



Australian
National
University

Decarbonising The ANU Campus

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Australian National University

Introduction

- Key drivers
- Energy growth
- Initiatives
- Future directions

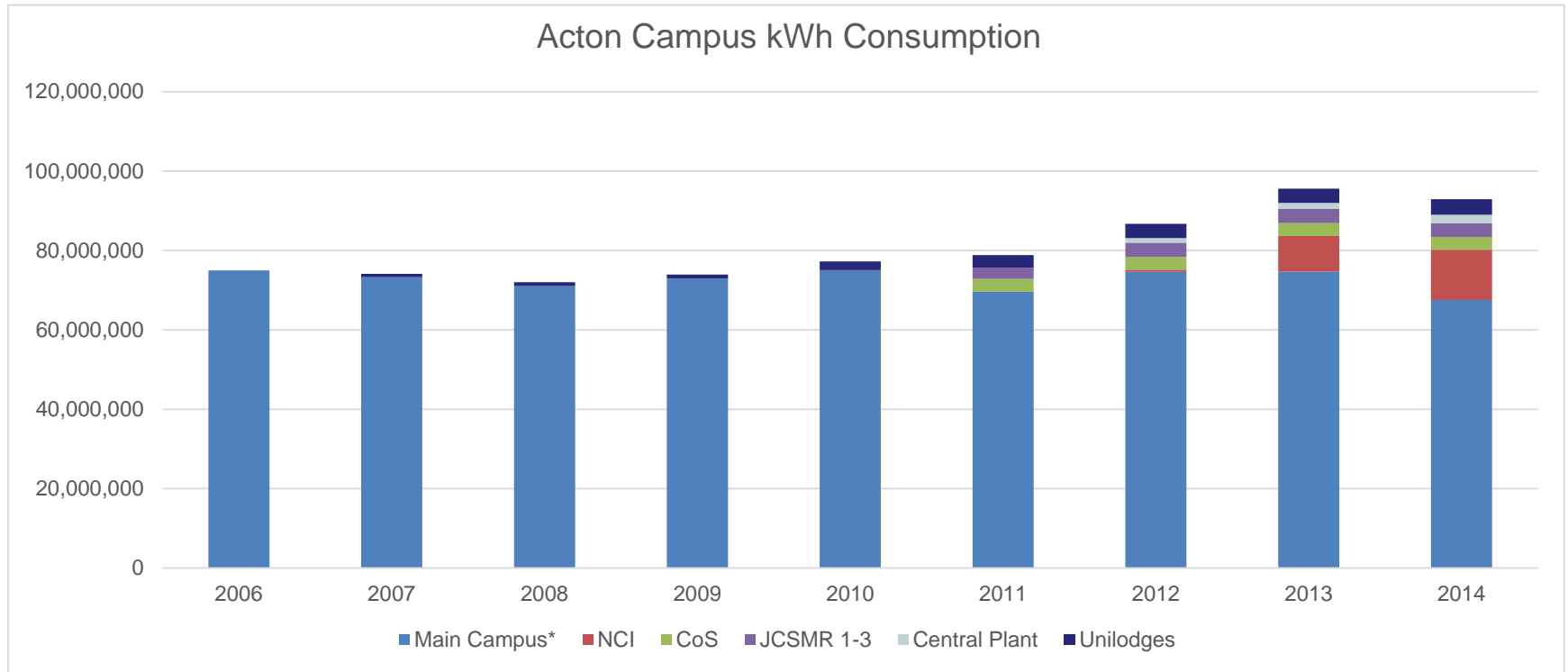


Key Drivers

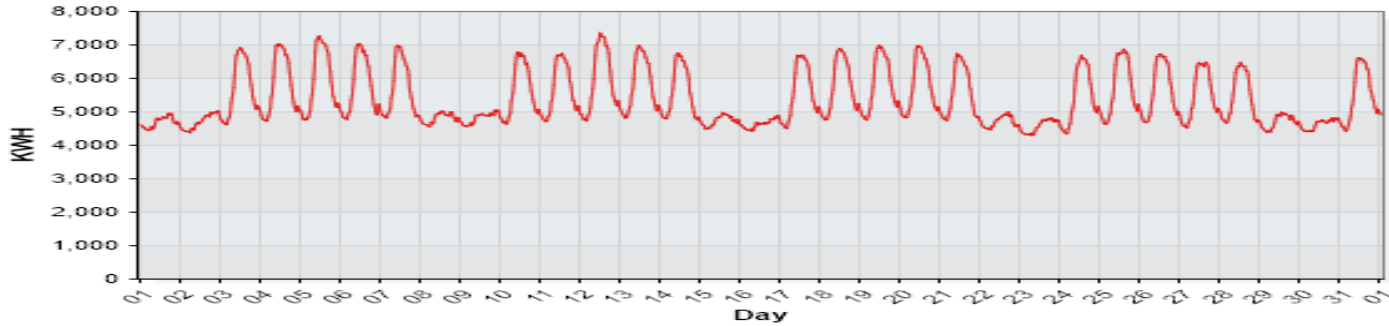
- ❖ Existing targets within the EMP 2009 - 2015
- ❖ A reduction in operational cost
- ❖ Network capacity
- ❖ Reputation



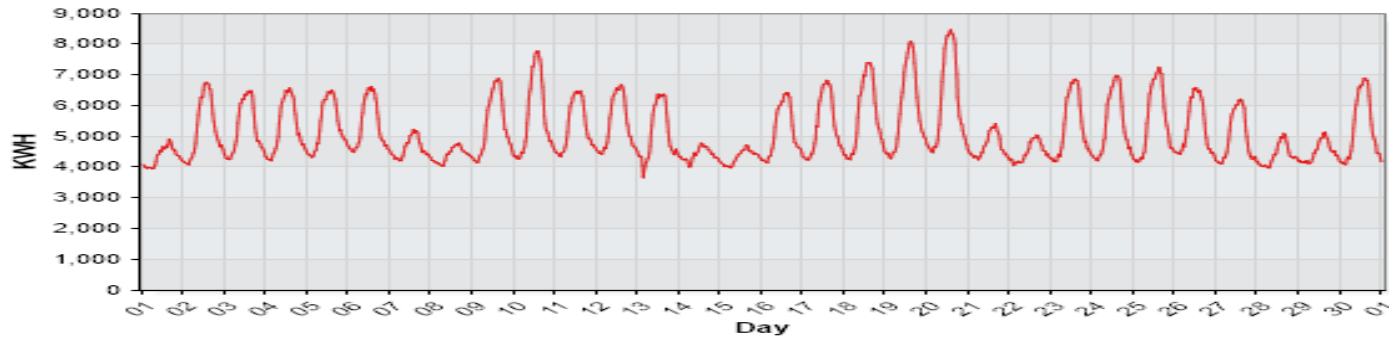
The Challenge



Monthly Electricity Profile

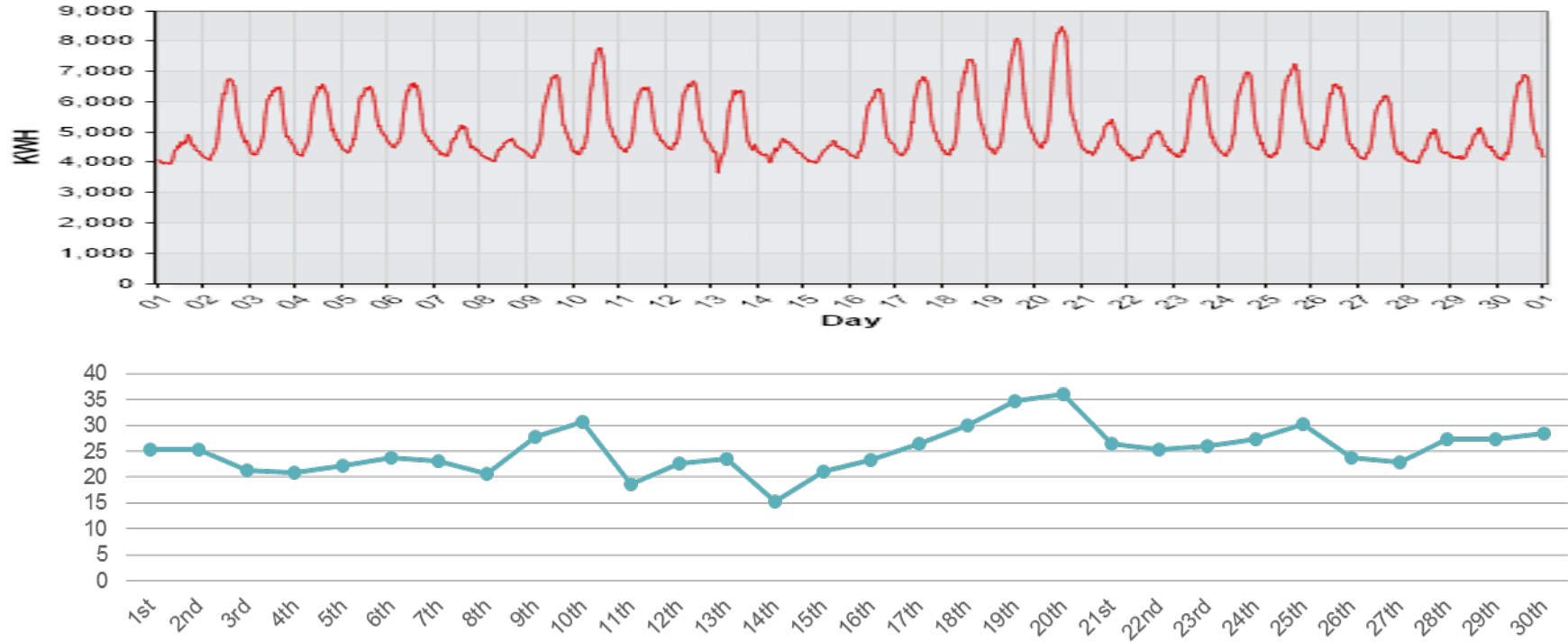


August daily
consumption

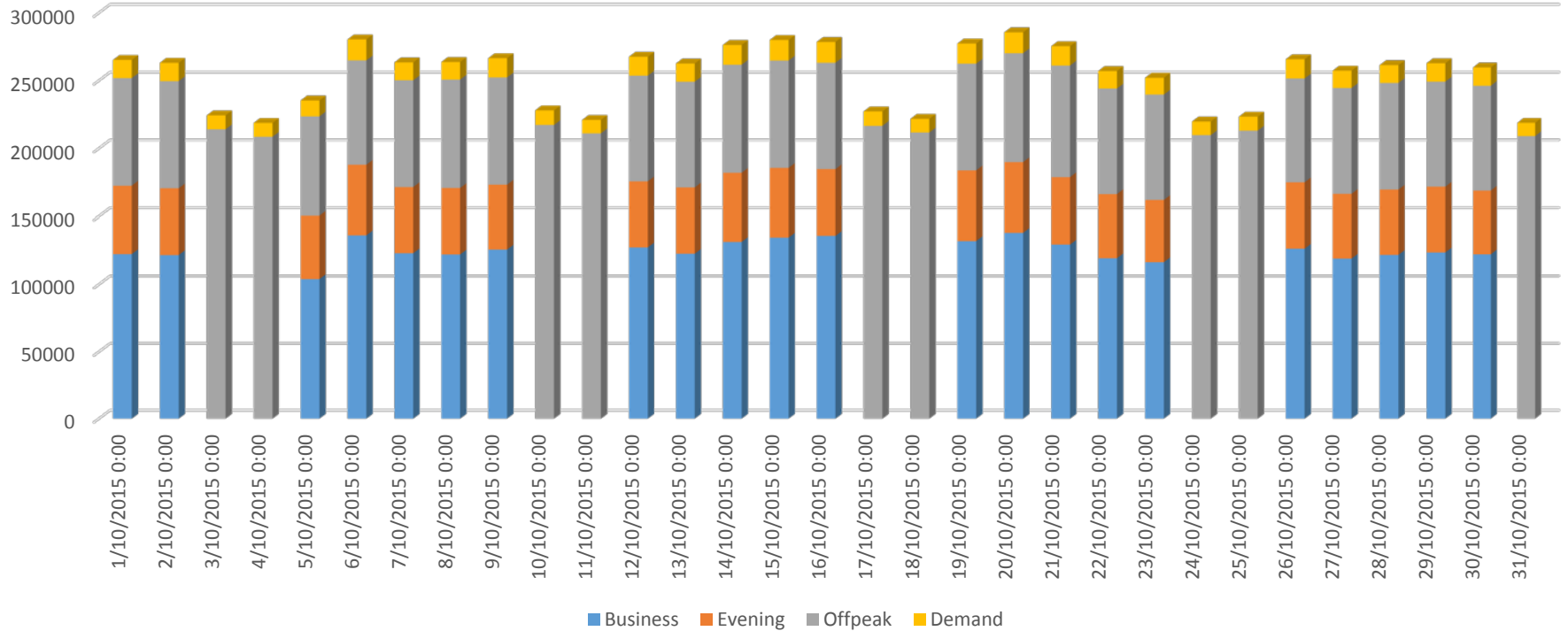


November daily
consumption

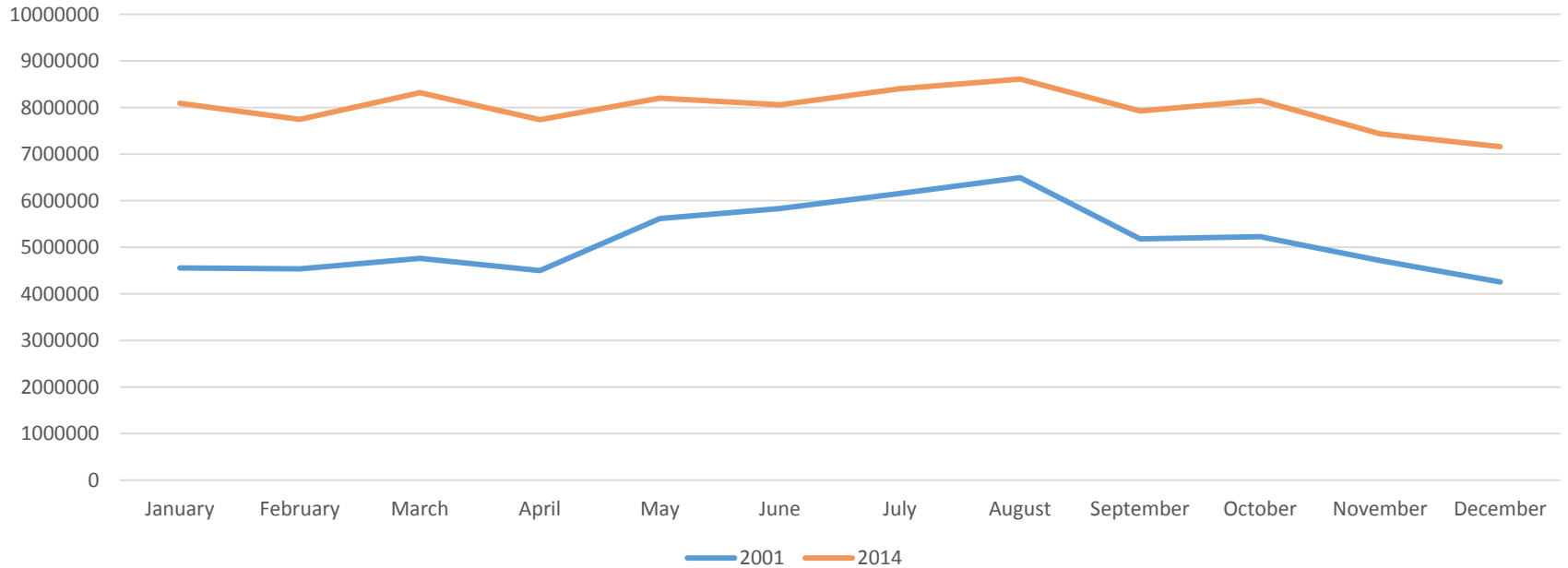
Electrical Load and Temperature



Acton Profile October 2015



Acton Campus 2001 -2014



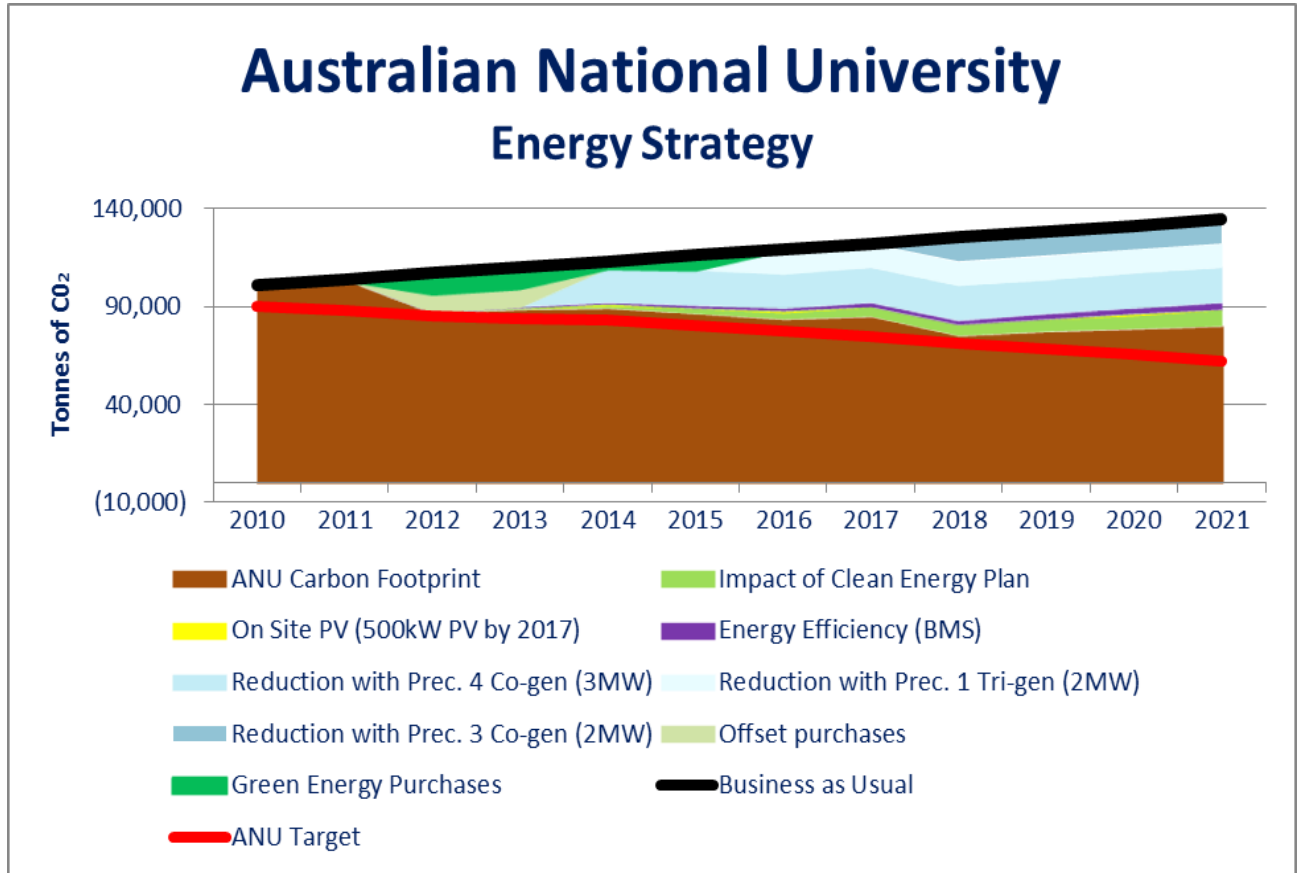
Targeted Energy Efficiency

- Metering upgrade project
- Top 50 building list
- HVAC
- Lighting
- BMS



Possible Solutions

- Energy Efficiency
- Solar PV
- Solar Thermal
- Co-Gen
- Tri-Gen



Main Challenges/ Opportunities

- ❖ Development of Energy Master plan
- ❖ Reduce Consumption
- ❖ Re-use and Recycle Energy
- ❖ Re- Think

