



**ENGINEERS  
AUSTRALIA**  
Western Australia  
Division

# 2005-6

# ANNUAL REPORT

ENGINEERS AUSTRALIA  
WESTERN AUSTRALIA DIVISION

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## Division Director's Report



Janice Lake

### Objective 1 – Public Role and Professional Standing

The release of the WA Infrastructure Report Card in September 05 was the highlight of our policy issues contribution. This provided opportunities for discussion with politicians, government agencies and industry and excellent media coverage.

Submissions were provided to government in response to the New WA Building Act draft; on-going skills shortage research and the State Infrastructure Strategy.

Additionally the Division has had representation on the State Infrastructure Reference Group; Transport Advisory Panel; Science Policy working party; Curriculum Council panel; ICT industry group and several university panels. We made presentations at two conferences addressing Employment and Skills Shortage.

Our Engineering Week breakfast and lunch presentations, the Engineering Excellence Awards, the Infrastructure Report Card launch, the skills shortage and engineering education provided opportunities for good quality and quantity media coverage, including regional radio, TV and newspapers. The Engineering Week newspaper supplement was again a major promotional activity for the Week and WA Business News featured the Engineering Excellence Awards.

We took opportunities to hold joint events with National Science Week, Scitech, ACEA, AWA, ATSE, Professions Australia, AusIMM, IPWEA and BDP and the LunchBox List Women's seminar.

The Engineering Excellence Awards attracted a record 35 entries and 600 people attended the Awards dinner. Overall more than 2300 people participated in Engineering Week activities and we received positive feedback about the events.

In recognition of individual achievement a number of University Medals and School Prizes were presented, including the Andy Thomas Medal, in addition to the Young Professional Engineer of the Year.

### Objective 2 - An Inclusive Professional Team

To recognise and encourage volunteering in our membership we held a training day and a Generational Exchange workshop. It has been gratifying to see an increase in the number of young engineers involved on committees and panels.

Monthly newsletter articles highlighted the contribution

### Forward

This Annual Report covers the significant achievements of the WA Division as they relate to the eight key objectives of the Operation Plan for the 2005/2006 financial year. This meets the obligations of the Division Committee to report to the 87th Annual General Meeting of the Division to be held on 4 December 2006.

2005/2006 has been another successful year for the Division, with good growth in our membership, both qualified and students. All our major events have been well attended and we have had a number of opportunities to raise our public profile.

made by members including Engineers without Borders and Engineering Heritage and Chartered Engineers who participated in Professional Interviews.

Activities held throughout the year, to celebrate our organisation and its members, included the Fellows Dinner, Young Engineers networking evenings, Young Engineers meet Council dinner, Sports Day and Women in Engineering Dinner. All events were very well attended.

Regional visits were undertaken by the Division and National President and our Regional Group Chairmen held a workshop in Perth with WA Panel Chairmen.

### Objective 3 – Youth Appeal

EngQuest, our schools program for primary schools, has been a continued success. Some 2000 students from 44 schools participated in completing the class based projects. On-going funding for the project is of concern.

A number of our members assisted in the program to visit high schools and participated in school careers evenings. We also held a seminar for high school careers advisors.

Our annual Face to Face Careers Expo for university engineering students had a record involvement this year from industry and the students, with 60 companies and 800 students attending the day. The Vacation Employment Handbook also has a record 80 companies listed this year.

The information to graduating students was well targeted this year, with the mailout arranged via the universities. However our Student to Graduate upgrade processing was impaired by loss of the QTAC system for checking of qualifications.

### Objective 4 – Chartered Status

Another success story for the Division has been the increase in the number of companies signing Professional Development Program Agreements and the number of engineers actively participating in the Program. There are now some 49 companies signed on here in WA and more than 600 participants.

The Program has been promoted in our newsletters and at public events. Chartered Engineer applications are increasing, with workshop attendance at record highs. Our list of available interviewers is now more than 500.

### Objective 5 – Continuing Professional Development

The technical program, arranged by the various units

of the Division, provided professional development opportunities across the spectrum of engineering.

The Division provided a total of 17,000 CPD attendance hours, 375 events and 700 hours of CPD. More than 10,000 people attended an event during the year. The activities included 16 fee paying seminars, a regional conference, and several two and three day seminars and workshops. The Eminent Speaker program included 12 presentations in the Perth and regional areas.

The Centre for Engineering Leadership and Management Breakfast Series was once again a great success, with approximately 200 attendees at each occasion.

For members in remote areas there was a substantial increase in the number of video-streamed presentations available from the website.

### Objective 7 – Internal Communications

The total WA Division membership grew by 5.2%, with an increase of 4.8% in qualified membership. This is well above the national average. Membership processing continues to be handled completely within the Division.

Certificate presentations for new members were held three monthly. The Division newsletter included articles on topics of interest including the Infrastructure Report Card, speakers' presentations, nuclear energy, IR legislation.

The weekly email continues to provide the latest news on events and a review and update of newsletter and website resulted in an improved look and content. Positive feedback was received.

### Objective 8 – A Capable Organisation

In 2005/06 new sponsor partnerships were put into place. This resulted in an increase in funds available, closer ties with our Partners and increased opportunities for participation by company staff in the Division activities. The Division revenue from non-subscription sources was 43% of total income.

A staff and volunteer training day was held early in 2006 and staff participated in a corporate team building activity. The Deputy Director was on secondment for five months of the year. Despite this staff shortage all planned events were held and services to members remained consistent.

The Division Subcommittee structure has now been formalised with good participation and progress in most areas. The quarterly reports to the Operation Plan have been provided to Council as required and the 0607 Budget and Operational Plan targets are in place.

## Division Profile and Governance

The WA Division had 9763 members as at end June 2006, representing 12.1% of the total membership of Engineers Australia. Some 400 members are actively involved with our committees and technical and special interest groups. There are 26 active units in Perth and eight regional groups. These groups are responsible for the delivery of the majority of the professional development activities and networking events for members.

Special interest groups including the Centre for Engineering Leadership and Management, the Young

Engineers, Women in Engineering, Heritage Panel and the Retired Engineers also add to the variety of activities for members.

The Division is governed by the Division Committee, with the Executive Subcommittee, appointed by the Division Committee, to oversee the day to day business of the Division. Subcommittees for the areas of Public Policy, Communications and Marketing, Engineering Practice and Education and Assessment provide input to the activities of the Division and each member of the Division

Committee has a role on one of the subcommittees.

Staff support is provided for membership and Chartered Status assessment, technical program coordination, major events management, communications, sponsorship and marketing, accounts, schools programs, public policy and media management, industry liaison and the Professional Development Program and administration and governance of the Division.

## Division Committee 2006

Name	Position and/or Responsibility
John Phillips FIEAust CPEng	Division President and Congress Representative
Jim Brown FIEAust CPEng	Senior Vice President and Congress Representative
John Kotula MIEAust CPEng	Junior Vice President
John Ruprecht FIEAust CPEng	Past President
Felicity McKenzie MIEAust	Hon Treasurer
Russell Candy FIEAust CPEng	National Councillor
Carol Jelley FIEAust CPEng	National Councillor
Jennifer Sai MIEAust CPEng	Women in Engineering
Karyne Wong MIEAust CPEng	Young Engineers
Rob Williamson OFIEAust CEngO	Engineering Associates
Ed Scull FIEAust CPEng	Biomedical College
Arun D'Souza FIEAust CPEng	Mechanical College
Michael Kyriacou MIEAust	ITEE College
Lorie Jones FIEAust CPEng	Environmental College
Roger Kelson MIEAust CPEng	Chemical College
Albert Koenig FIEAust CPEng	Electrical College
Barry Tonkin FIEAust CPEng	Civil College and Congress Representative
John Stocco FIEAust CPEng	Committee member
Dr Steve Algie FIEAust CPEng	Committee member
Paul Deuchar GradIEAust	Committee member
Kim Greenock TFIEAust CEngT	Committee member
Prof Mark Bush FIEAust CPEng	Committee member
Prof Tony Lucey FIEAust	Committee member
Rajendra Kurup MIEAust CPEng	Committee member
Dr Leslie Pyke MIEAust CPEng	Committee member
Bob Broadway FIEAust CPEng	Committee member

## Division Staff 2005-6

Executive Director	Janice Lake
Deputy Director	Fiona Thorniley
Membership Officer	Fran England
Technical Program Coordinator	Julie-Ann Ivankovich
Communications Coordinator	Hormuzd Cooper AffillIEAust
Senior Bookkeeper	Sarah Cotterill
Manager Industry/Sponsorship	Alexandra Sparvell
Customer Service/Admin Officer	Anneline Lambrechts
National Assessor WA	John McLoughlin FIEAust CPEng
Schools Programs Coordinator	Beatriz Clark

## WA Division Partners & Sponsors

Thank you to all our Partners and Division Sponsors for their continuing support during the 2006 calendar year.

- Fluor, Principal Partner
- GRD Minproc, Partner
- Thiess, Partner
- Calibre Projects, Partner
- WorleyParsons, Partner
- SKM, Partner
- Clough Limited, Partner
- Water Corporation, Partner
- Honeywell, Partner
- Beilby, Division Sponsor
- GHD Pty Ltd, Division Sponsor
- MinterEllison, Division Sponsor
- Rittal, Division Sponsor

We also thank Palandri our wine sponsor for 2006.



## 2006 Undergraduate Vacation Work Experience & Graduate Employment Handbook

All engineering undergraduate students need to undertake practical industry training. Accredited Bachelor of Engineering courses at university as well as engineering courses at TAFE need to obtain some industry experience.

To assist in matching students with appropriate vacation employment, and to provide new graduates with a list of potential employers, Engineers Australia WA Division publishes a handbook of company information in the early part of each year. This provides excellent publicity for companies as well as being a useful guide for students and

new graduates. The handbook covers all major disciplines of engineering and provides students and recent graduates with a comprehensive list of companies that may be able to offer vacation work experience and/or graduate employment.

Some 87 engineering companies were listed in the 2006 edition that was released on CD. A copy of the CD of the handbook is provided free to Student and Graduate Members of Engineers Australia.

# 2005-6 Year In Review



▲ 2005 WA Engineering Week Cocktail Party

▼ (l-r) WA Division Executive Director, Janice Lake with Peter Nevin General Manager Projects, Rio Tinto Expansion Projects and John Ruprecht FIEAust CPEng, 2005 President, WA Division Engineers Australia



▲ The Hon. Judy Edwards, Minister for the winners of EngQuest 2005.

▼ 2005 Young Engineers Annual Charity



▼ John Phillips, Senior VP of Engineering, Thys Heyns, Managing Director of BP, and Jackman, Mayor of Town of Kwinana at



▲ The Hon Alannah MacTiernan, Minister for Planning and Infrastructure (left) and Dr Kevin Dardis (right) presenting the trophy to the 2005 WA Engineering Excellence Awards Overall Winner, Warren Morris (centre) from Woodside Energy Ltd for the Trunkline System Expansion Project (TSEP).

▼ Dr Ken Michael HonFIEAust CPEng (centre) with members of Engineers Australia Council during their visit to Perth on 13 September 2005



▶ Alex Piper, 2005 WA Young Professional Engineer of the Year (centre) with John Ruprecht FIEAust CPEng (left), 2005 President, Engineers Australia WA Division and Kaye Lim GradIEAust (right), 2005 Chairperson Young Engineers WA Division



▲ Sophie Bowen, winner of the Andy Thomas Space Medallion Competition in WA with 2005 President John Ruprecht FIEAust CPEng.



▲ 2006 Fellows' Dinner held on 29 June 2006. During the evening membership certificates were presented to nine new Fellows (below) by Engineers Australia National President Peter Cockbain FIEAust CPEng. Congratulations to: Peter Coughlan; Robert Davis; Graeme Dundas; Malcolm Greenway; John Harding; Damian Meaney; Frank Pozzar; Simon Shaw; and Alan Wallace.



▼ John Phillips, Senior VP of Engineering, Thys Heyns, Managing Director of BP, and Jackman, Mayor of Town of Kwinana at





Science and the Environment with

Quiz Night



Engineers Australia Western Australia Division; Kwinana Refinery; and Councillor Ken at the BP Kwinana Plaquing ceremony



2006 Division President, John Phillips FIEAust CPEng with the 2005 Student Medal winners, Stephanie Danes, Sarah Khouri, Jack Van Gemmert and Emiliano Boschini.

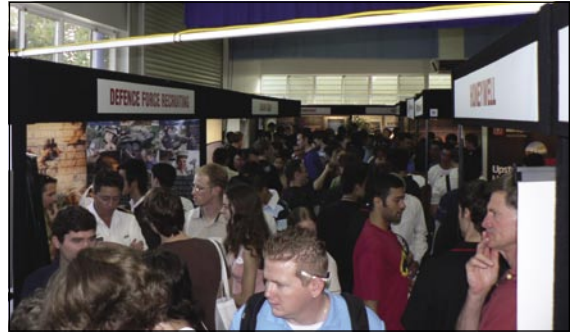
The inaugural Bev Corless Memorial Scholarship presentation. (l-r) Craig Walkemeyer FIEAust CPEng, Alcoa General Manager Engineering, Bev's daughter Dominica Corless and Leah Van der Meulen. Thanks to Curtin University of Technology for the photograph.



Winners of the 2006 Young Engineers WA Sports Day, 'GHD Master Ball Handlers' from GHD Pty Ltd



Over 800 students lining the passageways eager to talk to prospective employers at the 2006 Face-to-Face careers expo at Claremont showgrounds.



CELM Lunch held on 9 June 2006. (l-r) Dr Jim Gill FIEAust CPEng, CEO Water Corporation with Janice Lake, Executive Director, Engineers Australia WA Division and Jim Brown FIEAust CPEng, Chairperson, CELM WA

110 people attended the Newman Combined Group Quiz Night held at the Pioneers Football Club.



Members who received their CPEng certificates with 2005 President John Ruprecht FIEAust CPEng. (l-r) John Ruprecht, Victor Simbile, Ivan Kwan, Dylan Findlater, Emily Tan, Nikolas Megolas, Joseph Cheong, Michael Lee Steere, Dylan Yarwood.

2006 Golf Challenge winning team from SKM being presented with the trophy by Janice Lake, Executive Director, Engineers Australia WA Division and Vic Vucemillo, Rittal.

## President's Address



John Phillips FIEAust CPEng

It should not be surprising that, in a year of enormous state growth, Engineers Australia has also flourished. The array of development and infrastructure projects has brought an influx of engineers, many of whom have sought membership at Engineers Australia. Conversely the intense pressure on all engineers has meant that they have to prioritise time with the potential that voluntary organisations, such as Engineers Australia panels and committees, might suffer. Fortunately, all the signs are in place that engineers value their involvement in Engineers Australia and have continued to support the multitude of activities represented in Engineers Australia.

More than 10,000 people attend at least one Engineers Australia event in the past year. There were sixteen free paying seminars, some covering two or three days. There was a regional conference and our Eminent Speaker program included twelve presentations including several in country areas. A total of 375 Engineers Australia events were organised, more than seven per week, and providing 17,000 hours of professional development. This is equivalent to ten man-years of training and is all the more remarkable in that the vast majority of this training was developed and presented by volunteers from within our own ranks.

The important contribution of our many volunteers is the lifeboat of our organisation. I have been impressed by the variety of this contribution, from events in the Pilbara to school programs to Chartered Status interviews to sports days. They all require significant thought, planning and hours of work prior to the event itself. We should all applaud the unselfish contribution of our volunteers.

The necessity for ongoing training is recognised also by the employers of engineers. There has been an acceleration of the number of companies signing up on our Professional Development Program Agreement, with 49 companies covering 600 participants being involved. It is great that the companies recognise the need for ongoing professional development and the benefits to the individual engineers and the profession as a whole shows that we have a bright future for the profession.

On the individual level, the number of engineers applying for Chartered Status is increasing. Unfortunately the total number with Chartered Status remains constant and has actually decreased as a number of those who were granted automatic entry at the commencement of the program are now retiring. The ongoing interest in CPEng is encouraging and might be expected to increase further if the state Governments proposal for registration of engineers were to proceed. Again, we are indebted

to the 500 engineers who have volunteered to act as professional interviewers for those applying for Chartered Status.

The number and range of events organised by Engineers Australia is truly amazing. Most will be aware of our "highlight events" such as Engineering Week, the Engineering Excellence Awards, the Fellows Dinner and the technical seminars and sessions that are advertised in the WA Supplement to the Engineers Australia magazine. Less well publicised but equally important, were events such as the Face to Face Careers Expo in which 60 companies presented their wares to prospective employees, with over 800 engineering undergraduates attending the day long event. A vacation employment handbook has been prepared which lists 80 companies that are offering positions. Whilst we are well pleased with the quality of our graduates, we have a serious problem with both the number and education level of those high school students who are the potential future engineers. Representations have been made to government concerning the teaching of mathematics and sciences, but with the little direct outcome. We have the cooperation of the relevant teacher associations, the universities and kindred professional bodies but with no apparent result. Instead we are tackling the problem head on, trying to involve and enthuse the students directly with events such as EngQuest for primary school students and the Science and Engineering Challenge for high school students. These programs are gaining acceptance and, together with school visits by members of Young Engineers, we will be teaching over 100 schools.

A particular highlight for the year was the launch of Infrastructure Report Card. Its launch was well orchestrated with a series of presentations to political leaders, government agencies and industry. There was excellent media coverage and despite a few negative reactions there was overall acceptance by the government that was a fair representation of the current state of our infrastructure. It is probably no coincidence that only a few months later the government announced a State Infrastructure Reference Group, with Engineers Australia being the only professional organisation invited to sit on this review panel.

Engineers Australia is well represented and after key bodies such as the Transport Advisory Panel, the Science Policy Working Party, the Curriculum Council, ICT industry group and university panels. We hold joint meetings and events with ACEA, AWA, ATSE, Professions Australia, AUSIMM, IPWEA, BDP, Scitech, National Science Week

and the Lunch Box List Women's Seminar. It could not be said that we don't involve ourselves with the wider professional and technical community.

Overall, our membership continues to grow. Total membership is up by 5.2%, well above the national average. We continue to lead in such areas as the high profile CELM events which regularly attract an audience of 200 persons. We lead in such areas as attracting sponsorship and in providing video streaming of presentations for our country members. Yet despite all this, we have other challenges ahead of us. I have already mentioned the matter of education in schools. We can and should do better in areas such as media involvement, involvement in public debate, leadership in such areas as global warming, nuclear power and sustainability. We have the leadership abilities, the logical thought process and the technology to create a positive future for the community and should contribute more in political debate. This is a challenge to each individual engineer.

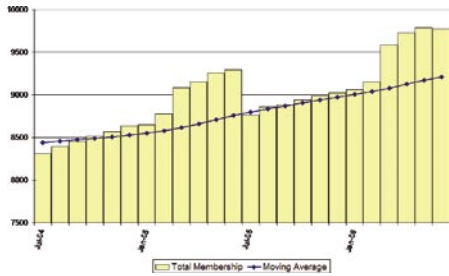
In our WA Division office we have an excellent team to support this challenge. The dedication and hard work of this team needs special mention. For part of the year they were without the guidance of Deputy Director Fiona Thorniley who was seconded to assist Engineers Australia in Newcastle, thus thrusting more responsibilities to the other members of the team. At the same time they had to deal with increasing membership applications, increasing numbers of programs and evermore increasing sophistication in numerous events. Our appreciation goes to the team and Director, Janice Lake.

At a personal level, it has been a great eye-opener to see the width, breath and depth of Engineers Australia involvement in such a wide array of topics. The projects being undertaken and the skills of individual engineers is breathtaking. It is genuinely an honour to be involved and I have an unshakable belief that the engineering future of this state is in excellent hands.

# Membership Statistics for the 2005-6 Financial Year

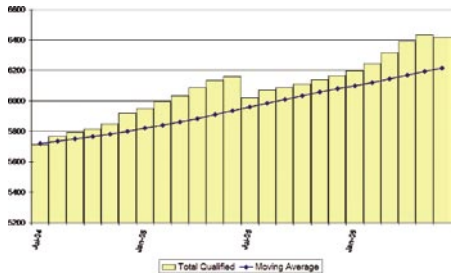
## Total Membership

Moving Average Over 12 Months (both Qualified & Student Members). Increase over last 12 months = 5.2%



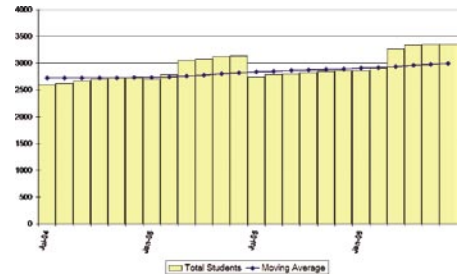
## Qualified Membership

Moving Average Over 12 Months (all Non-Student Members). Increase over last 12 months = 4.7%



## Student Membership

Moving Average Over 12 Months (all Student Members). Increase over last 12 months = 6.1%



## Qualified Membership Grades Comparison

Grade \ Financial Year Ending	HonFIAust CPEng	FIEAust CPEng	MIEAust CPEng	OMIEAust CEngO	TMEAust CEngT	FIEAust	MIEAust	OMIEAust	TMEAust	GradIEAust	GradOIEAust	GradTIEAust
June 04	11	470	2752	9	10	30	699	103	28	1495	115	18
June 05	10	483	2713	12	9	33	882	128	29	1605	109	18
June 06	9	490	2702	13	9	37	982	191	36	1758	108	18

# Financial Statement

## Explanatory Notes to the financial statement

State of financial position

- Cash assets are reduced for 2006 due to transfer of funds to the National Account. This is reflected in an increase in Other Financial Assets
- Payables and Receivables balances are no longer held by WA. As a result of the Accounts Consolidation process they are part of the National ledgers. Reports

for the Division are generated monthly.

- Provisions include accrued invoices at end June.

State of Financial Performance

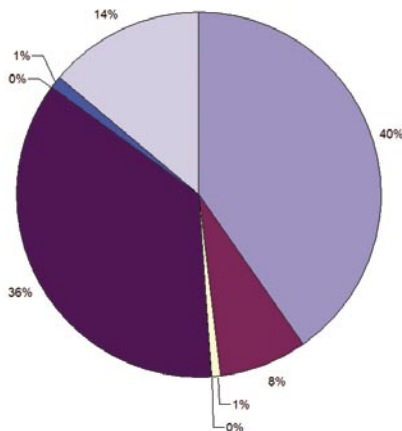
- Division Subscription Allocation was 3.6% lower than the previous year.
- Financial Statements for this year are stated against Operational Plan objectives.
- Reporting for 2004/05 has been restated against

these objectives to allow comparison with 2005/06

- Profits from technical seminars etc (Technical Initiative Funds TIF) have been allocated to the appropriate Technical Group.
- Corporate Expenses (Salaries and Overheads) have been allocated across the Objectives.

Felicity McKenzie MIEAust  
Hon. Treasurer

## Revenue 2005-6

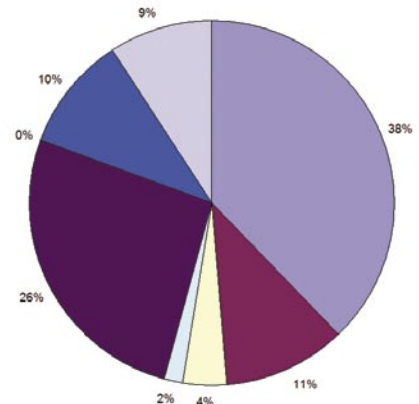


- Public Role & Prof. Standing
- An Inclusive Prof. Team
- Youth Appeal
- Chartered Status
- CPD
- International Reach & Influence
- Internal Communications
- A Capable Organisation

TOTAL

Revenue	Expenses
40%	38%
8%	11%
1%	4%
0%	2%
36%	26%
0%	0%
1%	10%
14%	9%
<b>100%</b>	<b>100%</b>

## Expenses 2005-6



## Engineers Australia WA Division Statement of Financial Position as at 30th June 2006

	2005/6 \$'000s	2004/5 \$'000s
<b>CURRENT ASSETS</b>		
Cash Assets	40	299
Receivables	0	33
Other Financial Assets	508	221
Inventories	0	1
Other	29	6
<b>TOTAL CURRENT ASSETS</b>	<b>577</b>	<b>560</b>
<b>NON CURRENT ASSETS</b>		
Other Financial Assets	0	0
Fixtures, Plant & Equipment	29	31
<b>TOTAL NON CURRENT ASSETS</b>	<b>29</b>	<b>31</b>
<b>TOTAL ASSETS</b>	<b>606</b>	<b>591</b>
<b>CURRENT LIABILITIES</b>		
Payables	0	176
Interest bearing liabilities	0	0
Provisions	177	18
Other	0	0
<b>TOTAL CURRENT LIABILITIES</b>	<b>177</b>	<b>194</b>
<b>NON CURRENT LIABILITIES</b>		
Interest bearing liabilities	0	0
Provisions	4	0
<b>TOTAL NON CURRENT LIABILITIES</b>	<b>4</b>	<b>0</b>
<b>TOTAL LIABILITIES</b>	<b>181</b>	<b>194</b>
<b>NET ASSETS</b>	<b>425</b>	<b>397</b>
<b>MEMBERS FUNDS</b>		
TIF funds	199	169
Reserves	226	228
<b>TOTAL MEMBER FUNDS</b>	<b>425</b>	<b>697</b>

## Engineers Australia WA Division Statement of Financial Performance for the Year Ended 30th June 2006

	2005/6 \$'000s	2004/5 \$'000s
<b>REVENUE FROM ORDINARY ACTIVITIES</b>		
Division Allocation	664	689
1. Public Role & Professional Standing	199	216
2. An Inclusive Professional Team	38	69
3. Youth Appeal	5	4
4. Chartered Status	0	0
5. Continuing Professional Development	178	410
6. International Reach & Influence	0	0
7. Internal Communications	6	1
8. A Capable Organisation	68	60
<b>TOTAL REVENUE FROM ORDINARY ACTIVITIES</b>	<b>1158</b>	<b>1449</b>
<b>EXPENSES FROM ORDINARY ACTIVITIES</b>		
Division Allocation	0	0
1. Public Role & Professional Standing	427	462
2. An Inclusive Professional Team	121	129
3. Youth Appeal	46	44
4. Chartered Status	19	21
5. Continuing Professional Development	295	411
6. International Reach & Influence	0	0
7. Internal Communications	118	126
8. A Capable Organisation	103	81
<b>TOTAL EXPENSES FROM ORDINARY ACTIVITIES</b>	<b>1129</b>	<b>1274</b>
Net (deficit)/ Surplus from ordinary activities	(1)	6
TIF fund Adjustment	30	169
<b>TOTAL CHANGES IN MEMBERS FUNDS</b>	<b>29</b>	<b>175</b>