

Energy Savers and Rural Water Use Efficiency Field Day for Flowers, Horticulture and Nursery

22nd February 2017



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Agenda:

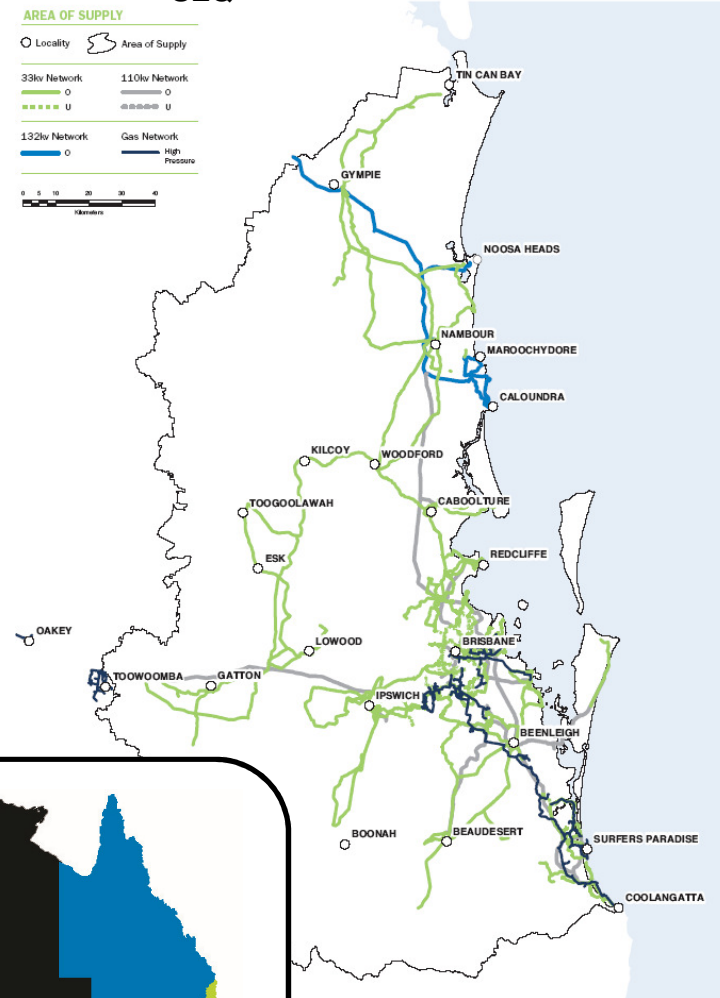
- Energy Queensland and industry update
- How network demand affects the Energex network
- How you can save **\$\$\$**
demand reduction program

ENERGEX

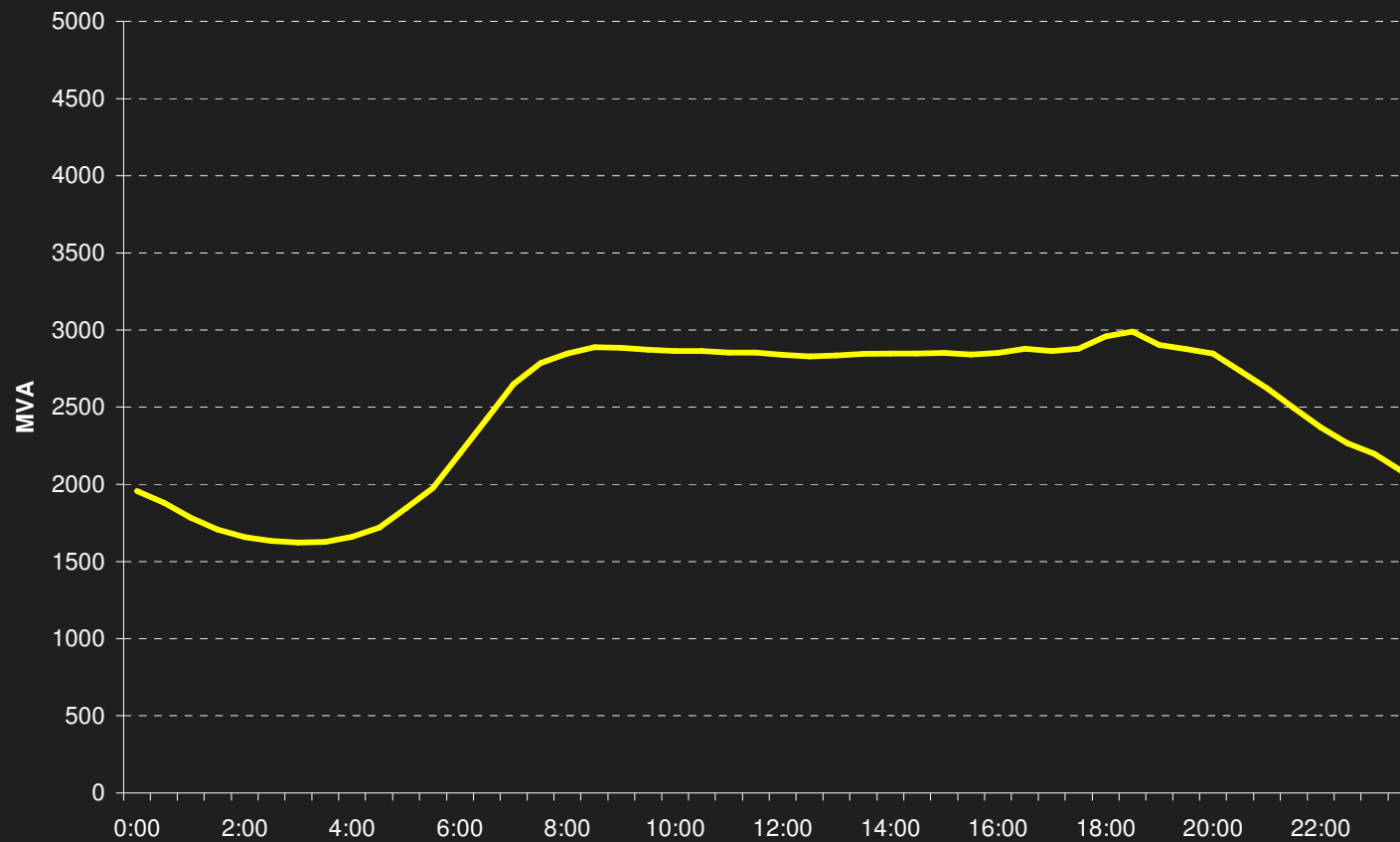
- Electricity distributor South East Queensland
- **\$10.B+ assets**
- 1.4M customers
- 36,000 km overhead lines
- 13,000 km underground cables
- 600,000+ poles
- 249 substations
- 43,000 transformers
- 3,300+ staff



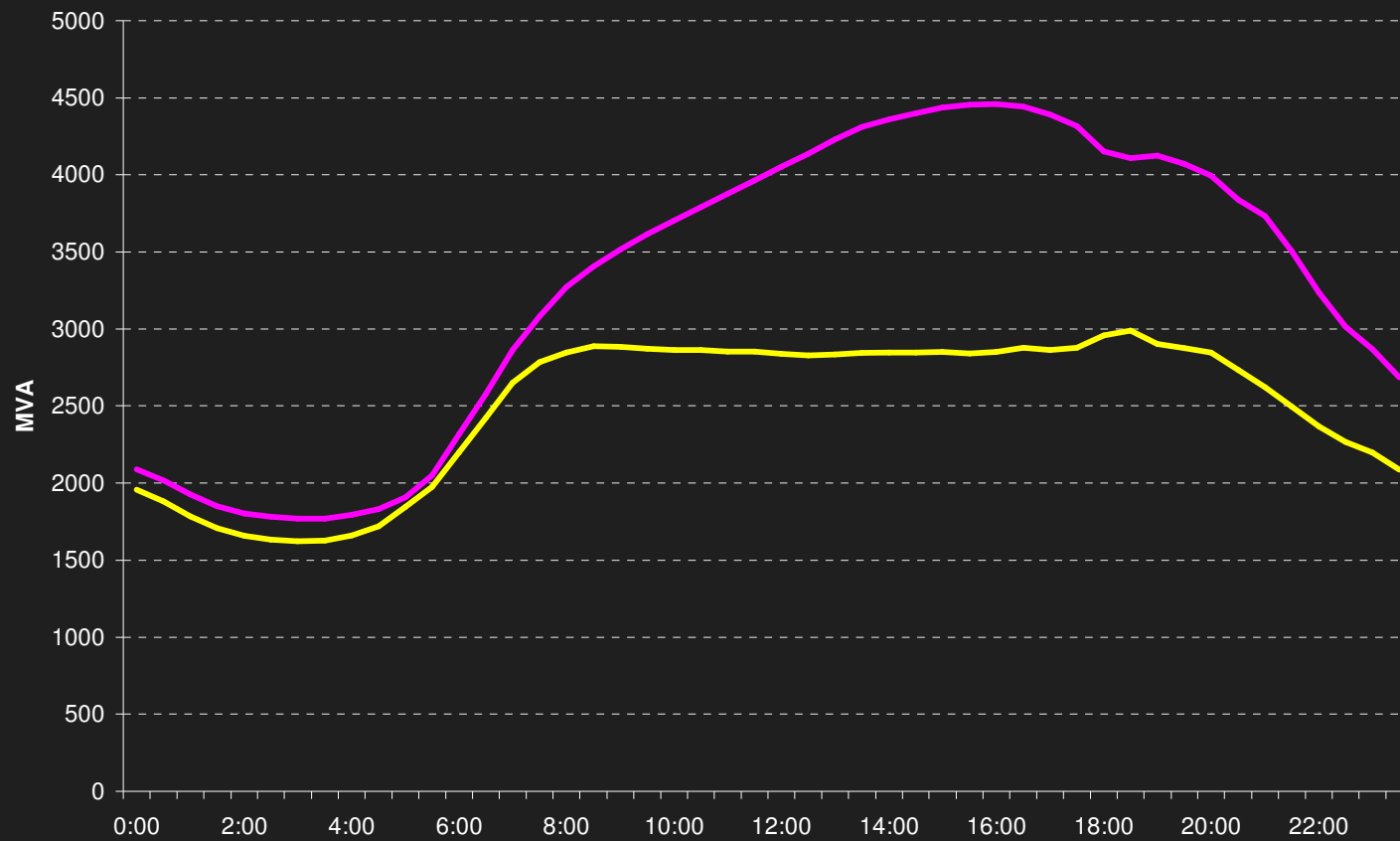
Customer Demand Growth in SEQ



A normal day on the network for business customers



A network peak demand day



The Business Demand Management Program

Our goal - to **defer or eliminate** the need to build additional network infrastructure in constraint areas.

We're doing this by working with customers, suppliers and energy consultants to find energy solutions that help conserve and manage energy use during peak times



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Opportunities for Demand Reduction – Current Targeted Areas

Bli Bli, Buderim, Diddillibah, Forest Glen, Kiels Mountain, Kuluin, Kunda Park, Marcoola, Maroochydore, Mons, Mudjimba, Pacific Paradise, Rosemount, Tanawha, Twin Waters, Woombye.

Cooroibah, Doonan, Eumundi, Noosaville, North Shore, Peregian Beach, Ringtail Creek, Tewantin, Tinbeerwah, Verrierdale, Weyba Downs, Yandina Creek

- \$185/kW
- \$41/kVAR



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The Business Demand Management Program - Solutions

- Lighting
- HVAC (Heating, Ventilation, Air-Conditioning)
- Refrigeration
- Motors
- Hot Water
- Power Factor Correction (kVA tariff)



PeakSmart air-conditioning

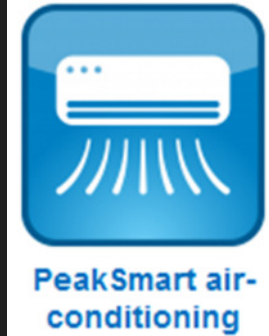
PeakSmart Air-Conditioning

“Operates similar to the economy setting of an existing air conditioner. The energy consumption is capped for short periods on only a few days of the year and the system continues to produce cold air”.



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Signal Activation



- Energex only activates the signal receiver on occasions when the electricity network reaches peak demand.
- Typically only for a few hours, and only on a few days each year.
- Receivers are connected to one of five channels
 - all or some of the devices can be activated depending on demand on a localised network constraint.

PeakSmart Air Conditioner



PeakSmart air-
conditioning

Cooling capacity	Reward available
Less than 4kW	\$150
4kW but less than 10kW	\$250
10kW or more	\$500

Up to 5 air conditioning rewards available per premises



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