BP as a catalyst for the Kwinana Industrial Area

Georgie Harford-Mills
Research Officer, Committee for Perth

Curtin Corner
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About the Committee for Perth

- Thought leaders on Perth and Peel’s growth to 3.5 million people
- Membership from local, national and international organisations
- Evidence-based, solutions focused
Research Process
Bigger & Better Beyond the Boom is a project of the Committee for Perth and is funded by the following organisations:

Core Funder: PwC

Major Funders: Western Australian Planning Commission, Westpac, ANA Aged Care

Supporting Funders: Brookfield, City of Wanneroo, DBP, Ipsos, REIWA, Department of Jobs, Tourism, Science and Innovation, University of Western Australia.
Research to Date

FACTBase Bulletin 52 - Sizing and Mapping Higher Education and Vocational Education and Training in Perth and Peel

Community Survey of 2,000 Perth and Peel residents

FACTBase Bulletin 55 - Sizing Tourism in Western Australia

FACTBase Bulletin 56 - Sizing Ageing in Western Australia

FACTBase Special Report - Perth as a resilient economy
Today's Presentation

- History and Planning of the Kwinana Industrial Area
- Development of Kwinana
- Impact and Outputs
- Threats and Opportunities
Early Context

- Western Australia the ‘Cinderella’ State
- Primary industries – wool, gold and wheat
- State Agreement 1952
- £40 million investment for BP Australia = $1.45 billion in 2017

Beginning of the Oil Refinery Work 1953
Source: BP Developments Australia
Agreement Conditions

- Dredging of Cockburn Sound
- Supply housing to UK workers
- Infrastructure provision
- Electricity and water

Total cost to State Government: £10-12m = $363-436m in 2017
Planning History

‘...the vast works at Kwinana [...] will have far reaching repercussions both on the economy of the State and the physical pattern of the Metropolitan Region’
Stephenson & Hepburn, 1955, p.1

- Supported by Perth’s first plan for the metropolitan region in 1955

- Industrial future for Western Australia

Proposed distribution of Employment.
Source: Stephenson & Hepburn, 1955. p. 67
# Development of Kwinana

<table>
<thead>
<tr>
<th>Industry</th>
<th>Year Built</th>
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<tbody>
<tr>
<td>BP Oil Refinery</td>
<td>1955</td>
</tr>
<tr>
<td>Cockburn Cement Processing Plant</td>
<td>1955</td>
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<tr>
<td>BHP Steel Rolling Mill</td>
<td>1956</td>
</tr>
<tr>
<td>ALCOA Alumina Refinery</td>
<td>1963</td>
</tr>
<tr>
<td>BHP Blast Furnace</td>
<td>1968</td>
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<tr>
<td>CSBP Fertiliser Processing Plant</td>
<td>1968</td>
</tr>
<tr>
<td>BHP Billiton Nickel Refinery</td>
<td>1970</td>
</tr>
<tr>
<td>Verve Energy Electrical Power Plant</td>
<td>1970</td>
</tr>
<tr>
<td>Coogee Chemicals Processing Plant</td>
<td>1971</td>
</tr>
<tr>
<td>CBH Group Grain Terminal</td>
<td>1976</td>
</tr>
<tr>
<td>Tronox Titanium Dioxide Plant</td>
<td>1991</td>
</tr>
<tr>
<td>Kwinana Cogeneration Plant</td>
<td>1996</td>
</tr>
<tr>
<td>Kwinana Water Recycling Plant</td>
<td>2004</td>
</tr>
<tr>
<td>Water Corporation Desalination Plant</td>
<td>2006</td>
</tr>
</tbody>
</table>

Source: MacLachlan, 2013
Current Planning Policy

Existing Industrial, Industrial Expansion and Industrial Investigation Areas for the Western Trade Coast. Source: Department of Planning & Western Australian Planning Commission, 2015a.
Economic Impact

- Estimated output of $15.77 billion/annum
- Direct and indirect employment of 30,000

Additional Outputs
Port Facilities

- Fremantle inner harbour almost at capacity
- Increasing congestion from freight
- Hazards associated with transport of dangerous goods
- Technology outdated
- Nation building initiative
Kwinana Industrial Buffer Zone

- Air quality compromises = buffer zone 1992
- Pressure to develop land and encroachment
- Attempt to legislate buffer
- Mandogalup Improvement Plan

Labour Market

Trend towards an ageing workforce

![Bar chart showing the age distribution of workers in different regions and years.](chart.png)
Key Findings

1. State decisions have a lasting impact
2. Kwinana contributes significantly to Western Australia
3. Protection and infrastructure support essential
Next Steps

- FACTBase Special Report – Kwinana as a catalyst for economic development
- Examination of Perth and Peel SA2 industries
- Release of final report – Bigger & Better Beyond the Boom
- Our research is available at www.committeeforperth.com.au
Thank you!

Questions?