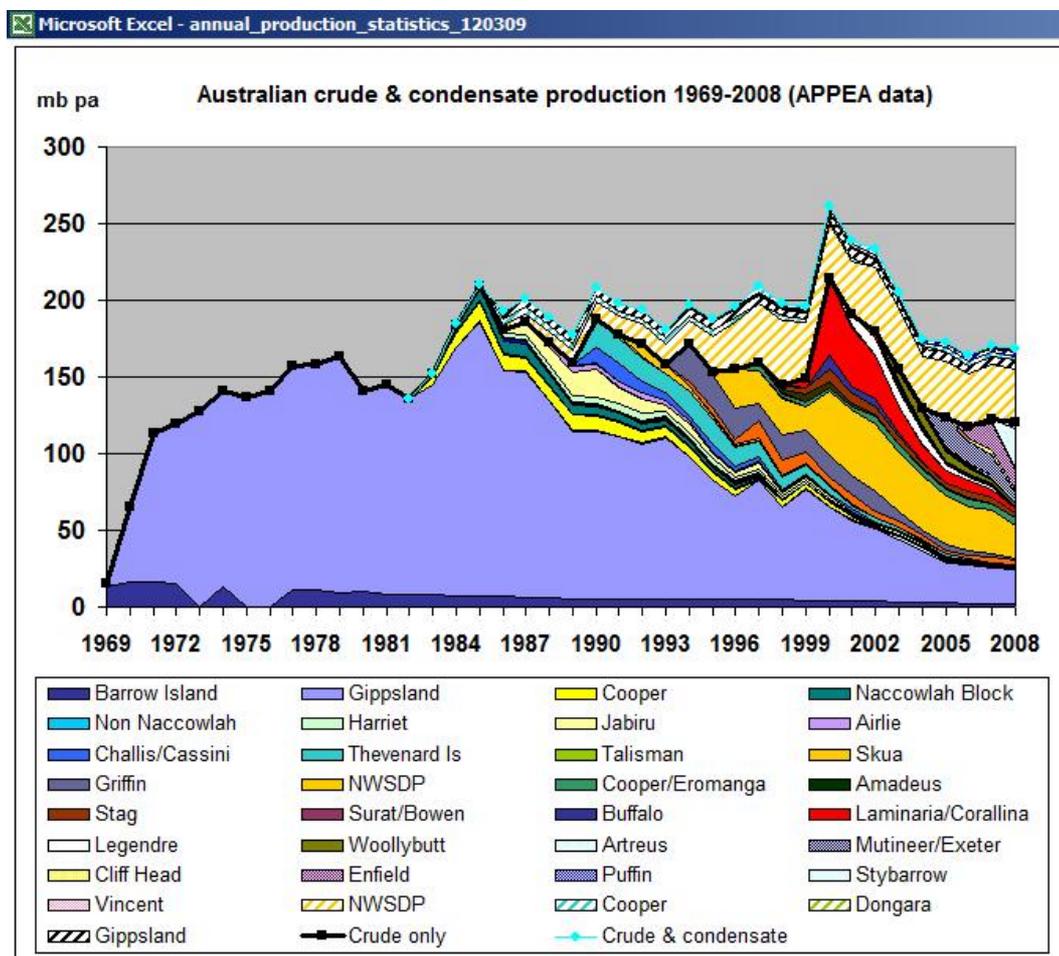


Australia is in the last quarter of its oil age

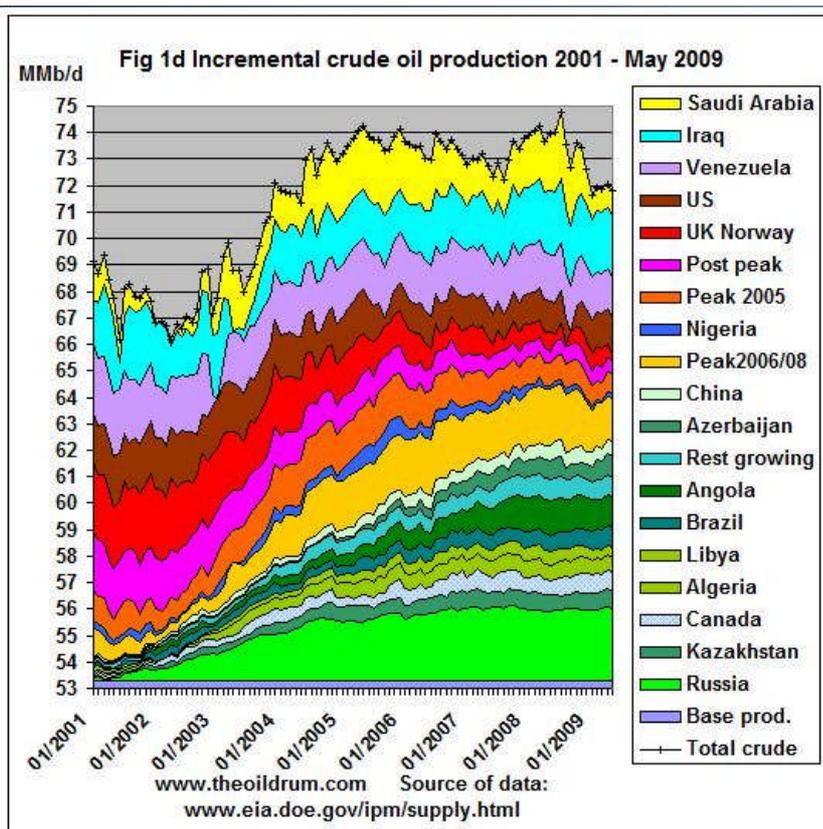


Production in the last 3 years has been running along the P90 estimate. If that continues, Australia is depleted by a whopping 82%. Oil after 2025 will be used for vital services only



A myriad of smaller oil fields cannot offset decline in Gippsland. Only 5% of condensate can be used in our refineries. Australia consumed 340 mb in 2008, production was only 120 mb of crude oil
 Data from: http://www.appea.com.au/index.php?option=com_content&task=blogsection&id=7&Itemid=32

Global crude oil peak 2005-2008 triggered financial crisis: www.theoil drum.com/node/5047#more



Bumpy Crude Oil Plateau in the Rear View Mirror

Oilympic peak July 2008

www.theoil drum.com/node/3793

<< Incremental crude oil production 2001-2009

Russia peaked

Saudi Arabia could not produce more oil in the boom year 2008 than in 2005

When the giants peak, the whole system peaks.

2005: 73,737 Kb/d

2008: 73,786 Kb/d

Prepared by:

Matt Mushalik

(MIEAust, CPEng)

mushalik@tpg.com.au

Submission Energy White Paper

http://www.ret.gov.au/energy/facts/white_paper/list_of_sub/mm/Pages/default.aspx

Quick calculation on electric cars:

1 KWh is needed for 6 kms. Average 40 kms a day. So we require 7 KWh per night of recharging during 10 hrs. That's a capacity of 0.7 KW per car. With 10 million cars in Australia that's 7,000 MW or 7 (in words: SEVEN) nuclear power plants. What do we do with this capacity during the other 14 hrs? Replace dirty coal fired power plants. YES, BRING IT ON!!! Is the public ready? Has the electorate been told about peak oil? By the time the nuclear plants are up in 10-15 years the car industry is extinct:

ALI MOORE: You talk there \$6.2 billion; it's a lot of money. Will this industry ever be able to survive without substantial government assistance? And particularly when you look at the global playing field, which is not exactly level.

JOHN CONOMOS: I think it'd be almost impossible to survive without government assistance within the next 10 years. <http://www.abc.net.au/lateline/business/items/200907/s2639245.htm>

➔ Re-tool car industry to mass produce buses running on compressed natural gas (CNG), rail cars and components for the renewable energy industry.

http://sydneypeakoil.com/matt/SurfaceMetro_Not_TunnelMetro.pdf

Electric rail crash program: jobs for public transport

http://www.aph.gov.au/SENATE/committee/rtrat_ctte/public_transport/submissions/sub48_amalg.pdf

Coal's future: 5 years

Tipping elements in the Earth's climate system (National Academy of Sciences of the USA)

"We conclude that the greatest (and clearest) threat is to the Arctic with summer sea-ice loss likely to occur long before (and potentially contribute to) GIS melt. Tipping elements in the tropics, the boreal zone, and West Antarctica are surrounded by large uncertainty and, given their potential sensitivity, constitute candidates for surprising society"

<http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=2538841>

Arctic summer sea ice to go in 2013: <http://news.bbc.co.uk/2/hi/science/nature/7139797.stm>

Check here monthly: <http://nsidc.org/arcticseaicenews/> Weather will change dramatically.