

# embedded energy networks

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# what is an embedded network?

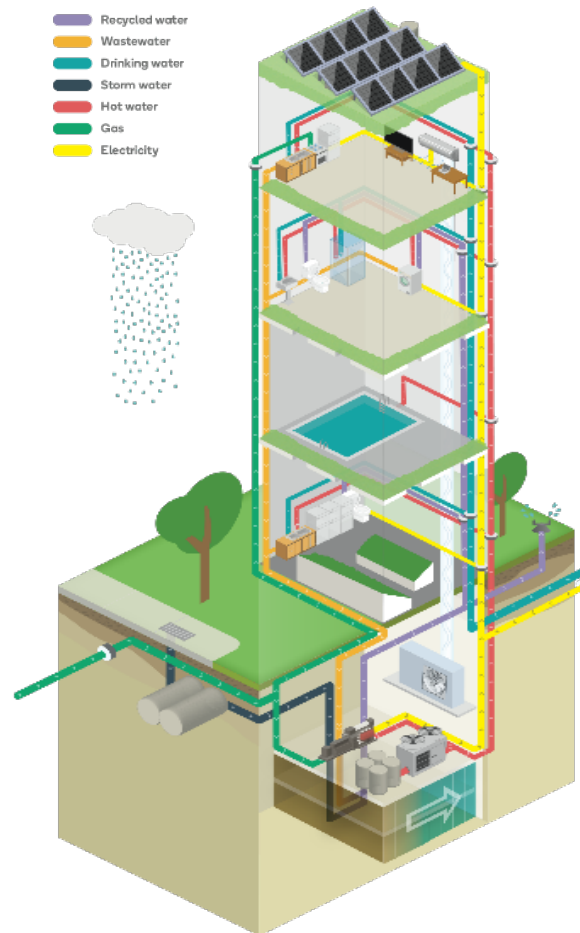
An embedded network is a privately owned electricity or gas network.

The embedded network owner operates the private network that customers connect to.

That party is known as an embedded network service provider (ENSP), who often is responsible for selling the energy to customers too.

The ENSP is responsible for the 'gate meter' at the boundary of the apartment building, between the apartment block and the distributor's network (or grid), purchasing energy at a bulk rate from an on-market retailer.

Doing this allows the ENSP to buy electricity in bulk on behalf of residents, which is reflected in their discounted bills.



## Household smart meters

State-of-the art 'Power of Choice' compliant smart meters allows us to bill individual consumers accurately and in a timely manner. Smart meters are read remotely meaning meter readers no longer require access.

## Electricity & gas gate meters

Electricity is purchased in bulk, allowing discounted rates to be passed to each apartment.

## Generation

We harvest renewable energy from the sun and use it to keep your energy costs low by reducing coal reliant, grid-bought energy.

## Hot water & embedded gas

Where possible, Altogether can also fund an upgrade of your current system and maintenance.

By increasing the system's efficiency, less energy is required which ultimately reduces customer charges.

# regulator frameworks

- All properties where energy reticulation is within a Strata Scheme is an embedded network
- If energy delivery points are serviced by an authorised distributor, the embedded network is likely “deemed” to be exempt from registration requirements.
- If energy delivery points are serviced by an embedded network operator or body corporate, the embedded network needs to be explicitly exempt from being approved. This, in itself, requires a form of approval.

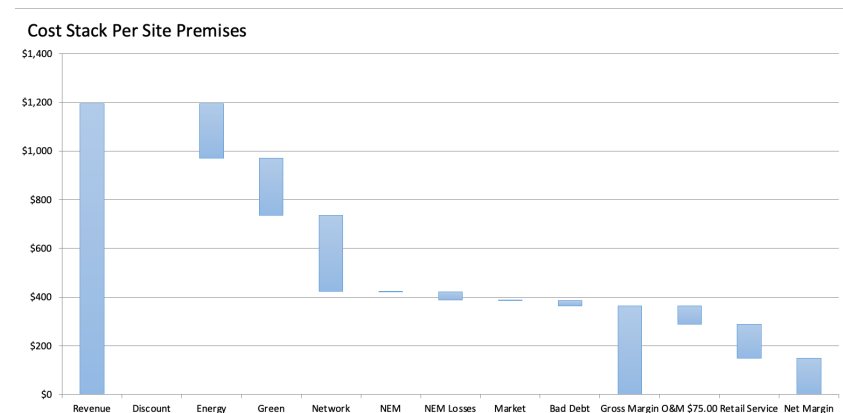


# embedded network pricing

Range of considerations that apply when working out customer pricing

- External network costs, charged at the parent gate meter.
- No greater than what the customer would pay if they were connected to the grid.
- Shadow price may be higher than actual network price to the ENO
- Off-sets distributions losses.
- If a network cost can be directly attributed to a customer, then it can be charged to the customer.
- Internal network costs – permissible to charge for network installation, maintenance and upgrades only through residential or commercial lease, tenancy agreement or other agreements depending on jurisdictional legislation (e.g. BCCMA permits cost of upgrade to be passed to owners)
- Not permissible to charge small customers for internal network charges.
- Metering costs are allowed to be charged when changes or upgrades are requested by the customer.

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# on-seller obligations

- Sale price
- Billing and payment support
- Hardship
- Network maintenance
- Procurement
- Life Support



# on-seller obligations

Responsibility	Billing Agent		Retail Offer	
	Owners Corporation	Agent	Owners Corporation	Altogether
Owns Embedded Network	✓		✓	
Gate Meter Retailer Costs	✓			✓
Regulated Fines	✓			✓
Ombudsman Costs	✓			✓
Billing Operations		✓		✓
Life Support Liability	✓			✓
Hardship Liability	✓			✓
Payment Handling		✓		✓
Collections		✓		✓
Debt Control		✓		✓
Debt Risk (unpaid bills)	✓			✓

**Operating Embedded Networks is increasing complex. Altogether have the power of compliance, legal and energy experts to manage regulation change.**

The purpose of this course was to enlighten and guide you to making informed decisions about the embedded networks you own, operate or control.

Our Academy mission is to empower our clients, friends and colleagues through education, releasing their fear of the energy market and allowing them to take control of their energy future.

By sharing the responsibility of operating your embedded network with Altogether, you know you're in a reliable company.

**power, only  
smarter**

**thank you**  
**questions?**



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