



**PATREC**

Planning and Transport Research Centre (PATREC)

# **BUSINESS PLAN**

2014

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## 1 STRATEGIC UPDATE

The four-year strategic direction presented in the PATREC Strategic Business Plan 2013-2016 remains valid and continues to be used as the strategic framework for this more detailed business plan for 2014.

A number of national and state policy documents released in the past year, provides further confidence that the research direction being followed is tackling the right issues for maximum impact.

- Land use-transport modelling, economics and information
  - Department of Transport, Main Roads and Department of Planning (2013): *Transport Modelling Review. Summary of Transport Modelling Needs.*
  - Department of Transport (2013): *Western Australian Regional Freight Transport Network Plan.*
- Integrated land use-transport policy and planning
  - Department of Transport (2013): *Moving People Network Plan for Perth and Peel Regions to 2031.*
  - Infrastructure Australia (2013): *Urban Transport Strategy.*
- Regional development and planning
  - Department of Regional Development (2013): *Living in the Regions 2013.*
  - Department of Transport (2013): *Western Australian Regional Freight Transport Network Plan.*
  - Department of Planning (December 2012): *State Planning Strategy.*
- Infrastructure funding and implementation
  - Productivity Commission (2014): *Public Infrastructure.*
  - Stanley, J. (2014): *Pricing opportunities for Australia: Paying our way in land transport.* Kingston: Bus Industry Confederation.
  - Economic Regulation Authority (2013): *Inquiry into Microeconomic Reform in Western Australia.*
  - Infrastructure Australia (2013): *Urban Transport Strategy.*
  - Infrastructure Australia (October 2012): *Australia's Public Infrastructure—Part of the Answer to Removing the Infrastructure Deficit.*
  - Infrastructure Finance Working Group (April 2012): *Infrastructure Finance and Funding Reform: Report prepared by the Infrastructure Finance Working Group.*
  - National Infrastructure Coordinator (March 2012): *Private financing options for upgrades in the M5 and F3-M2 corridors in Sydney: report to the Minister for Infrastructure and Transport.*

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## 2 RESEARCH FOCUS

### 2.1 Research Programs

In response to the research needs and questions arising from the stakeholder-informed strategic planning process, the research competence base across the three collaborating universities and emerging external funding opportunities, four PATREC research program have been established to undertake research and deliver high-impact outcomes, although collaboration between programs is expected and required.

The emphasis is on urban research with a program each on:

- integrated land use-transport planning and policy;
- land use-transport modelling, economics and information; and
- infrastructure funding and implementation.

A fourth program is focussed on regional development:

- regional planning and transport.

Aspects of freight, travel demand management and spatial analysis are cross-cutters and are incorporated to a degree in all programs.

### 2.2 Program Plans

Individual program plans for each program will direct program activities for 2014 and are incorporated as part of the contractual agreements with core team members. These are attached as Annexures to this Plan.

In general the focus of work in 2014 is in undertaking baseline research in the form of literature reviews, baseline data analysis and consolidation of previous work as the basis for proposing more substantial research with funding partners.

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## 3 BUDGET 2014

The PATREC budget has been set up to present core and external income and expenditure individually and also combined. From 2014, quarterly reporting will be provided on this basis as external funding streams start flowing.

In 2014, core income from government and university partners is budgeted according to Scenario 1 where all subscriptions are paid up to 31 December 2014 then payment resumes afresh from 1 January 2015 according to renegotiated payment schedule as per PATREC Collaborative Agreement (before the end of 2014). Because government sponsors are essentially 6 months ahead of university sponsors due to different financial years, this means that other than Main Roads who still need to pay an outstanding payment of \$100K, government partners do not need to make a payment for the six month period 1 July to 31 December 2014.

External research grant income of \$400K is budgeted for on the basis of 60% of that amount already being secured funding (Independent Modelling Review, 2014 portion of AURIN funding) with the remaining 40% from expected further potential contracts in relation to the Transport Portfolio research priorities and Department of Planning identified projects which the core research team will be focussing on developing up into project concepts with the identified government champions. Total income is budgeted at \$850K, made up of \$450K core funding and \$400K external funding.

**Table 1: PATREC Budget for 2014 based on income Scenario 1**

Scenario 1 - paid up to Dec 2014 then resume as before but with full WAPC and indexed

Calendar Year	2014		
PATREC Budget 2014	Consolidated	Core	External
<b>INCOME</b>			
<i>Balance brought forward</i>	1,568,104	1,363,595	204,509
WA Government Grants	0	0	
<i>Partner universities sponsorship</i>	180,000	180,000	
Other Research Grants & Contracts	400,000		400,000
<i>Accrued Interest</i>	65,000	65,000	
<b>Total Income</b>	<b>645,000</b>	<b>245,000</b>	<b>400,000</b>
<b>EXPENDITURE</b>			
<b>PATREC OFFICE</b>	<b>475,034</b>	<b>475,034</b>	<b>0</b>
<b>Academic Salaries &amp; On Costs</b>	321,045	321,045	0
<i>Director</i>	190,575	190,575	0
<i>Research Development Officer</i>	130,470	130,470	0
<b>General Salaries &amp; Staff related costs</b>	112,669	112,669	0
Administrative Officer	72,669	72,669	0
Salary Allowances & Staff Related Costs	20,000	20,000	0
Staff Training	20,000	20,000	0
<b>PATREC office operations</b>	41,320	41,320	0
<i>Marketing - Website</i>	10,000	10,000	
<i>Books &amp; Periodicals</i>	1,000	1,000	
<i>Computing Costs</i>	4,000	4,000	
<i>Office Expenses</i>	3,000	3,000	
<b>Advisory Board Chair stipend</b>	23,320	23,320	0
<b>RESEARCH</b>	714,473	<b>514,473</b>	<b>200,000</b>
Research program leadership (core)	259,797	259,797	
Research program postdocs/RAs (core)	164,676	164,676	
Student related- PhD scholarship top-up/annum (core)	90,000	90,000	
Research - external project cost (income less 35% for PATREC core replenishment)	200,000		200,000
Events (other expenditure, travel)	40,000	40,000	
<b>Total Expenditure</b>	<b>1,252,827</b>	<b>1,052,827</b>	<b>200,000</b>
CLOSING BALANCE (including Balance B/F)	<b>960,277</b>	<b>555,768</b>	<b>404,509</b>

## 4 KEY PERFORMANCE INDICATOR TARGETS

Whereas for 2013, targets included were predominantly input targets due to the re-establishment phase of PATREC, for 2014 more output targets have been included Table 2.

**Table 2: Key Performance Indicators and Targets for 2014**

Key Performance Indicators	Indicators description	Targets 2013	Targets 2014
<b>Performance impacts for enhanced research capacity</b>			
Number of grant and contract research funding applications <i>submitted</i>			5
Number of national and international competitive grants <i>secured in 2014</i>	Number of grant and contract research funding applications submitted	2	4
Number of top quality publications with above average citations submitted	Number of journal articles submitted	4(2*)	8
Number of publications <i>published</i>			5
Number of high quality PhD graduates produced through top-up sponsorship		4	1
Number of new sponsored PhD			3
<b>Profile impacts for improved competitive advantage</b>			
Number of excellent research staff (and HDR students) attracted and retained	Core team and research associates	1 (1*) 2 4	10
Amount (\$) of external research funding proposed	Value of additional research funding proposed	\$400k	\$500
Amount of external research funding secured		0	\$400k
<b>Productive partnerships for institutional vitality</b>			
Generates national and international research interest <ul style="list-style-type: none"> <li>External attendance at seminars/events organised by the group</li> <li>Number of '5 Star' visiting researchers</li> <li>Number of invitations as Invited Speaker/conference Chair/Editorial Board;</li> <li>Leadership in key international/national technical bodies</li> </ul>	Attendance number at stakeholder workshop and 4 connection events	150	200
Improves level of collaboration with other universities across globe	Number of national and international collaboration agreements negotiated	4 (2*)?	4
Fostering collaborative linkages between the partners and more widely <ul style="list-style-type: none"> <li>Number of joint projects with groups within and external to PATREC</li> <li>Number of HDR students with joint supervisors</li> <li>High quality, joint research outputs</li> </ul>	Number of joint projects approved Number of journal articles submitted with co-authorship	4 4	4 4
<b>Policy-relevant evidence for knowledge transfer</b>			
Demonstrated linkage of research projects to policy need	Number of project plans with clear policy links specified Number of Research Advisory Committees established and functional	4 2	5 5
Number of peer-reviewed PATREC Working Papers published	Number of Working Papers produced	2	4
Number of factsheets published	Number of factsheets published	2	5
Number of conference papers presented at PATREC connection events and externally	Number of conference papers presented	4(2*)	8
Number of connection events	Number of connection events	4	6
Number of short courses presented and attendance	Number of short courses planned in project plans	4	0