

Time of use tariffs

The briefest of introductions

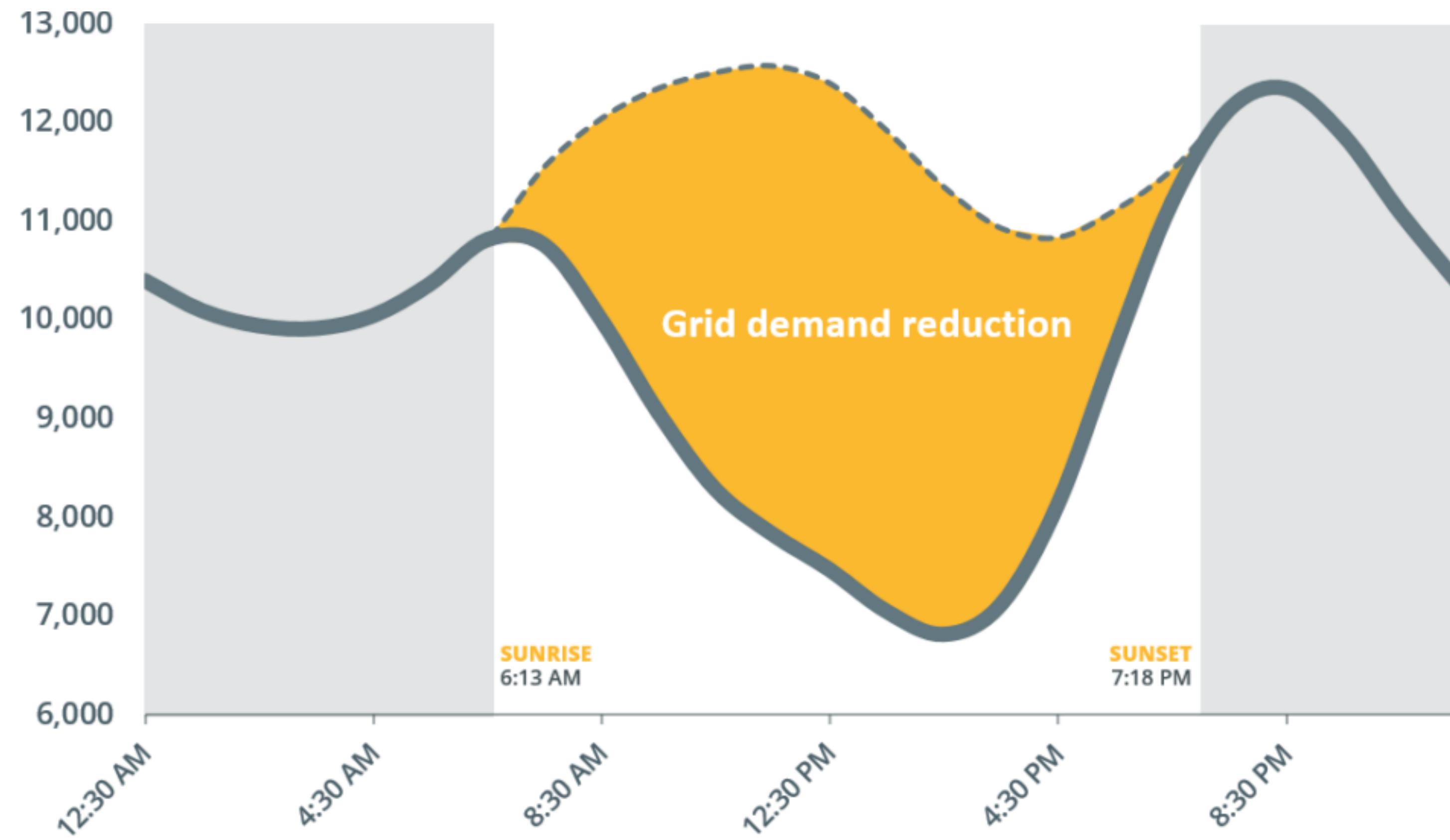
Simon Brown, GGW, Nov 5th

Why ?

- National Grid shifts to renewables [50% in first half of 2025 ?]
- Renewables depend on wind + sun - therefore variable
- Baseline generation from nuclear + gas ?
- Remember Economy 7 ? - More £ in day, Less £ at night

The ‘Duck Curve’

- Highest solar power in middle of the day
- Highest power demand around sunrise and after sunset



Smoothing it out...

- Cheapest power at night - Economy 7 ? Deja Vu
- Difference = smart meters + batteries + EVs



e.g. . . .

WARNING:

- Hard to find !
- Bewildering
- Depend on equipment
eg - EV/Solar/Battery

Supplier	Tariff name	Open to new customers	Off-peak unit rate (per kWh)	Number of off-peak hours
Ovo	Charge Anytime	No	7p/kWh	24/7, but cheap rate only applies to car charging
E.on Next	<u>Next Drive v8</u>	Yes	6.7p/kWh	12am to 7am (7 days a week)
EDF	GoElectric Sep26	Yes	8.99p/kWh	12am to 5am (7 days a week)
Ecotricity (green energy)	<u>One-year Fixed EV tariff</u>	Yes	8p/kWh	12am to 5am (7 days a week)
British Gas	Electric Driver v16	Yes	7.9p/kWh	12am to 5am (7 days a week)
Scottish Power	EV Optimise	No	10p/kWh	24/7, but cheap rate only applies to car charging
Octopus Energy	Intelligent Octopus Go	No	7p/kWh	11.30pm to 5.30am (7 days a week)
Octopus Energy	Octopus Go	No	8.5p/kWh	12.30am to 5.30am (7 days a week)
Scottish	Scottish Power EV Saver	No	7.2p/kWh	12am to 5am (7 days a week)
EDF	EVolve Tracker May26	Yes	14.86p/kWh	12am to 5am (7 days a week)
Utility Warehouse	Variable rate EV tariff	Yes	7p/kWh to 8.5p/kWh	12am to 5am (7 days a week)
Good Energy	EV Charge	No	6.6p/kWh	12am to 5am (7 days a week)

Time of use tariffs

That's it !

SUMMARY:

- Son of Economy 7 !
- Requires smart meter
- Depend on equipment eg - EV/Solar/Battery
- Long-term predictability ?