



Australian PV Association

Introduction to the APVA and Update of the Australian PV Market

Anna Bruce

Secretary, Australian PV Association

www.apva.org.au

The Australian Photovoltaics Association



- *80 members – research, industry, government*
- *PV industry development*
- *Policy analysis*
- *Collaborative R&D*
 - *local – incl. Solar Access & Council PV Guidelines, FiT analyses*
 - *International via IEA PVPS – incl. High PV Penetration, PV in Diesel Grids, PV in Urban Environments*
- *Standards, performance & data*
- *Information, education and advocacy*
 - *Annual PV Report*
 - *PV analysis & strategy papers*

APVA Reports: www.apva.org.au



PV IN AUSTRALIA 2010

Prepared for the International Energy Agency
Cooperative Programme on PV Power Systems

by
Australian PV Association
May 2011

AUTHORS:
Dr Muriel Watt & Dr Robert Passey, IT Power (Australia)
Warwick Johnston, SunWiz

With support from



Best Practice Guidelines for Local Government Approval of (Solar) Photovoltaic Installations



June 2009

Australian PV Association
ABN: 91 006 003 190
92 Prince Hwy, Lake Tossure
NSW 2539, AUSTRALIA

email: info@apva.org.au
web: www.apva.org.au



Current PVPS Tasks

- **Task 1. Exchange & Dissemination of Information on PV Power Systems**
- **Task 8. Very Large Scale PV Power Generation Systems**
- **Task 9. PV Services for Developing Countries**
- **Task 11. PV Hybrid Systems within Mini-Grids**
- **Task 12. Environmental Health & Safety Issues of PV**
- **Task 13. Performance & Reliability**
- **Task 14. High Penetration PV in Electricity Grids**



Recent Reports and Projects

- Task 14 – Alice Springs Case Study
 - Next reports: Carnarvon, Norfolk Island, Magnetic Island, Blacktown
 - Modelling reports
 - residential, commercial, utility-scale
 - PV Safety
 - for fire-fighters and homeowners
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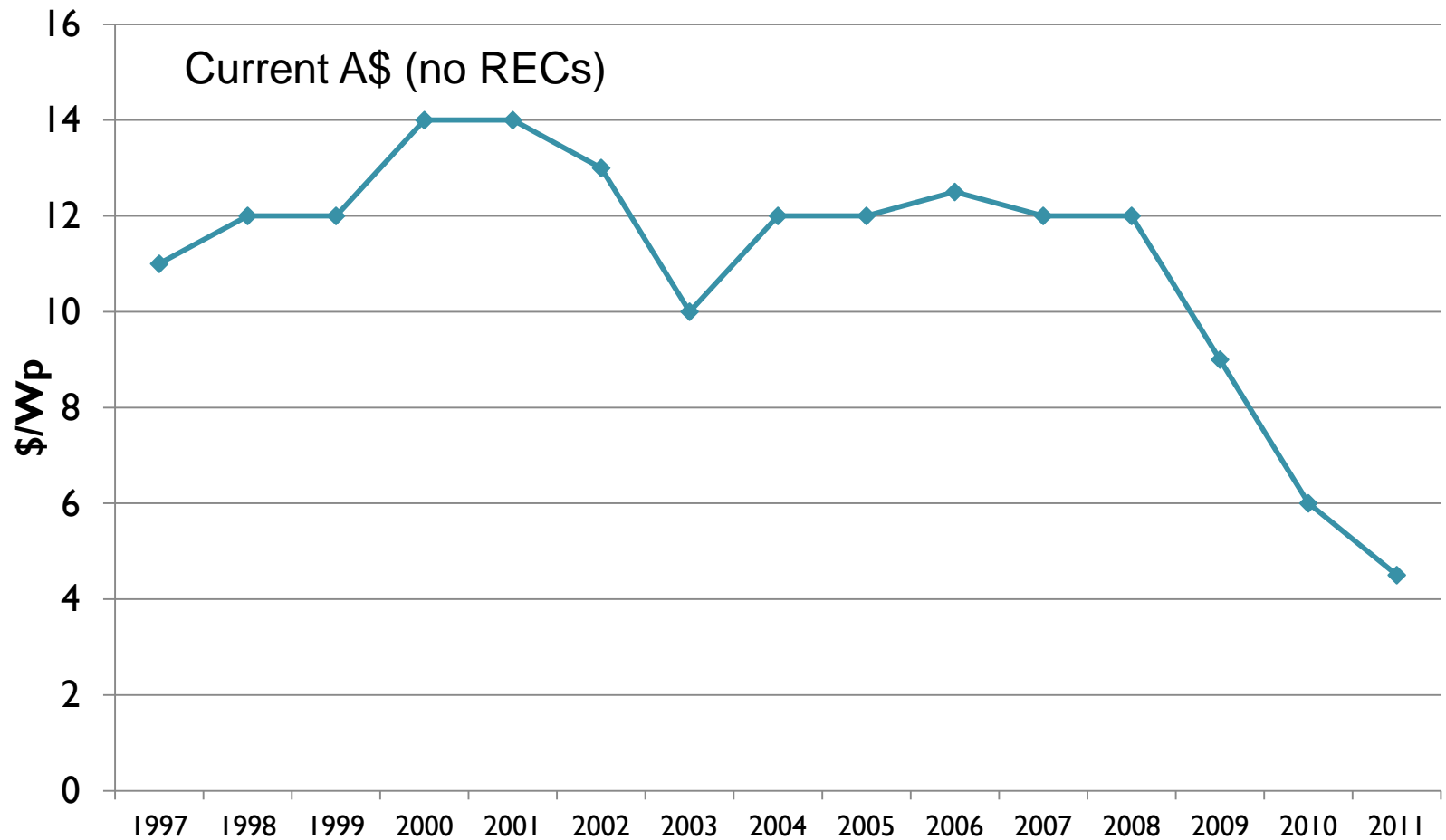


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AUSTRALIAN PV TRENDS



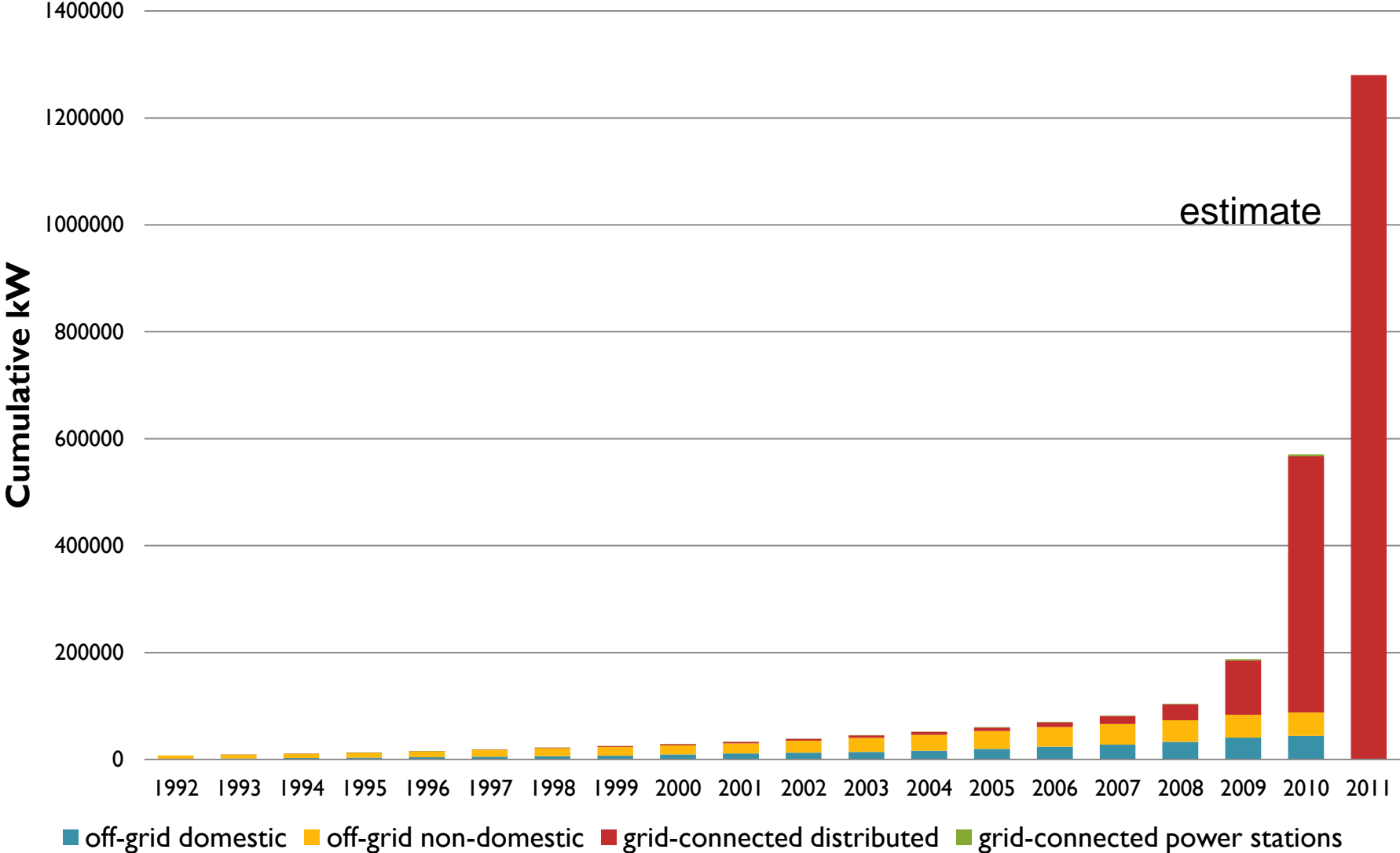
Grid System Price Trend



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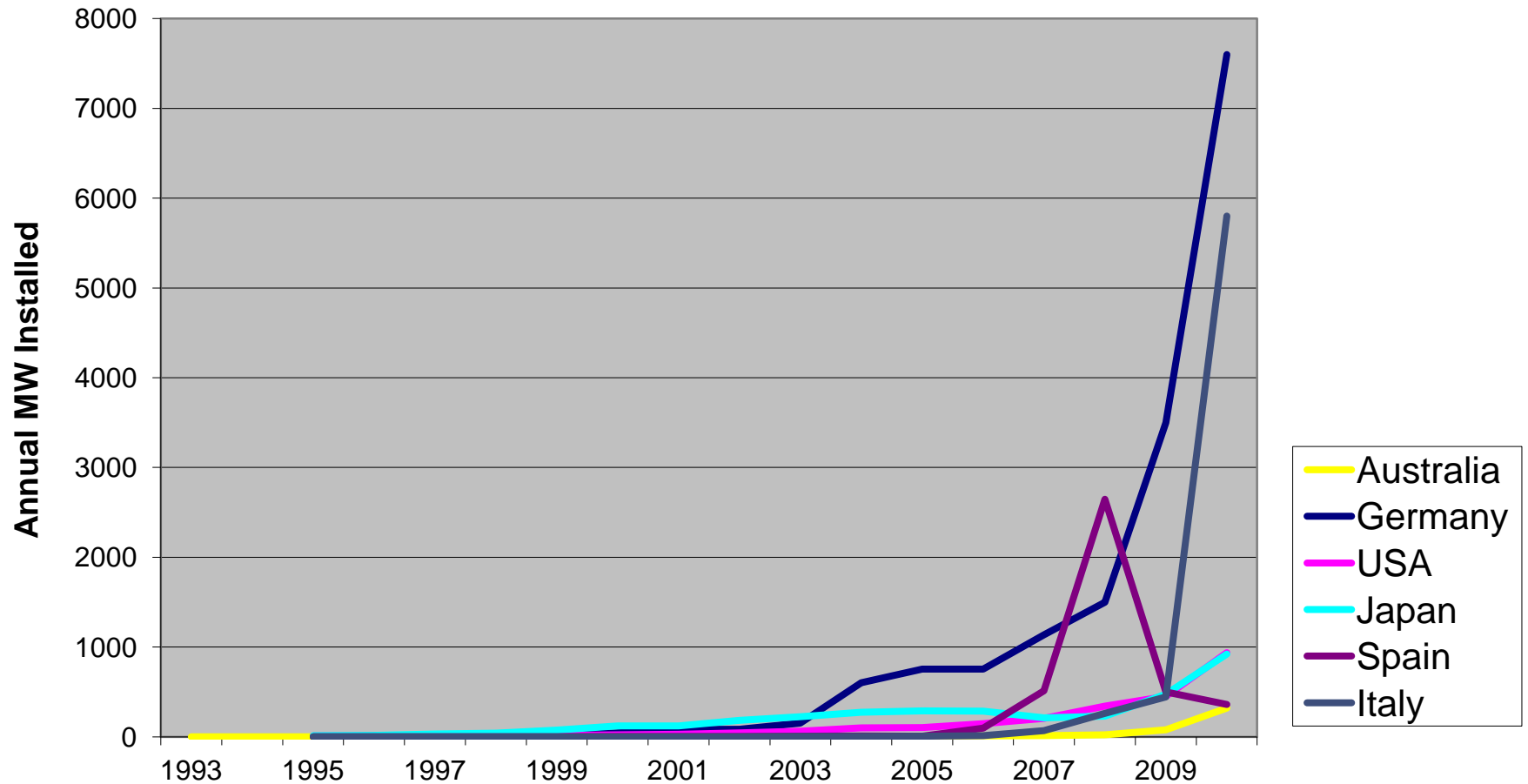
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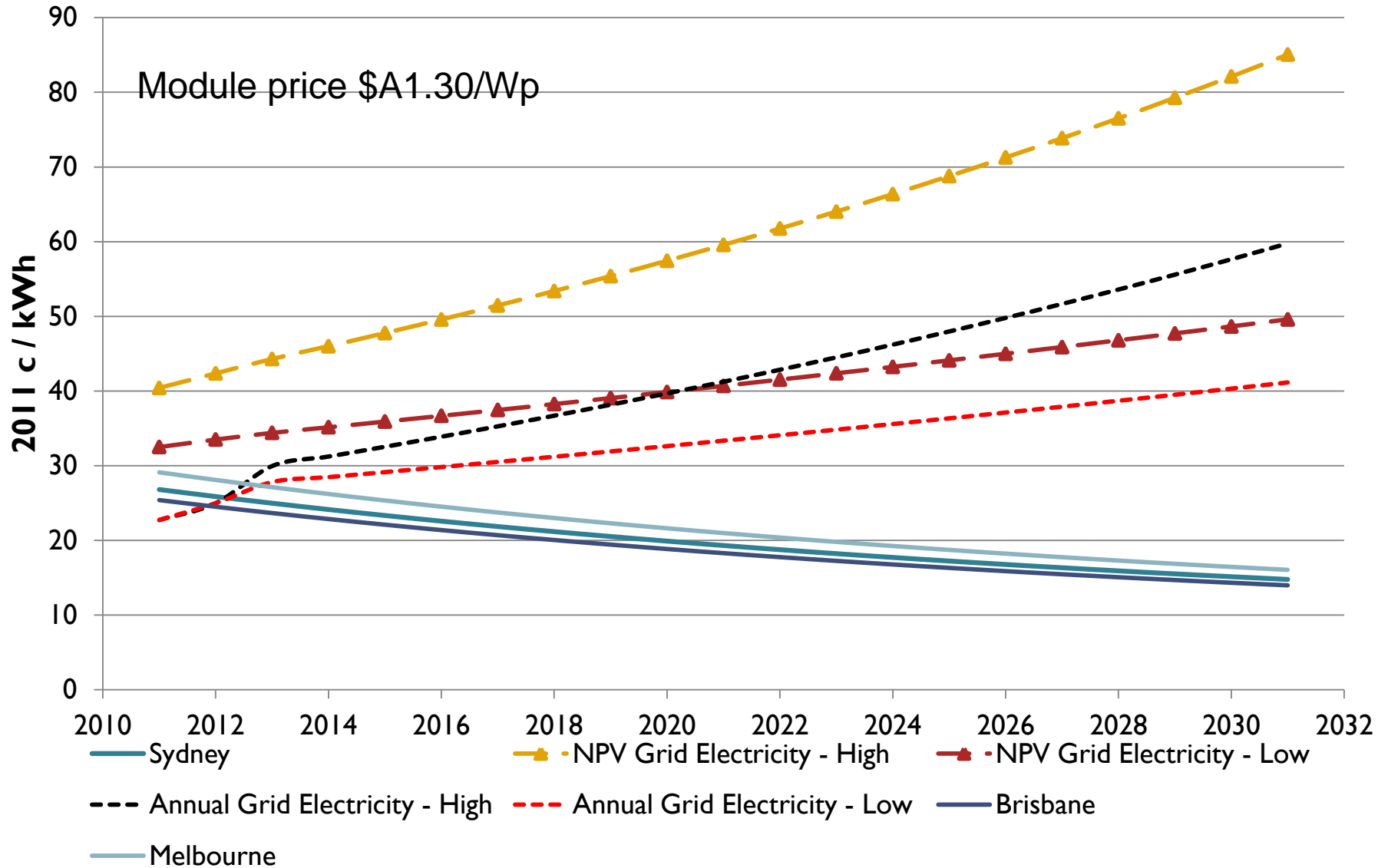
Australia in the top 10 for installations (PVPS, Photon International)



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Residential System Price trends and Grid Parity Projections





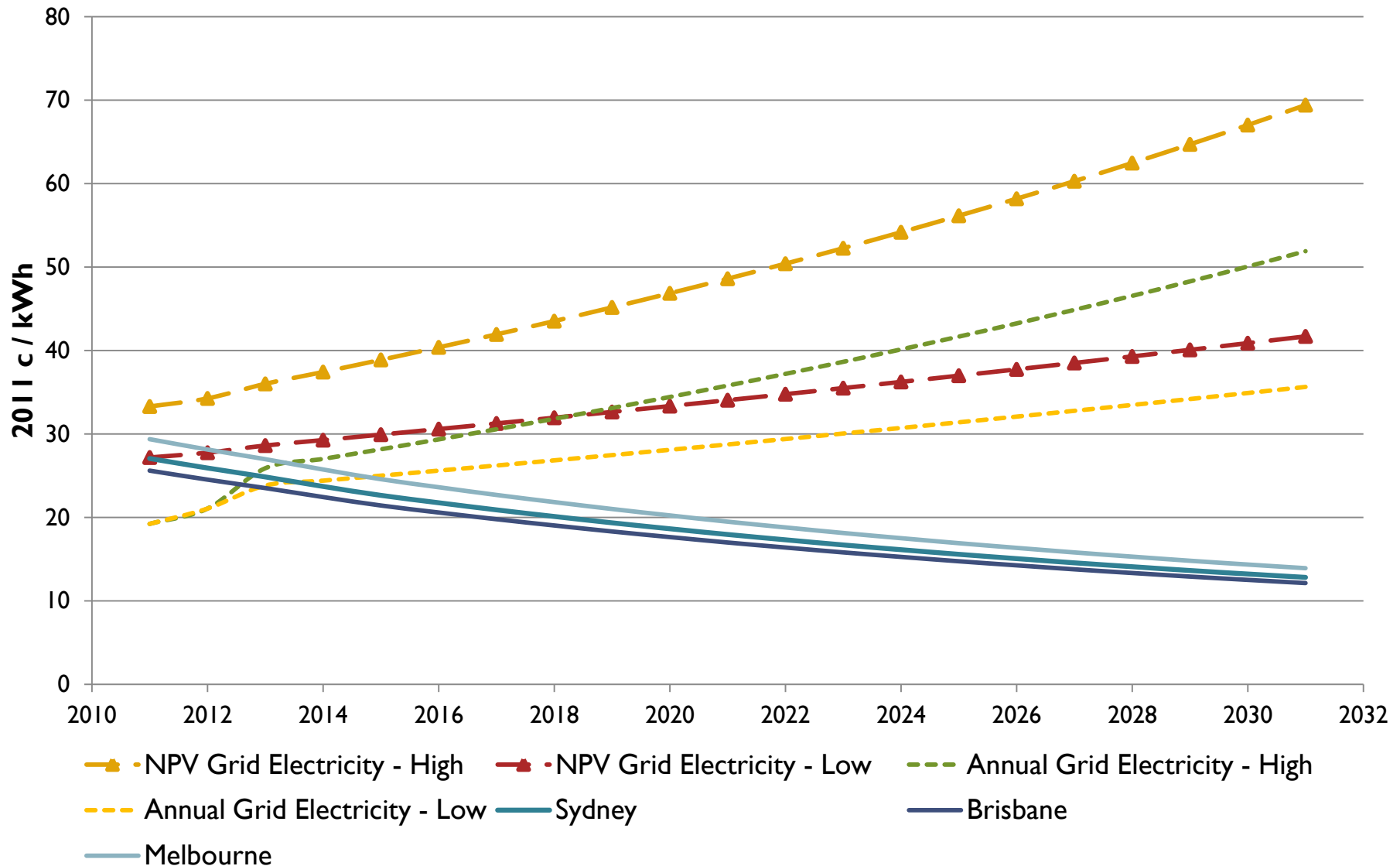
Residential sector Drivers

- Retail grid parity starting now!
 - implications on uptake?
 - Installation restrictions?
 - Need 'Smart' grids & financing options
 - Need technical & regulatory changes to facilitate high penetration
 - Mainstreaming & moving away from subsidies:
 - building codes, zero energy home targets
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Commercial System Price trends and Grid Parity Projections



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We can get to 4GW by 2020!



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