With great data comes great opportunity

Real examples and future possibilities of consumer energy data
Smart meters

A great consumer benefit? Or a false promise that never delivered?

How is energy data being used right now to benefit energy consumers?
Understand, choose, and compare...

Understand usage patterns and make decisions about changes

Energy offer comparisons or solar/battery system sizing based on actual usage

Third parties with authorisation to access customer data add significant value in most cases
Understand, choose, and compare…

HISTORIC DATA

Understand usage patterns and make decisions about changes.

Energy offer comparisons or solar/battery system sizing based on actual usage.

Third parties with authorisation to access customer data add significant value in most cases.
Understand, choose, and compare...
**HISTORIC DATA**

Understand, choose, and compare...

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### Your electricity offers

These offers are based on the details you provided:
- Energy concessions: No
- Avg. daily usage: 7.5kWh

**FILTERS**
- Energy retailers
- Features
- Contract length
- External resources

**ENERGY RETAILERS**

<table>
<thead>
<tr>
<th>Retailer</th>
<th>Contract Length</th>
<th>Exit Fee</th>
<th>Best Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tango Energy Pty Ltd.</td>
<td>No</td>
<td>$0</td>
<td>$870 p/year</td>
</tr>
<tr>
<td>Goolbird Energy</td>
<td>No</td>
<td>$0</td>
<td>$900 p/year</td>
</tr>
<tr>
<td>Click Energy</td>
<td>No</td>
<td>$0</td>
<td>$940 p/year</td>
</tr>
<tr>
<td>Sumo</td>
<td>No</td>
<td>$0</td>
<td>$940 p/year</td>
</tr>
<tr>
<td>Powershop Australia</td>
<td>No</td>
<td>$0</td>
<td>$950 p/year</td>
</tr>
<tr>
<td>Lumo Energy</td>
<td>No</td>
<td>$0</td>
<td>$950 p/year</td>
</tr>
</tbody>
</table>

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**Compare selected**

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*renew.*
Understand, choose, and compare…

HISTORIC DATA
Understand, choose, and compare...
React and respond...

Help consumers understand their consumption in the moment and identify inefficient appliances and practices.

Enhance energy audits with demonstrations of appliance usage and consumption.

Add value to demand response, load control, responsive energy management services.
Individual and aggregated granular localised data can guide energy businesses’ and governments’ planning and decision-making.

Deidentified rich energy datasets can help researchers and advocates understand the impact of tariffs, energy technology, concessions, etc.
Risks need to be managed and measures put in place to make it work for everyone.

- **PRIVACY & SECURITY**
  - Privacy Act coverage
  - Informed consent
  - Security standards

- **ACCESS**
  - Data standards
  - Interoperability
  - Access rights (incl. third party access)

- **COSTS**
  - Centralisation?
  - Contestability?
  - Regulatory oversight

- **CUSTOMER PROTECTIONS**
  - Regulation?
  - Voluntary code?
  - Dispute resolution
Thanks
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