Opportunities in Power Engineering
The Australian Power Institute
Power Engineers – Why do we need them?

When the disaster strikes!

….and all of the time to meet our needs for essential energy
Big Challenges & Great Opportunities

• Significant demand for improved electrical infrastructure

• Wide range of technologies being implemented

• Attractive starting salaries

• Many power engineers nearing retirement

THE ENERGY INDUSTRY IS GOING THROUGH THE GREATEST TRANSFORMATION SINCE ELECTRICITY WAS FIRST INVENTED OVER 100 YEARS AGO.
Opportunities in Power Engineering

- Manufacturing/Processing
- Consulting/Engineering Services
- Generation
- Renewables
- Transmission
- Distribution
How do YOU fit in?

Do you want to make a difference?
- taking up climate change challenges
- addressing technological challenges
- renewables
- energy efficiency
- providing essential service to community
- raising living standards & tackling poverty?

Do you expect to:
- have ongoing opportunities for professional & personal development?
- travel around Australia and overseas?
- enjoy good work-life balance?
How do YOU fit in?

Do you have interest in the following:

• Planning & analysis of engineering systems
• Computer networking
• Communications
• Electrical design
• Implementation & management of complex systems?
Career Path as a Power Engineer

- Graduate development program
- Technical specialist/consultant
- Manager
- Executive/chief executive
Career Opportunities in Power Engineering

Power Engineering Roles in

– system analysis & planning
– research & development
– design & procurement
– project implementation & management
– testing & commissioning
– asset management
– plant & system operation
– maintenance management
– market operation & management
2016 Power Industry Bursaries
National Power Engineering Bursary Program

YOU
- 1st year engineering (majority) and some 2nd & 3rd year
- Electrical (majority)
- mechanical
- mechatronics or infomechatronics

US
- wide variety of power industry sponsors (Utilities & Renewable)
- a diverse industry with ample challenges
- industry focused on YOUR development

Bursary
- national program via API
National Power Engineering Bursary Program

What’s in it for YOU?

1. $$$$$ - $4,000 payment over 4 years
   - Starting in Year 1 = NOW!
   - No strings attached
   - 20 bursaries available in 2016 in Australia

2. Vacation employment
   - Chance to learn about future job opportunities & challenges
   - May be required to travel or relocate away from home to undertake paid vacation work

3. Industry thesis topics
4. Networking opportunities
You can take part now!

To apply for the API Bursary go to: www.api.edu.au
- on the “API Bursary” tab
- closing date for applications: MONDAY 4 July 2016

For more details about careers in power industry: www.powerengineering.org.au
2016 Australian Power Institute Member Companies

- Ausgrid
- TransGrid
- Endeavour Energy
- ElectraNet
- Aurecon
- TasNetworks
- Origin
- AusNet
- PowerLink
- SA Power Networks
- Wilson Transforming
- Energex
- United Energy
- Ergon Energy
- AEMO
- Essential Energy
- Synergy
- Western Power
Selection Criteria

Sound academic performance
(based on Tertiary Entrance Results + 1st Semester University results)

Interest and motivation for a career in the energy industry

Available to Australian Citizens and Permanent Residents