



INFINITE energy

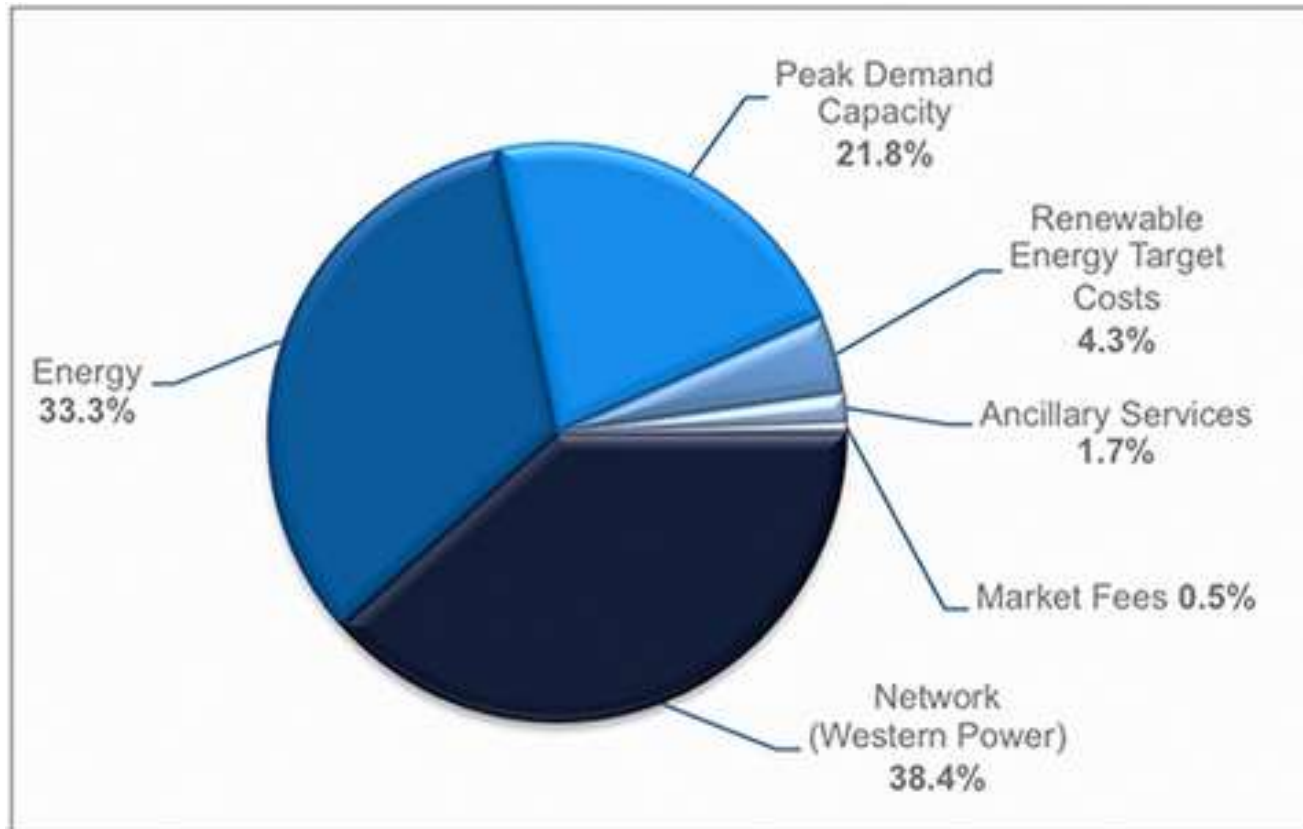


CEC Guide to Improving Electricity Use in Your Business

Aidan Jenkins
Infinite Energy



What makes up Business Electricity Tariffs in WA



Source: [What makes up Electricity Tariffs in Western Australia](#) (Infinite Energy)

Types of Electricity Tariffs

Gazetted Tariffs (Standard Synergy Tariffs)

- Community Service Plan (C1) tariff
- Charity Accommodation Plan (D1) tariff
- Business Plan (L1) tariff
- Business Plan Fifty (L3) tariff
- Business Time of Use (R1) tariff
- Business Time of Use Fifty (R3) tariff
- Large Business Demand LV (S1) tariff
- Large Business Demand HV (T1) tariff
- Large Business Demand (M1) tariff

[Find a new Electricity Retailer](#)

Custom Bundled Tariffs

- Flat Rate (c/kwh)
- Peak and Off Peak Rate (c/kwh)

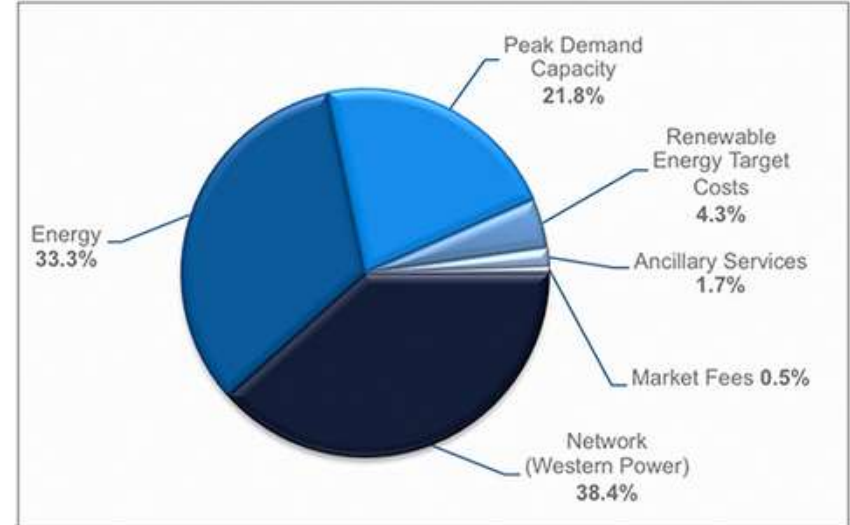
Unbundled Tariffs

- Energy
- Network Charges
- Capacity Charges
- LRET / SRES
- Ancillary Services
- Market Fees

Bundled vs Unbundled Tariffs

Bundled Tariffs

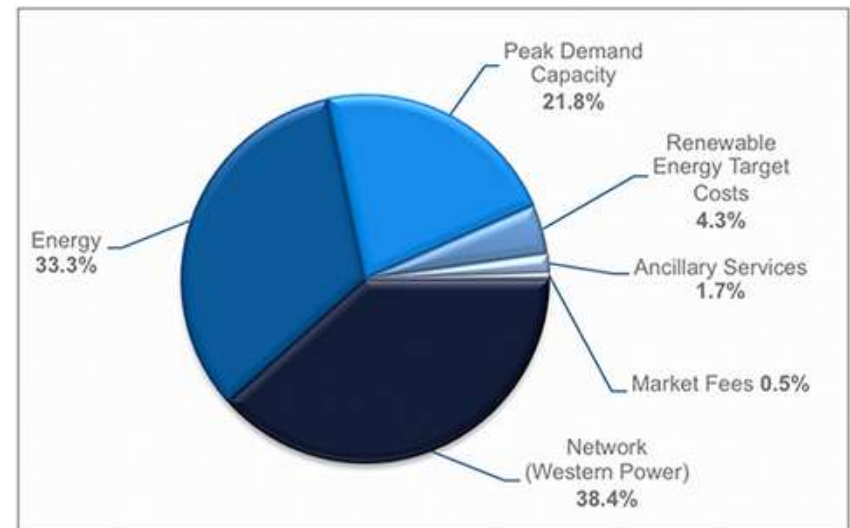
- Flat rate or Peak/Off-Peak (usually with a daily supply charge)
- Tariff set by Retailer at contract commencement
- Retailer assesses how much it will cost them to supply you based on each tariff component (on the right).
- Will usually have minimum take
- Retailer takes the risk /reward on:
 - Higher /Lower peak demand charges
 - Higher /Lower consumption
 - Higher /Lower consumption at peak times
 - Changes to rates of other charges



Bundled vs Unbundled Tariffs

Un-Bundled Tariffs

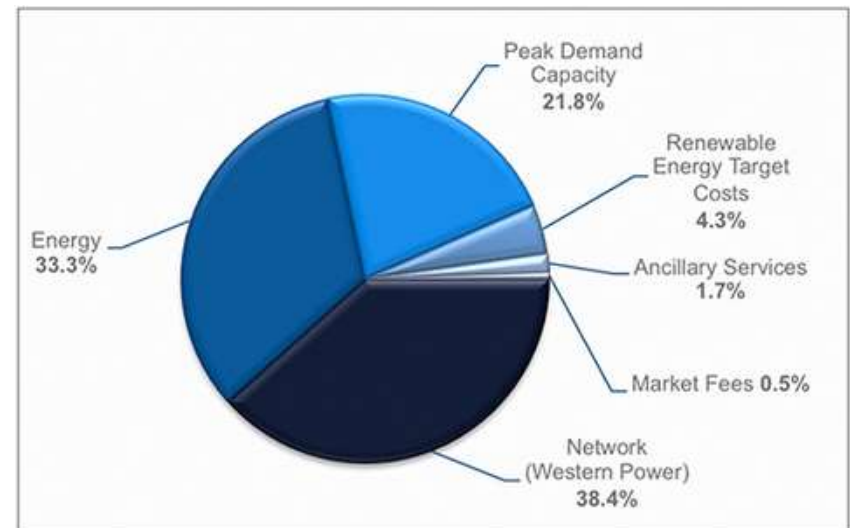
- Peak/Off-Peak for Energy only (very low)
- For the remainder the Customer billed only for actual ongoing costs incurred by the Retailer
- Usually no minimum take
- Customer takes the risk /reward on:
 - Higher /Lower peak demand charges
 - Higher /Lower consumption at peak times
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Bundled vs Unbundled Tariffs

Un-Bundled Tariffs

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What does this have to do with Energy Efficiency ?

Bundled Tariffs

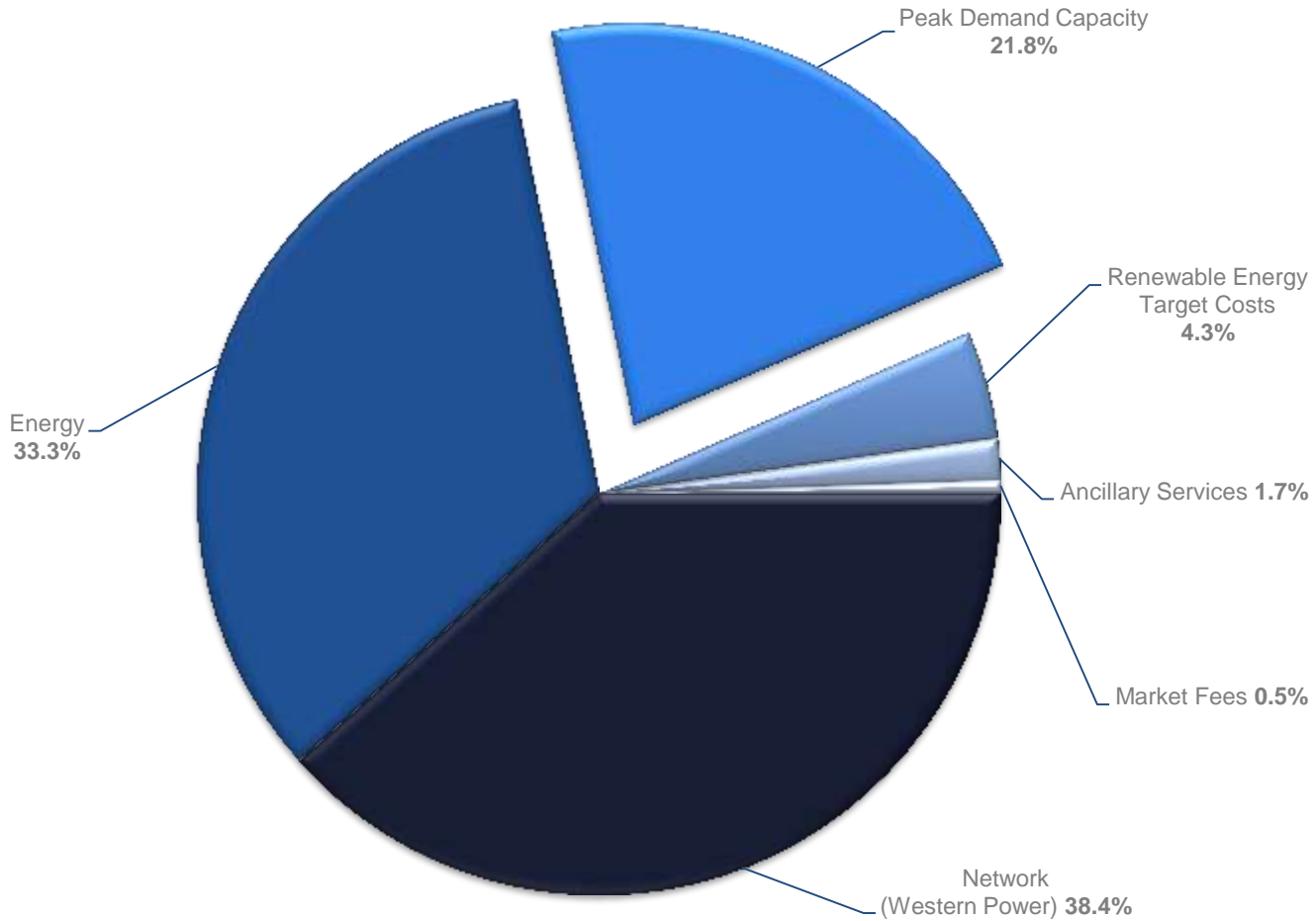
- Watch out for minimum take in contracts
- Subject to minimum take, energy volume reduction can have large impact on bill.
- However, this benefit may only last for this electricity contract period.

Un-Bundled Tariffs

- You benefit from reductions in
 - Volume of consumption (albeit to a lesser extent)
 - Peak demand Capacity charges (co-incidence with network peak)
 - Your overall Peak Demand (if on appropriate network tariff)
- Bigger benefits available
- Significant risks if you get it wrong



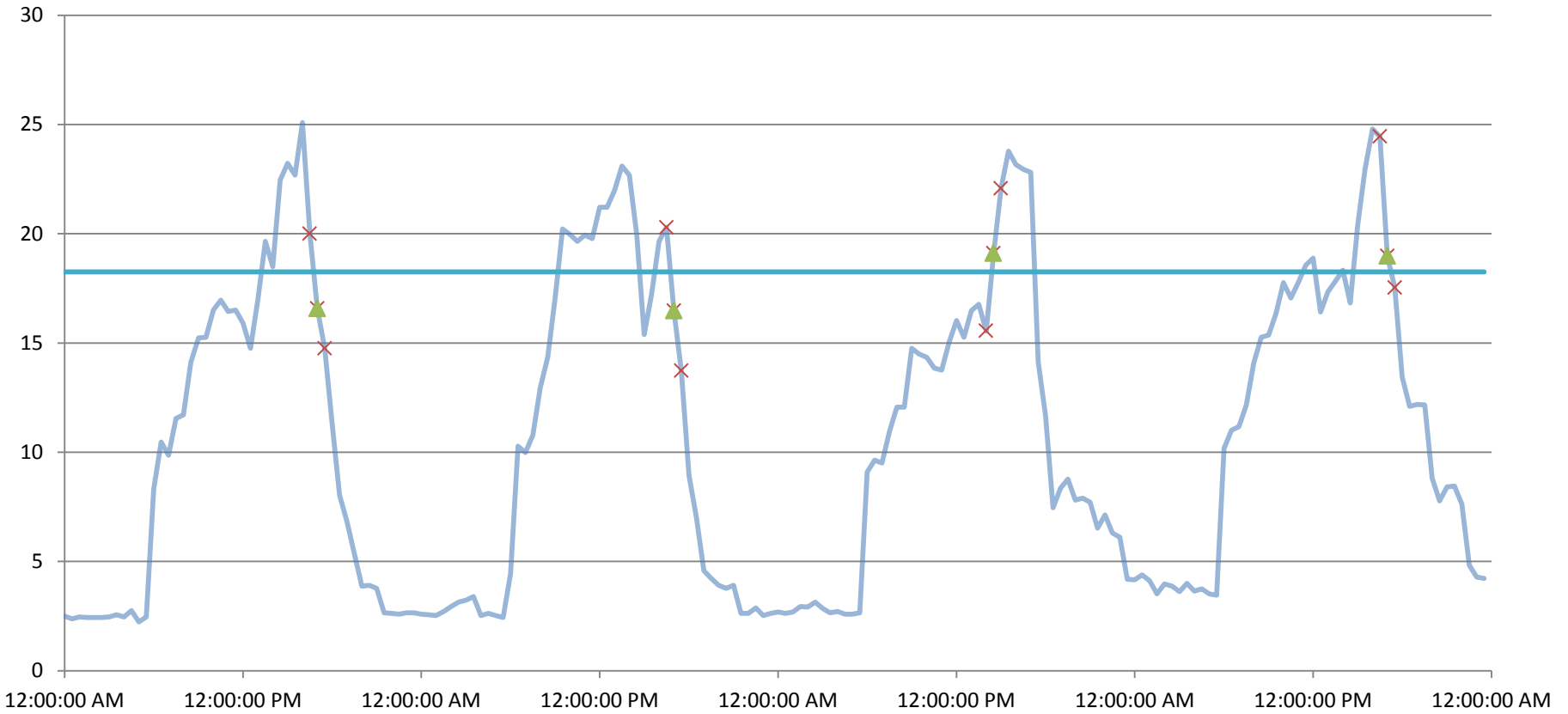
How do you control costs ?





Peak Demand Capacity Charges in WA

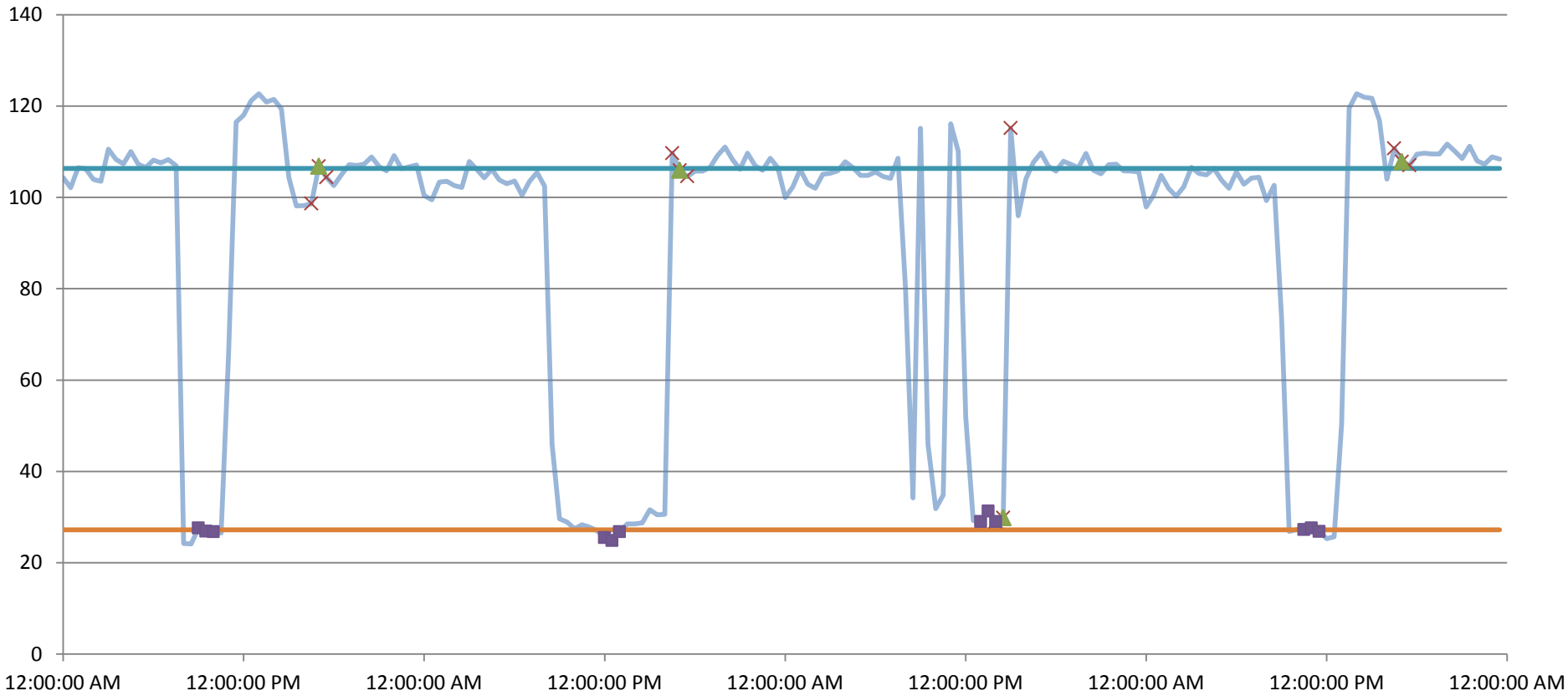
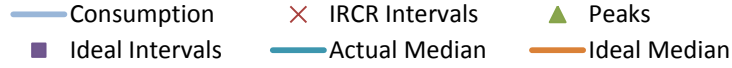
— Consumption × IRCR Intervals ▲ Peaks — Actual Median





Load Profile and Pricing

Capacity Manipulation



What about Solar PV ?

Benefits

- Less units to be purchased
- Most units produced at Peak times (5/7ths)
- Generally producing at Capacity Peak
- Can have additional benefits for your individual peak demand charges





Questions



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