

# 2011: a year in review

EEA – 20th June, 2012

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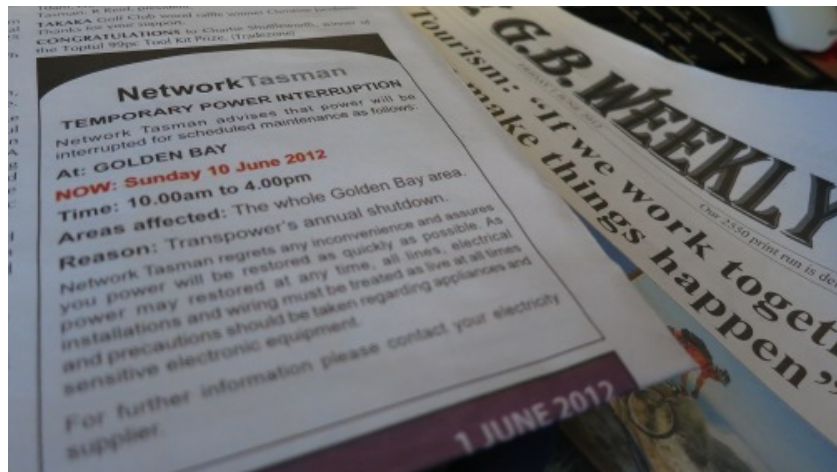
## My holiday pics



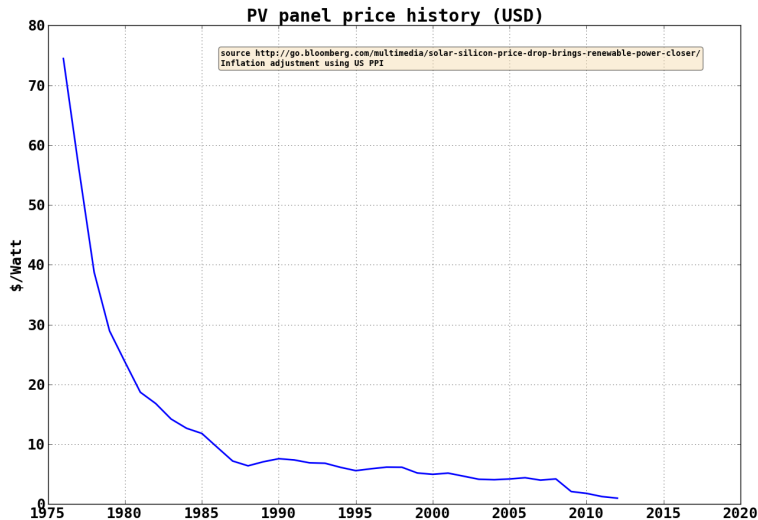
## PV system inverter, MPPT and batteries



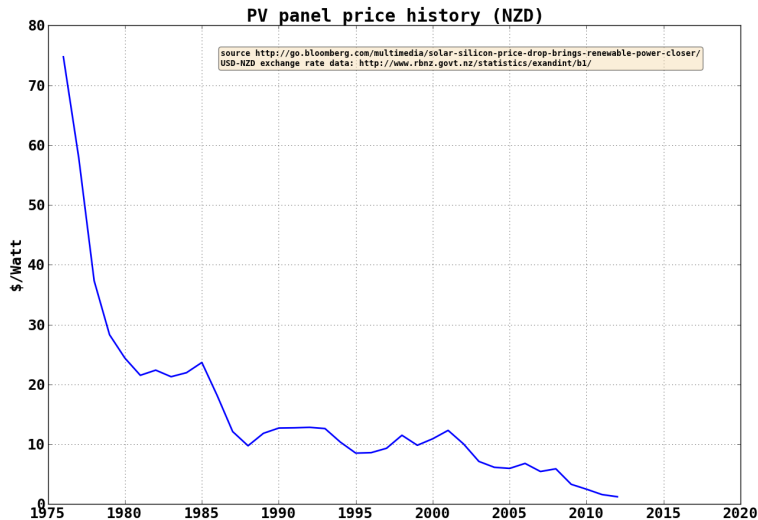
## Power cut Sunday



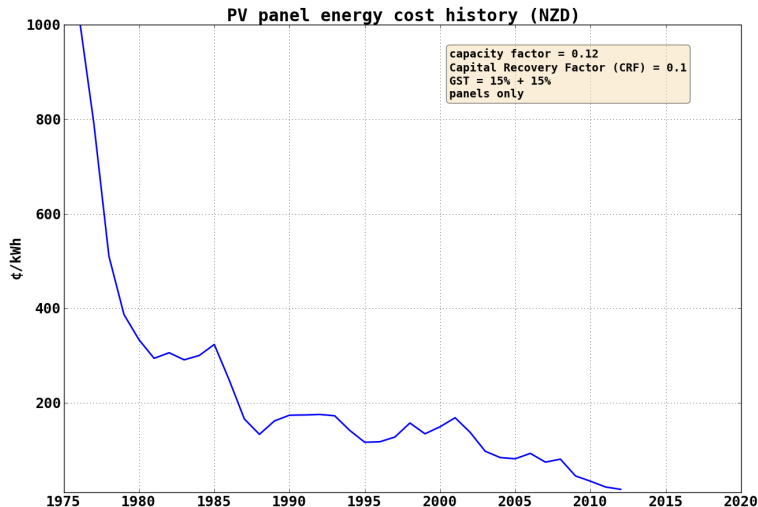
## PV panel nameplate price trend (USD)



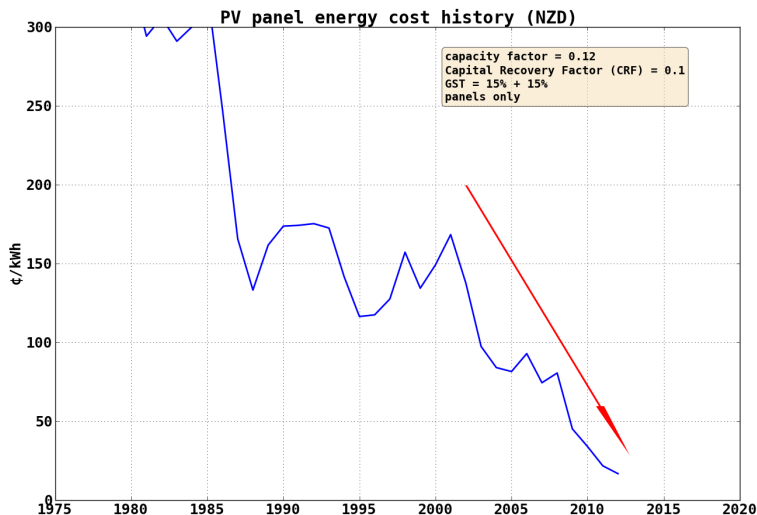
## PV panel nameplate price trend (NZD)



## PV energy cost trend (¢/kWh)

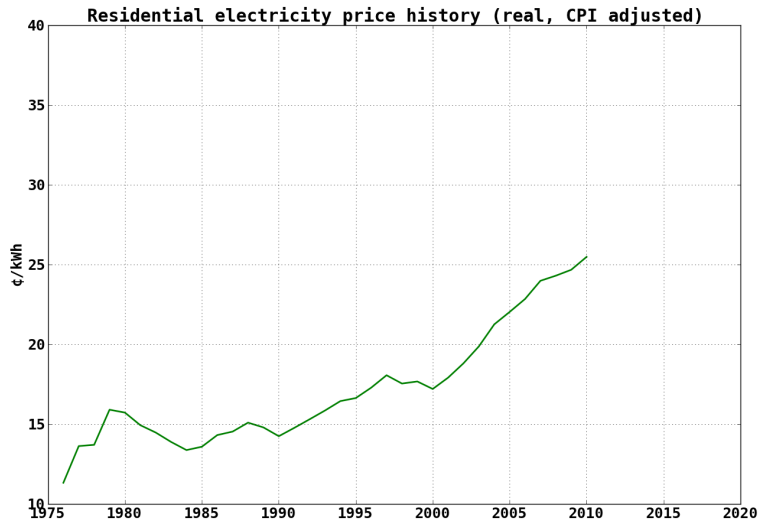


## PV energy cost trend (¢/kWh)

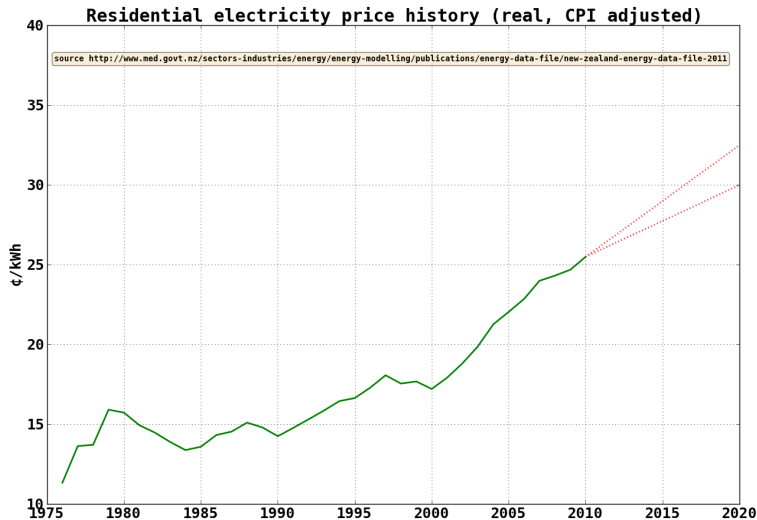




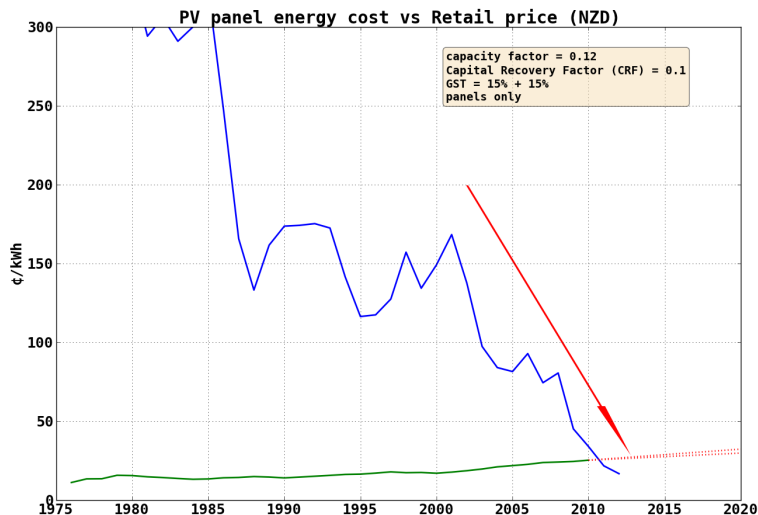
## Residential electricity price trend (¢/kWh)



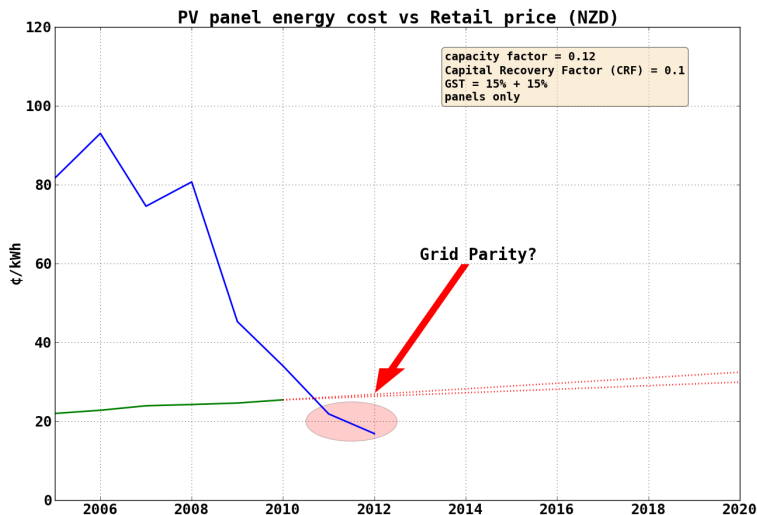
## Residential electricity price trend (¢/kWh)



## Residential electricity price vs PV price trends (¢/kWh)

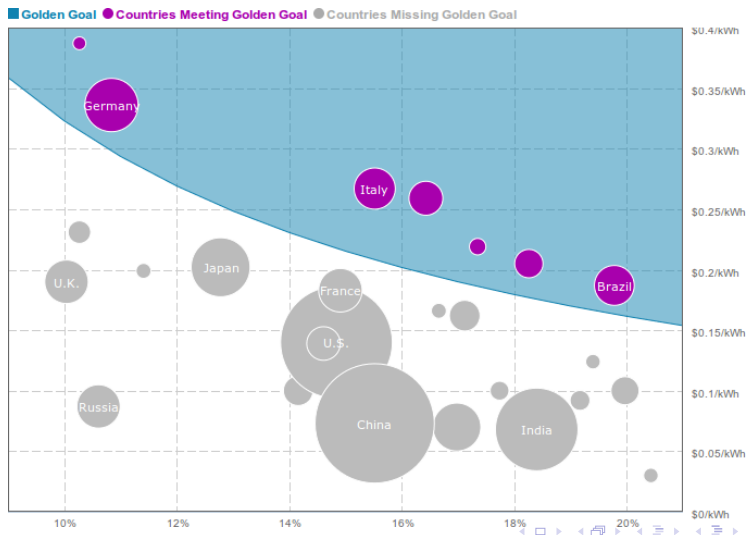


## Have we reached, or are we about to reach, grid parity?



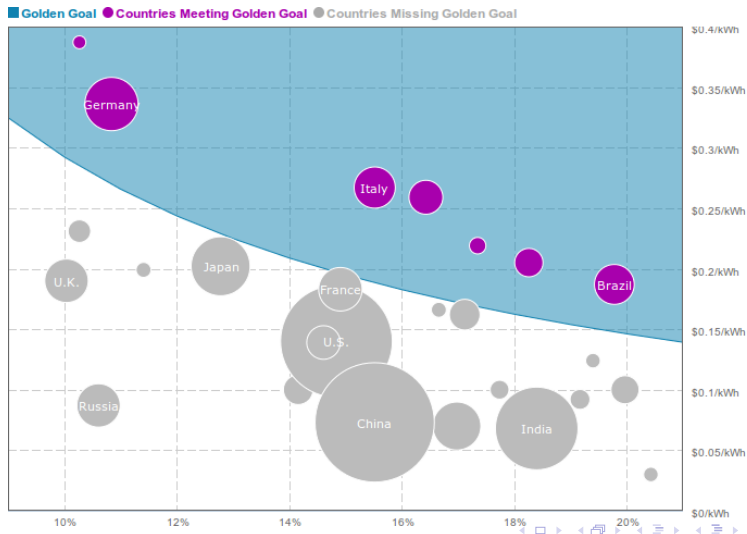
## Grid parity “Golden Goal” – 2012

<http://go.bloomberg.com/multimedia/solar-silicon-price-drop-brings-renewable-power-closer/>



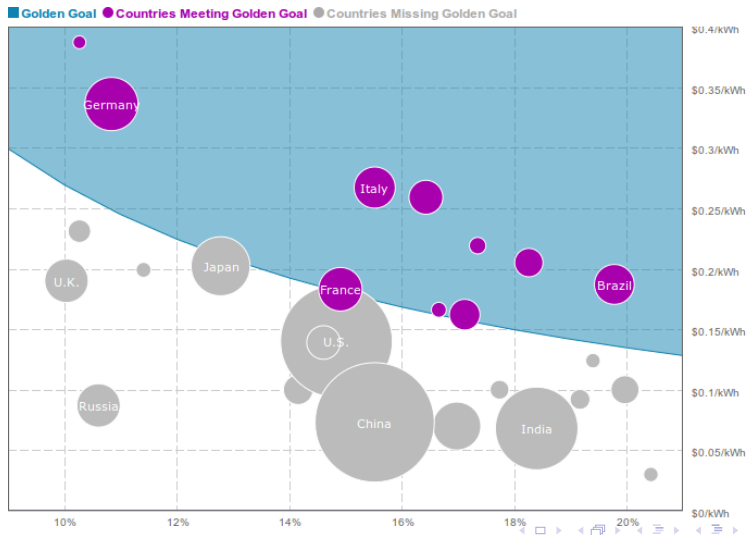
## Grid parity “Golden Goal” – 2013

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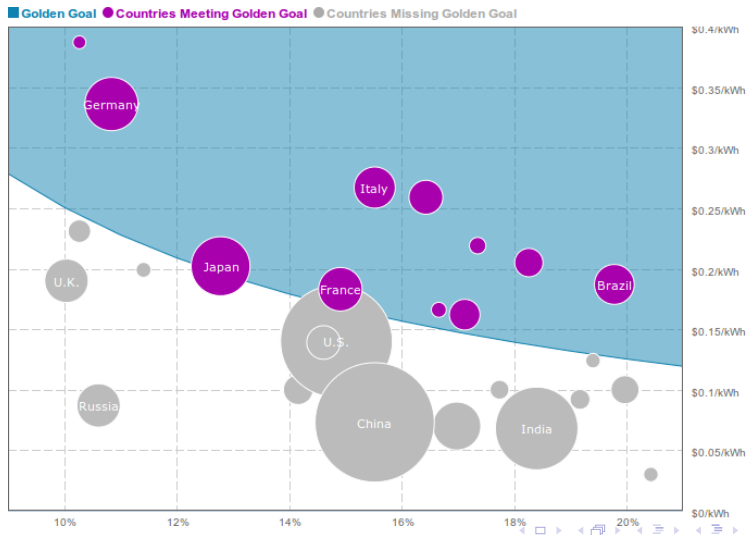
## Grid parity “Golden Goal” – 2014

<http://go.bloomberg.com/multimedia/solar-silicon-price-drop-brings-renewable-power-closer/>



## Grid parity “Golden Goal” – 2015

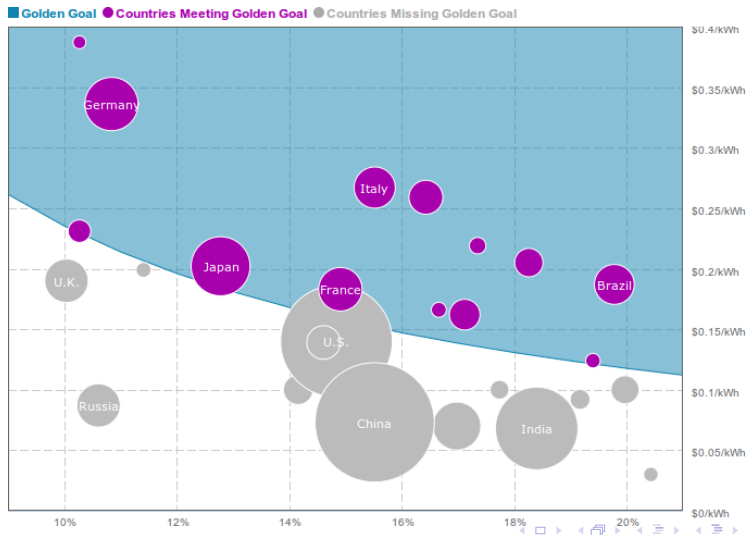
<http://go.bloomberg.com/multimedia/solar-silicon-price-drop-brings-renewable-power-closer/>





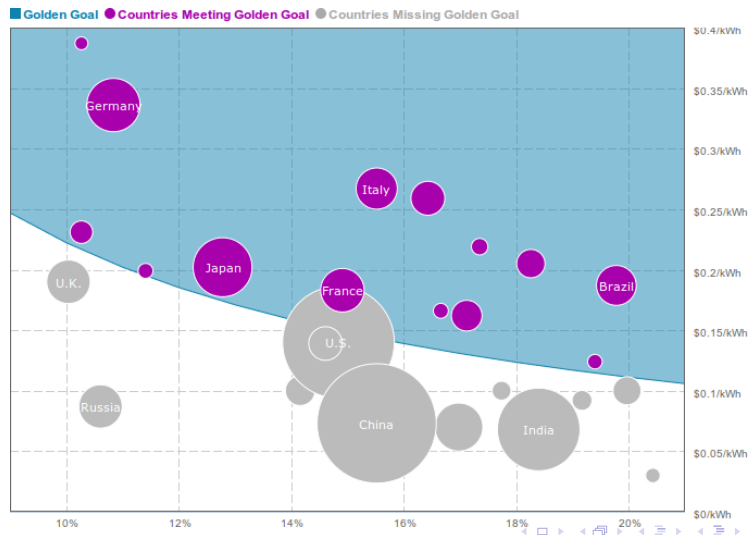
## Grid parity “Golden Goal” – 2016

<http://go.bloomberg.com/multimedia/solar-silicon-price-drop-brings-renewable-power-closer/>



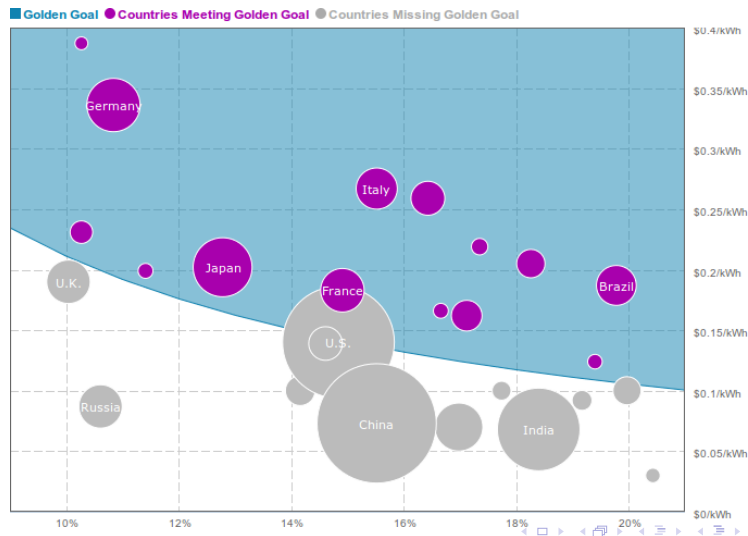
## Grid parity “Golden Goal” – 2017

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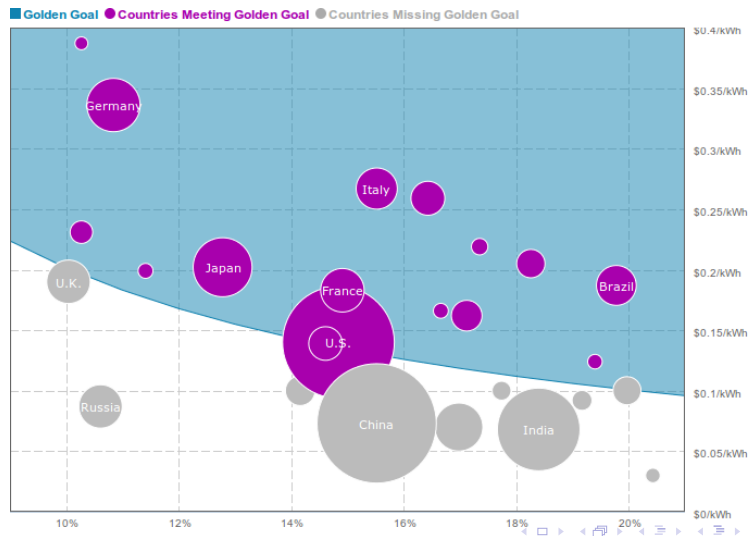
## Grid parity “Golden Goal” – 2018

<http://go.bloomberg.com/multimedia/solar-silicon-price-drop-brings-renewable-power-closer/>



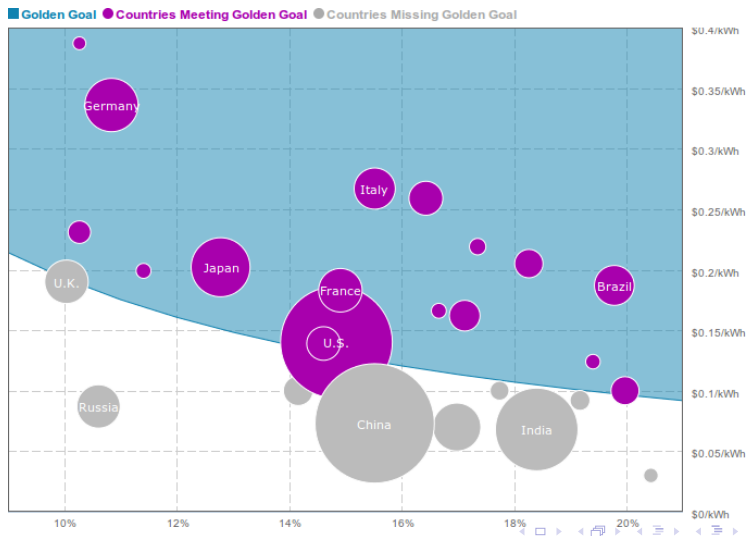
## Grid parity “Golden Goal” – 2019

<http://go.bloomberg.com/multimedia/solar-silicon-price-drop-brings-renewable-power-closer/>



## Grid parity “Golden Goal” – 2020

<http://go.bloomberg.com/multimedia/solar-silicon-price-drop-brings-renewable-power-closer/>



# 2011: a year in review

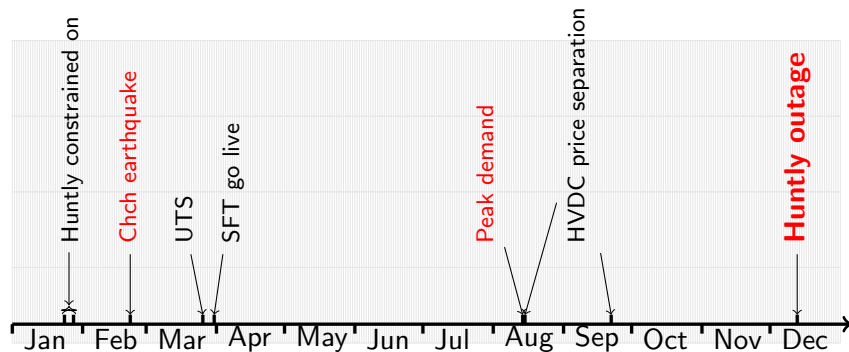
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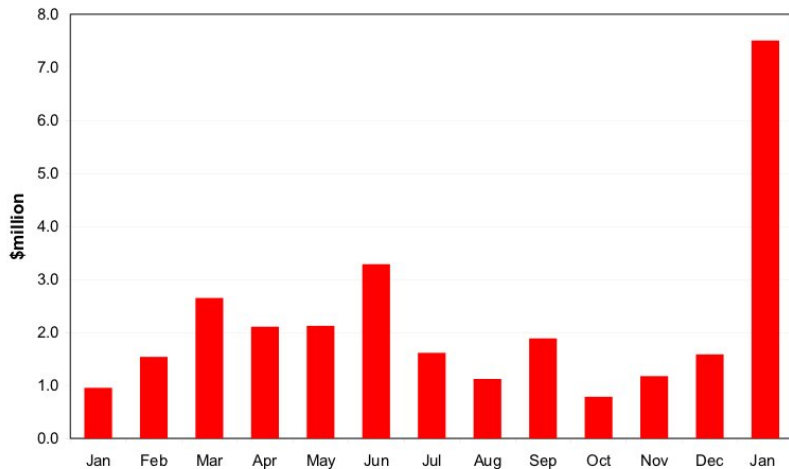
[david.hume@ea.govt.nz](mailto:david.hume@ea.govt.nz)

Market Performance team, Electricity Authority of New Zealand

## Timeline of 2011



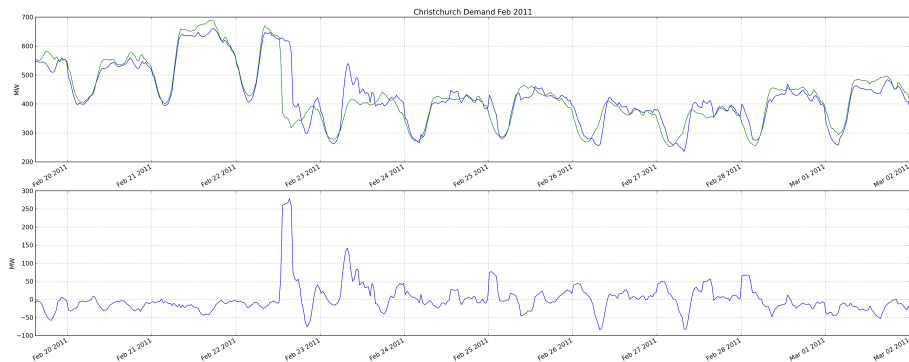
## 23rd–27th of January, 2011 – Huntly constrained on

**Figure 7 Monthly constrained-on costs, January 2010 – January 2011**

Source: Electricity Authority



## 22nd February, 2011 – Christchurch demand



## 22nd April, 2010 – Wellington CBD trip

