

# YARRA ENERGY FOUNDATION



**Community Batteries: *Getting Ahead of the Curve***

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# What is a community battery?

- **A large battery unit connected to the local power lines**
- **Stores 100% renewable energy from local solar rooftops**
- **Supplies battery subscribers in the evenings**
- **Offers support services to the network**
- **Trades on the electricity market**



# Examples



**Meadow Springs, WA  
(Western Power)**



**Beacon Hill, NSW  
(Ausgrid)**

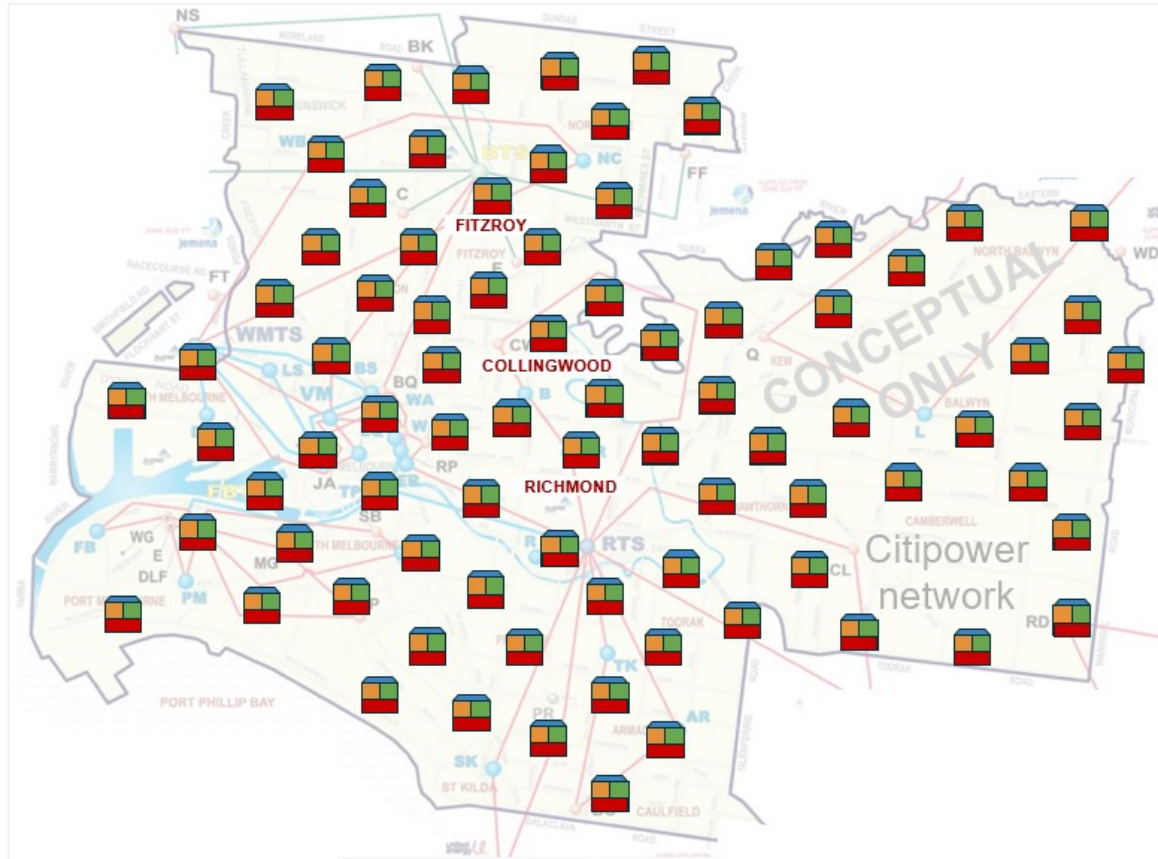


**Highbett, VIC  
(United Energy)**

# Ownership Options

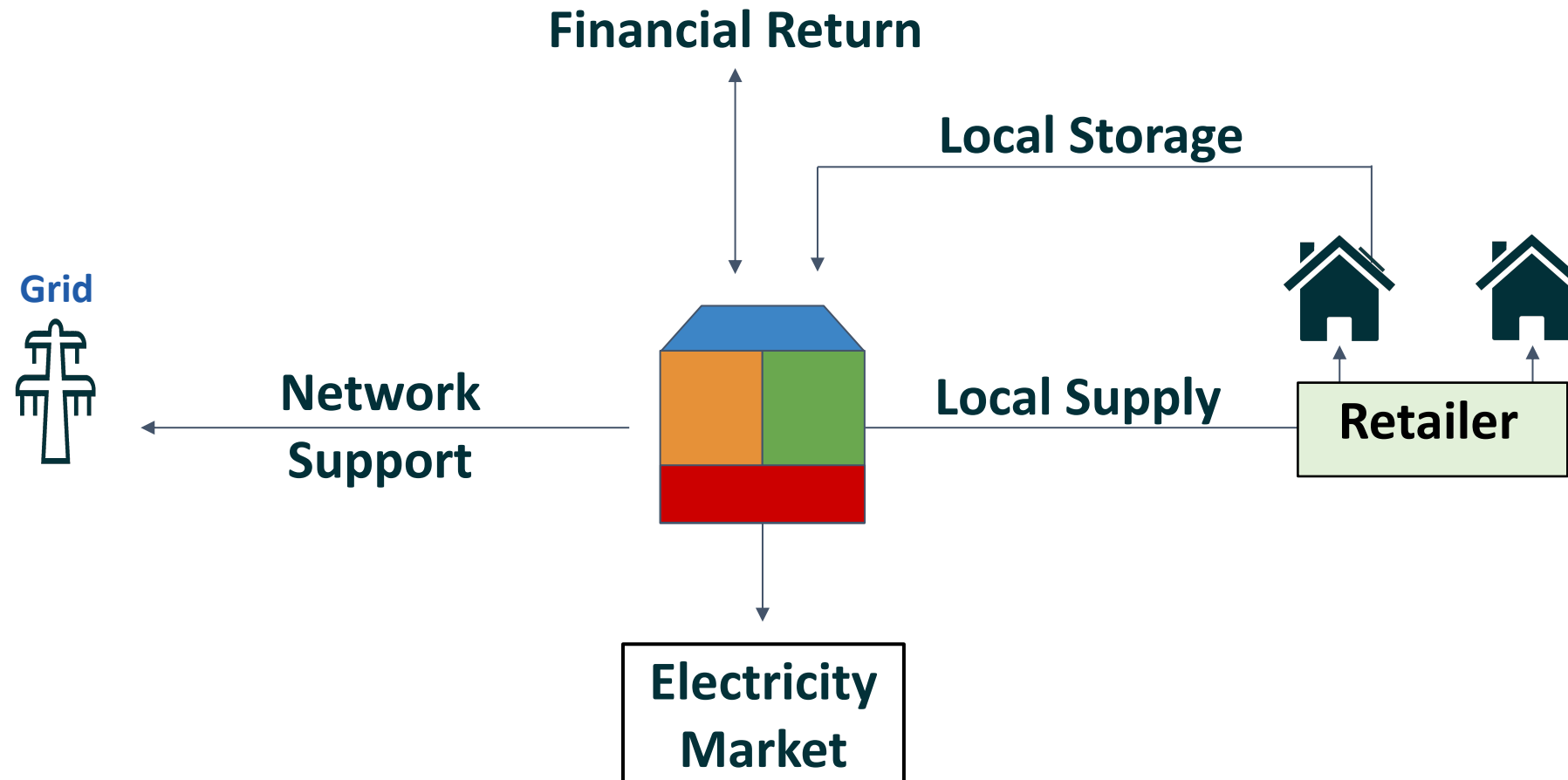
- 1. Community group**
- 2. Community retailer**
- 3. Standard retailer**
- 4. Electricity distributor**
- 5. Independent third party**

# Yarra Energy Storage Systems

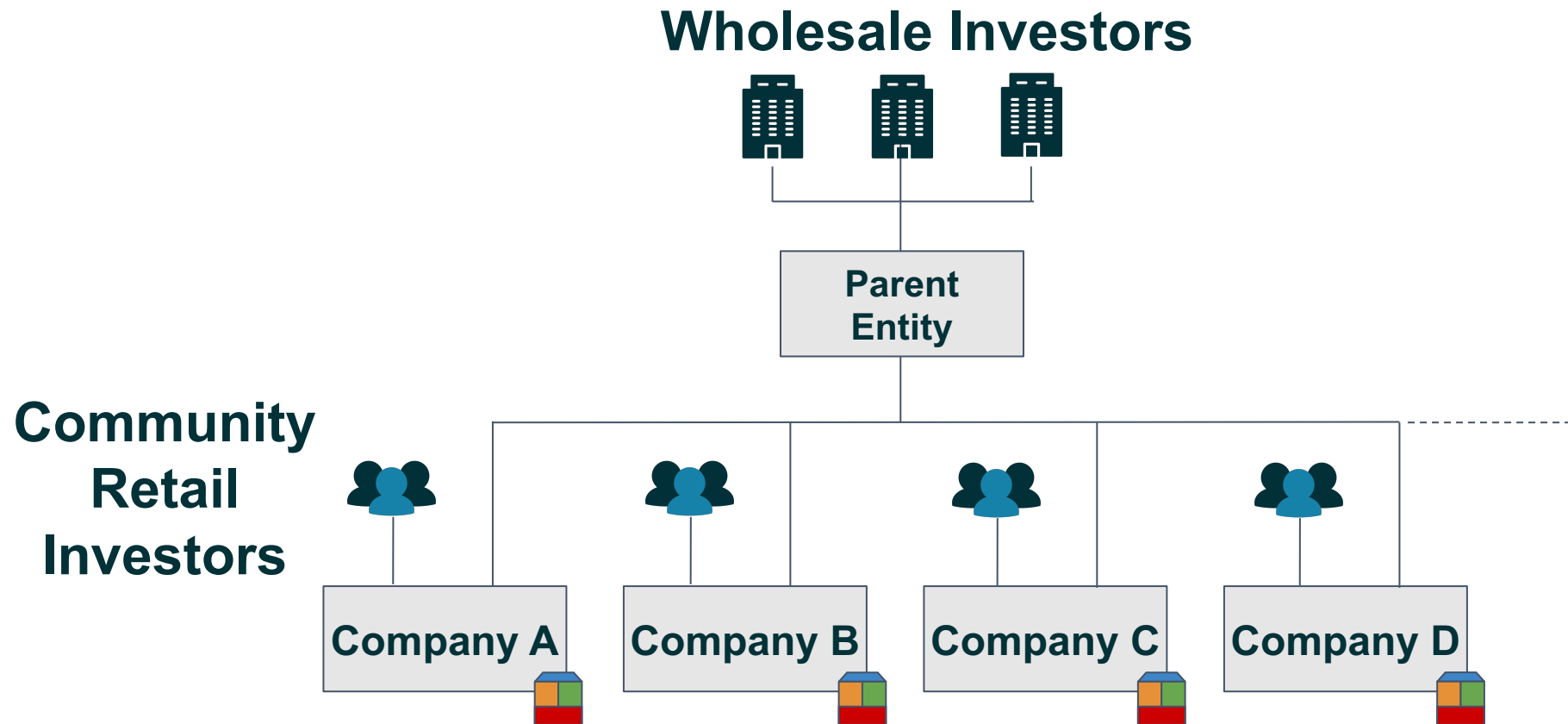


- A network of community batteries
- Citipower network-wide deployment
- Third party ownership
  - Wholesale and retail investors
- Storage & supply for subscribers
- Citipower network support
- Electricity market trading

# YESS Commercial Model

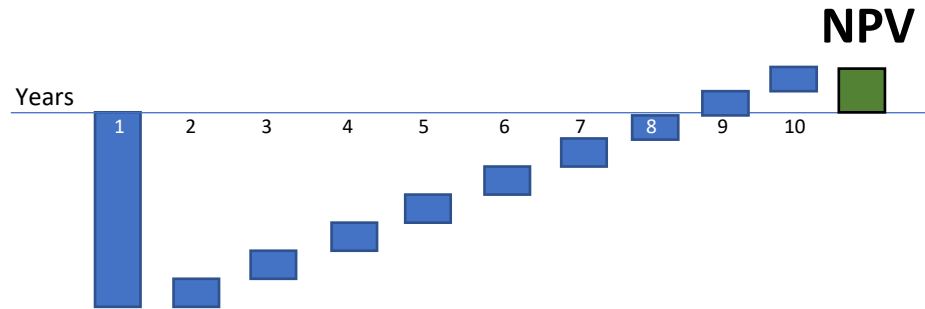


# YESS Ownership Model



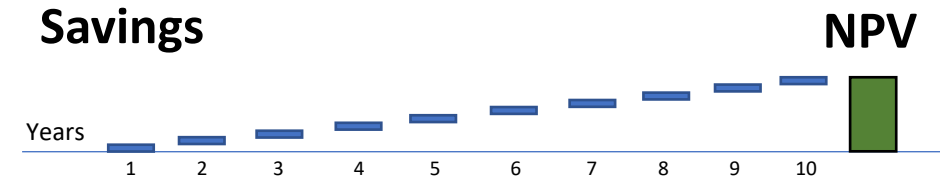
# Home Batteries vs. Community Batteries

## Purchase and savings



**Self-consumption sunny days,  
Peak import tariff cloudy days  
Maintenance & disposal**

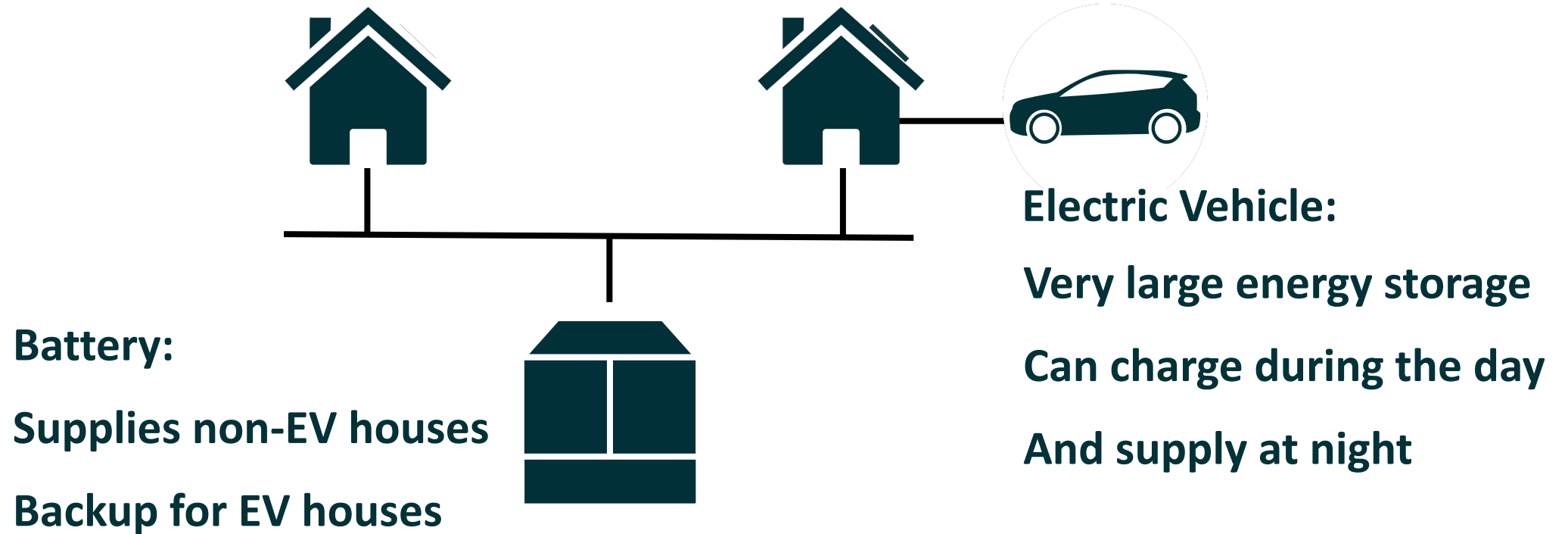
## Savings



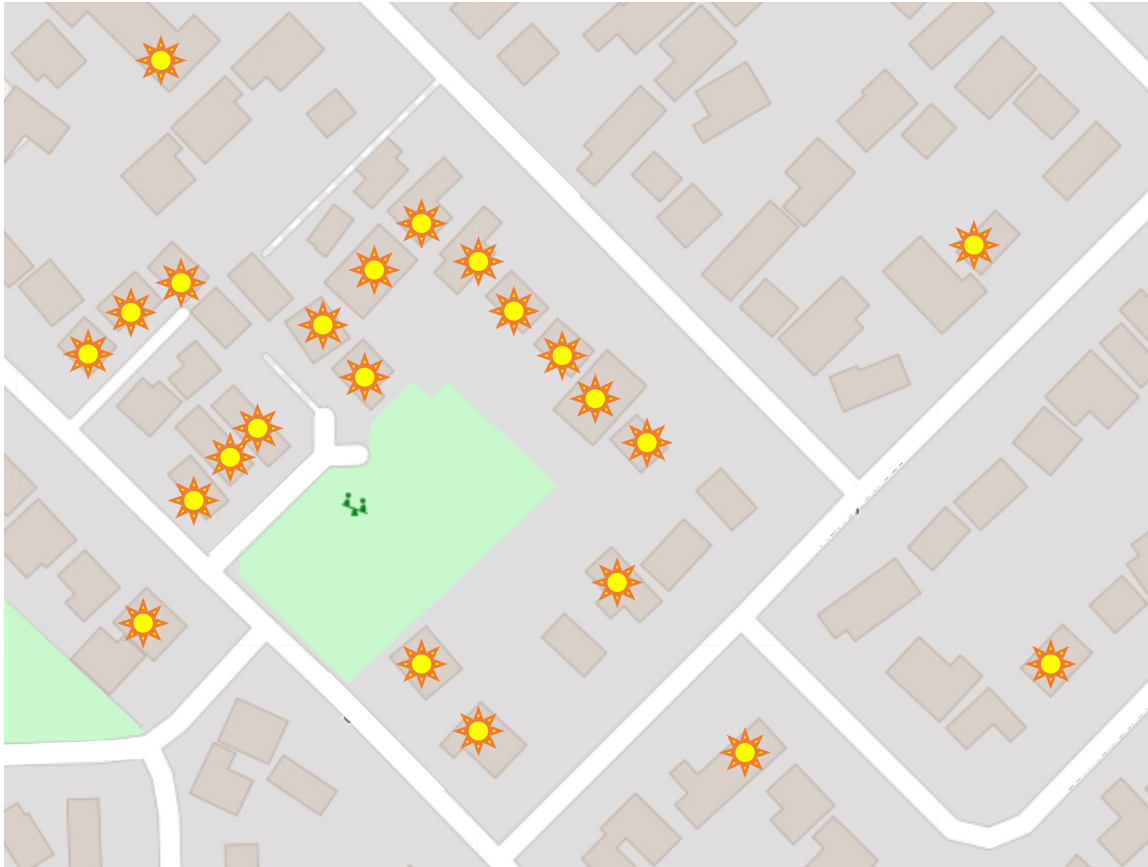
**Same lower tariff, everyday  
No maintenance, no lock-in  
Investment return opportunity  
(YESS)**



# Electric Vehicles and Community Batteries



# Ideal Conditions for a Community Battery



1. **A solar cluster along a power line**
2. **Constrained network in that area**
3. **Nearby park or other communal area**
4. **Keen community interest**
5. **Strong council support on climate action**

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