Mackay Region

- outstanding investment and business opportunities make the Mackay region a destination of choice
- growth backed by the resources sector, and resurgence in agribusiness, high actual and projected population growth
Where is Mackay?
Mackay

Primary Regional Service Hub
GRP $18.1 billion (2009/10)
During the GFC GRP actually grew by 23% (2008/09)

$81 Billion in projects for 2011 planned, under construction or recently completed.
What is Driving the Region?

Sugar & Mining
Sustainable Sugar Renewable Energy

Not just producing sugar to feed the world
Producing electricity & making ethanol
Value adding will double revenue
Sugar - Strategic Growth

Large Cogeneration Project under Construction
• $120 million power plant at Racecourse Mill
• supplying 33% of Mackay city’s power requirements.

Ethanol Plant at Racecourse Mill
• $120 million

Marian and Farleigh Co-gen schemes

Citric Acid and Yeast production plans
Existing Coal Mining

50 Mines - Central Qld

48 Mines - Bowen Basin
(almost all Queensland's hard coking coal)

32 Mines - MIW
(directly employ 18,500 - March 2011)
Port of Hay Point

On any day up to 100 ships are queued for cargo along the Mackay horizon, waiting to berth at DBCT or HP

BMA
DBCT
Current capacity approx 130 mtpa

Dudgeon Point Development Masterplan
Adani Group and DBCT Management Pty Ltd
$ Billion Investment to approx double capacity
The Role of Paget
A World Class Mining Services Precinct

Through the Paget industry hub and established supply chain, Mackay is recognised as a leader in the mining services field, and a principle centre for Central Queensland.
Is Growth going to continue?
Global Outlook - Steel

Global Industrial Development Path and Minerals and Metals Demand

- Steel consumption (kgs per capita)
- GDP per capita (USD - PPP)

Countries and Regions:
- CIS & Russia
- China
- EU - Accession 15
- EU 15
- Korea
- Japan
- Taiwan
- Canada
- Australia
- USA
- India
- Brazil
- Middle East
- Africa

Agriculture/steel intensity curve necessities
Industry/infrastructure
Services/methodology
Manufacturing improvements lead to a further decline in steel usage

Source: QRC and Access Economics
Global Outlook - Electricity

Global Industrial Development Path and Electricity Consumption Demand

Electricity consumption (kwh/pa per capita) vs. GDP per capita (USD - PPP)

Source: QRC and Access Economics
### Global Outlook - Coal

<table>
<thead>
<tr>
<th></th>
<th>2007 PJ</th>
<th>2030 PJ</th>
<th>2007 %</th>
<th>2030 %</th>
<th>Average annual growth 2007–2030 %</th>
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<tbody>
<tr>
<td>Coal</td>
<td>133 308</td>
<td>204 609</td>
<td>26.5</td>
<td>29.1</td>
<td>1.9</td>
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<tr>
<td>Oil</td>
<td>171 366</td>
<td>209 717</td>
<td>34.1</td>
<td>29.8</td>
<td>0.9</td>
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<tr>
<td>Gas</td>
<td>105 172</td>
<td>149 092</td>
<td>20.9</td>
<td>21.2</td>
<td>1.5</td>
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<tr>
<td>Nuclear</td>
<td>29 684</td>
<td>40 026</td>
<td>5.9</td>
<td>5.7</td>
<td>1.3</td>
</tr>
<tr>
<td>Hydro</td>
<td>11 095</td>
<td>16 831</td>
<td>2.2</td>
<td>2.4</td>
<td>1.8</td>
</tr>
<tr>
<td>Bioenergy</td>
<td>49 237</td>
<td>67 156</td>
<td>9.8</td>
<td>9.6</td>
<td>1.4</td>
</tr>
<tr>
<td>Other renewables</td>
<td>3098</td>
<td>15 491</td>
<td>0.6</td>
<td>2.2</td>
<td>7.3</td>
</tr>
<tr>
<td>Total</td>
<td>502 960</td>
<td>702 922</td>
<td>100.0</td>
<td>100.0</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Source: IEA 2009b
Bowen Basin
Prodn (ROM): 202 Mt (10/11)
M+I Res: 20,500 Mt (2009)
Sustain: 100 years
Inferred: 19,600 Mt (2009)
New Projects - MIW

Additional to the 32 Coal mines now operating in MIW:

- 52 mining and petroleum projects are proposed ($26 billion)
- 14 significant expansions and 38 new mines
- 27 projects now at an advanced stage including 7 under construction
- 10,000 workforce over the coming decade
Mackay LGA among the largest and fastest growing in Queensland
Queensland Treasury May 2011
Mackay Growth Forecast

✓ Mackay Regional Council to absorb 80,000 by 2031

Population Growth 1981 – 2031

(Projections to 2031)

Source: OESR (May 2011)
A new Planning Scheme with a 20 year horizon is under preparation. The new Strategic Plan will provide a strategic framework to 2031 and beyond.
Promote a compact urban form:

Implement a sustainable, distinctive urban edge

- **Enhance liveability:**
  - Encourage growth around a distinctive network of urban centres
  - Increase densities and improved accessibility to urban services and employment
  - Provide a functional green/open space network
  - Support subtropical settlement and building design

- **Improving access and mobility network**
  - Support different transport modes
    (i.e. public transport corridors, road, cycling and walking)
  - Regional road and freight movement (including the ring road)
Critical Infrastructure
Residential Development

— Greater housing diversity to offer greater choice
— Higher density residential development in appropriate locations
— Site investigations: suitable precinct and corridors
Centres
Canelands Mackay City Centre
City Centre Concept

New shade trees and curved seating on each corner

Crossings shortened in length to improve pedestrian safety and priority

Curved seating wall creates an urban edge to the roundabout. Local street names are cast into the wall at each pedestrian crossing to assist legibility.

Intersection: After

Chilled water dispensers powered by PV panels

Interactive map with QR codes, car parking directional signs and...
Interactive City

4.1 The Interactive City

Whilst the overall grid layout for the City Centre’s streets is predictable and reasonably straightforward to move around – the sheer size of the broad urban grid can become difficult to navigate for the uninitiated. Each section of the grid has its own qualities, some subtle, others less so.

This project looks to introduce a series of elements into the streetscape that provide assistance to those that need it, and improves legibility for all. The key plan indicates the location of major wayfinding elements whilst other secondary elements (as shown on the Signage Scala and Hierarchy diagram) form a cross section of elements required across the public realm.

LEGEND

- **A**: Wi-Fi hub
- **B**: Interactive Pylon Sign located in pavement build out
- **C**: City Centre Arrival Signage
- **D**: Blue Water Trail Signs (e - existing)
- **E**: Urban Spines(?) : The location for all key wayfinding and urban art elements
- **F**: Boulevards: Processional banners integrated with light masts
The Australian Government National Broadband Network (NBN) rollout.

Council backs Masterplan for Regional Priority Rollout

Delivering fibre-based high speed broadband to 90% of Australian homes and business premises

Next generation wireless and satellite technologies in regional and rural areas

Achieving rollout priority = regional economic benefits of up to $626 million
Mackay Regional Council

visit our website
www.mackay.qld.gov.au
TODAY

Prosperous  Sustainable  Vibrant