

Site Selection

Energex Infrastructure



Noosa
Community
Batteries

132 kV



Noosa
Community
Batteries

11 kV
to
Low
Voltage
(LV)



**Padmount
transformer
11kV to LV
underground
+ pillar**



What Council Land may be available

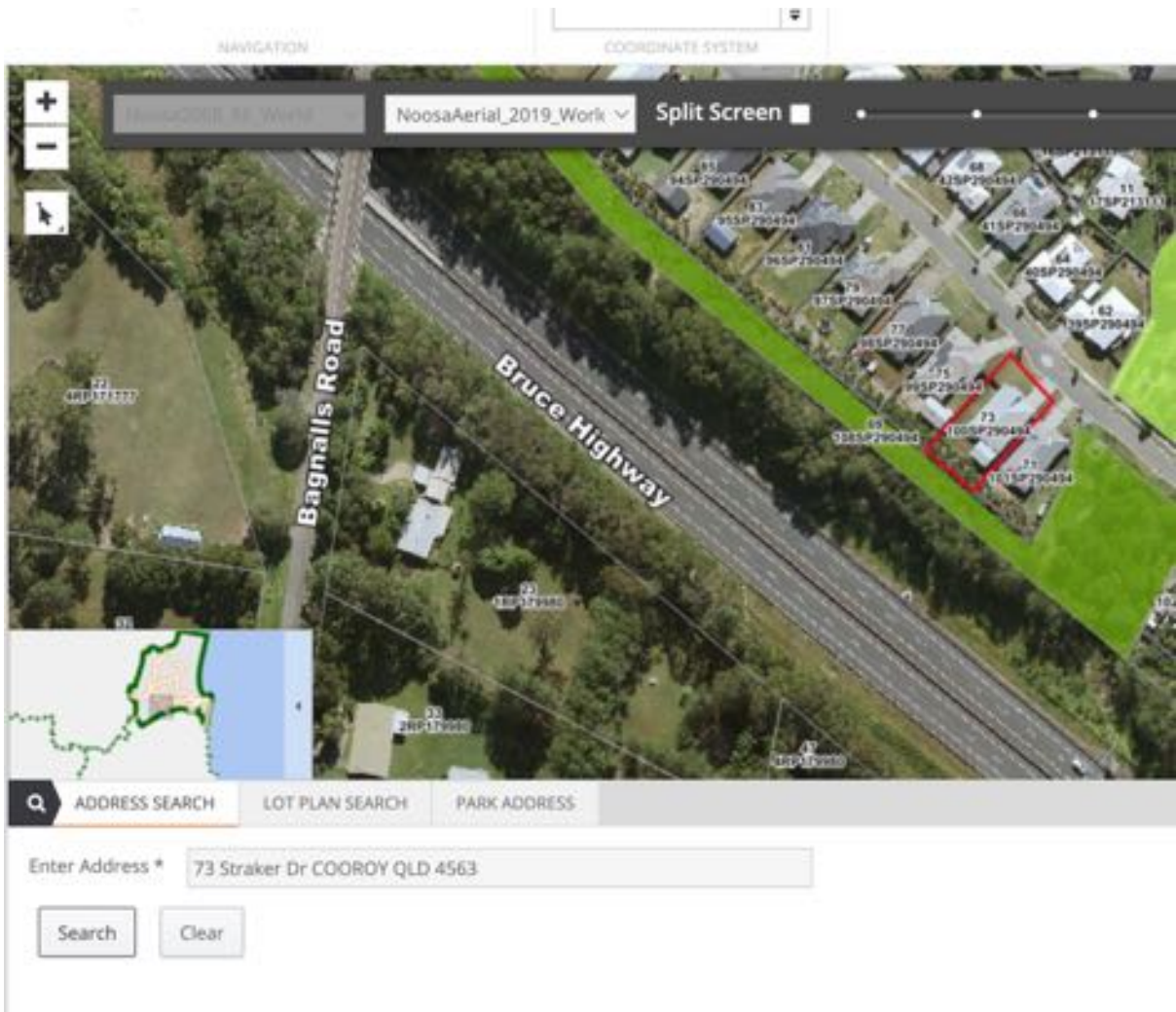
<https://www.noosa.qld.gov.au/community/mapping>

Map menu



Property

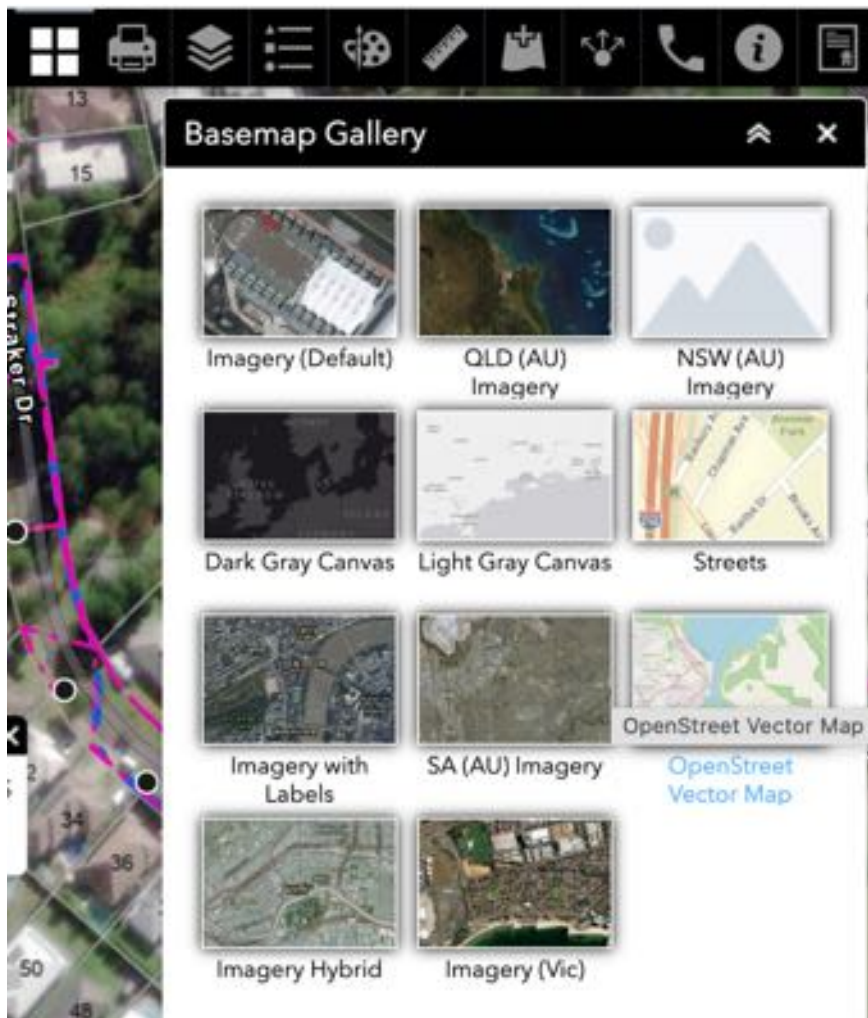
Search and view property information by an address or property number or lot plan or suburb.

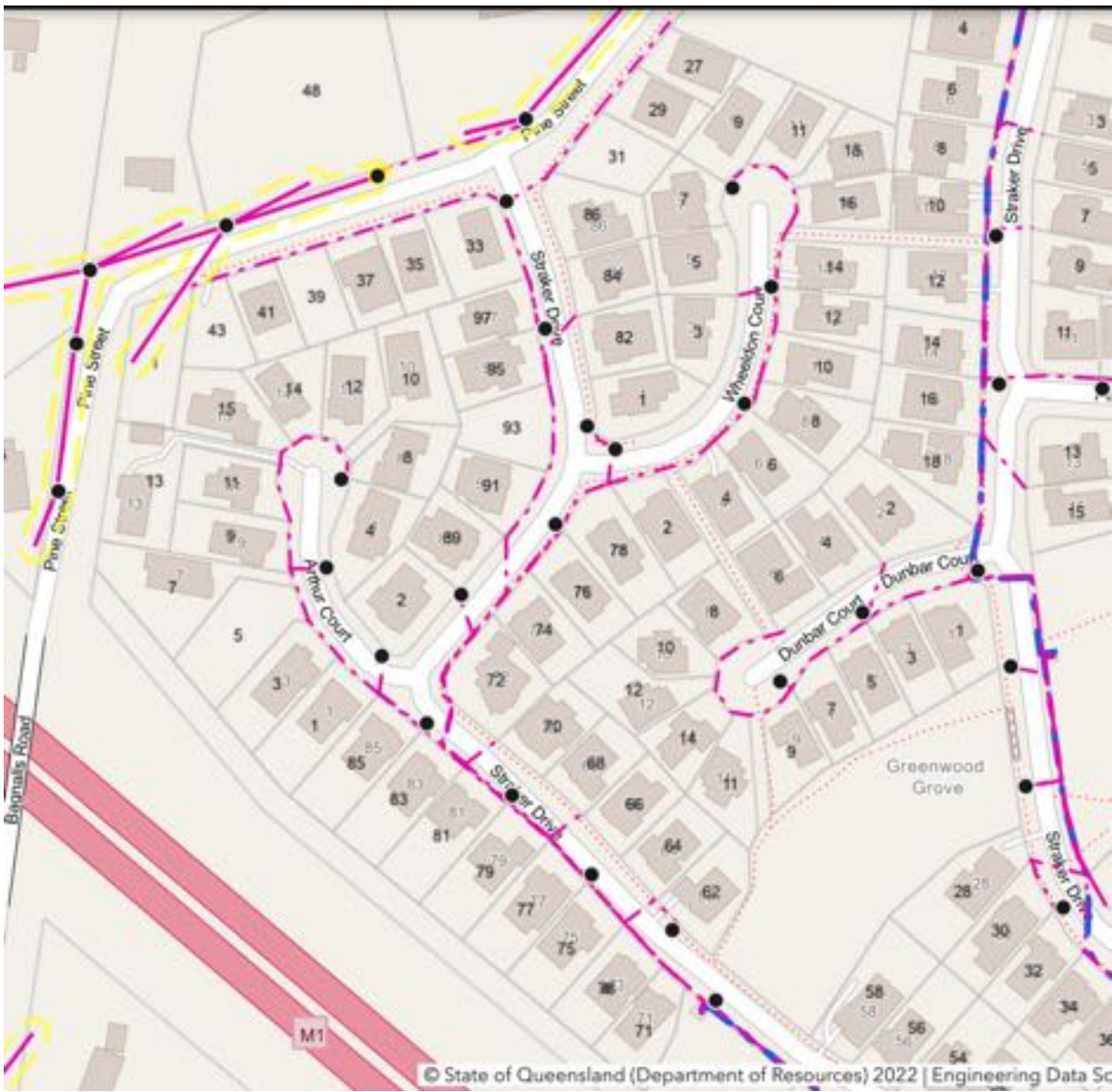


Green is Council Land

Look Up And Live

Find the local Low Voltage network and the Distribution Substation that feeds it





Dotted Pink = Low Voltage (Underground) Cable
Dotted Blue = High Voltage (Underground) Cable



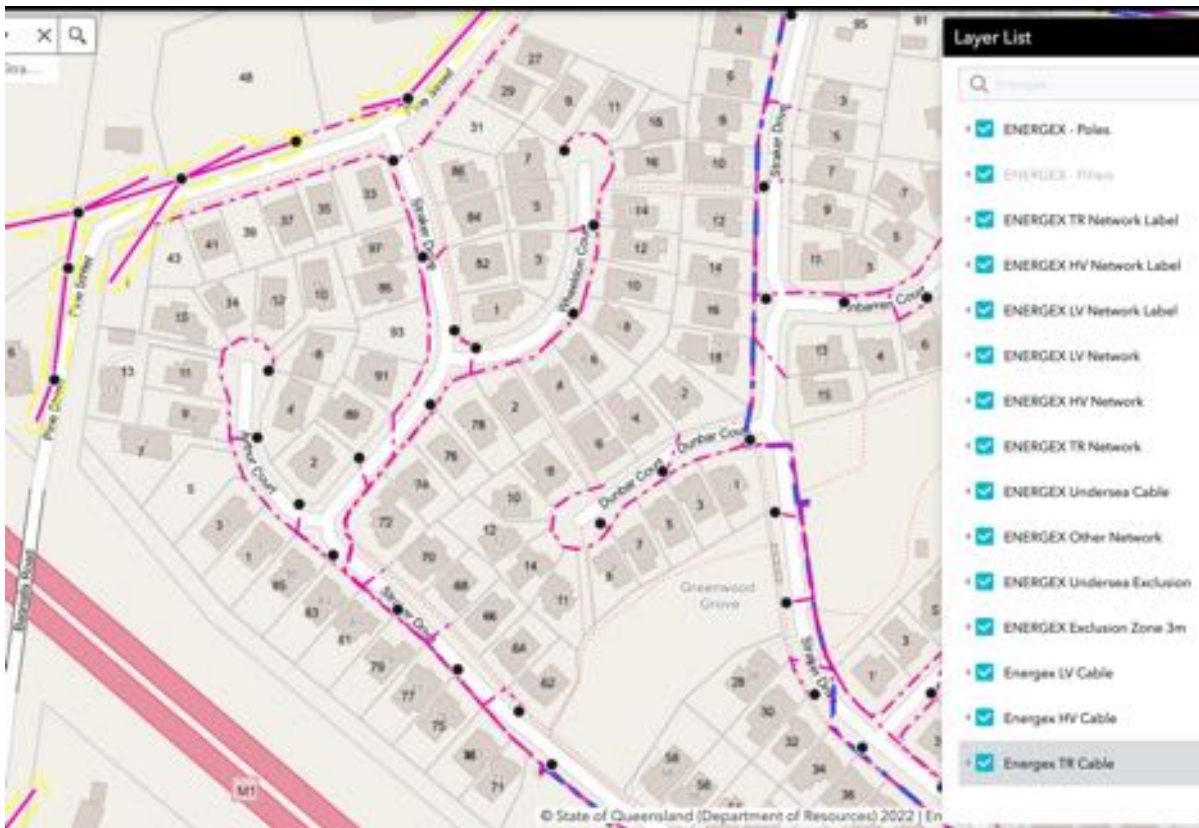
Layer List

🔍 Energex



Cancel

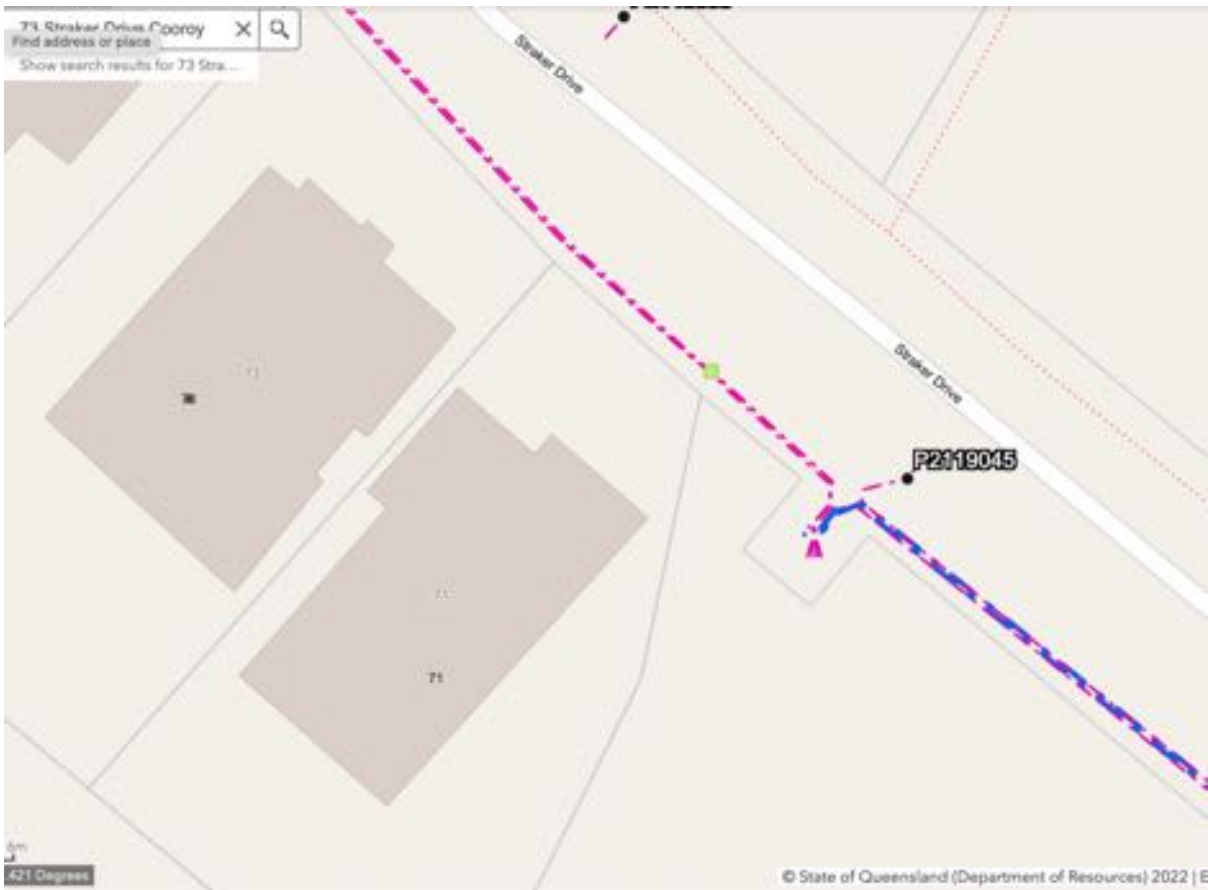
- ENERGEX - Poles ...
- ENERGEX - Pillars ...
- ENERGEX TR Network Label ...
- ENERGEX HV Network Label ...
- ENERGEX LV Network Label ...
- ENERGEX LV Network ...
- ENERGEX HV Network ...
- ENERGEX TR Network ...
- ENERGEX Undersea Cable ...
- ENERGEX Other Network ...
- ENERGEX Undersea Exclusion ...
- ENERGEX Exclusion Zone 3m ...
- Energex LV Cable ...
- Energex HV Cable ...
- Energex TR Cable ...



Turn off LV Cable - so can see where HV cable finishes



Distribution Transformer likely to be at end of HV Cable (dotted blue)



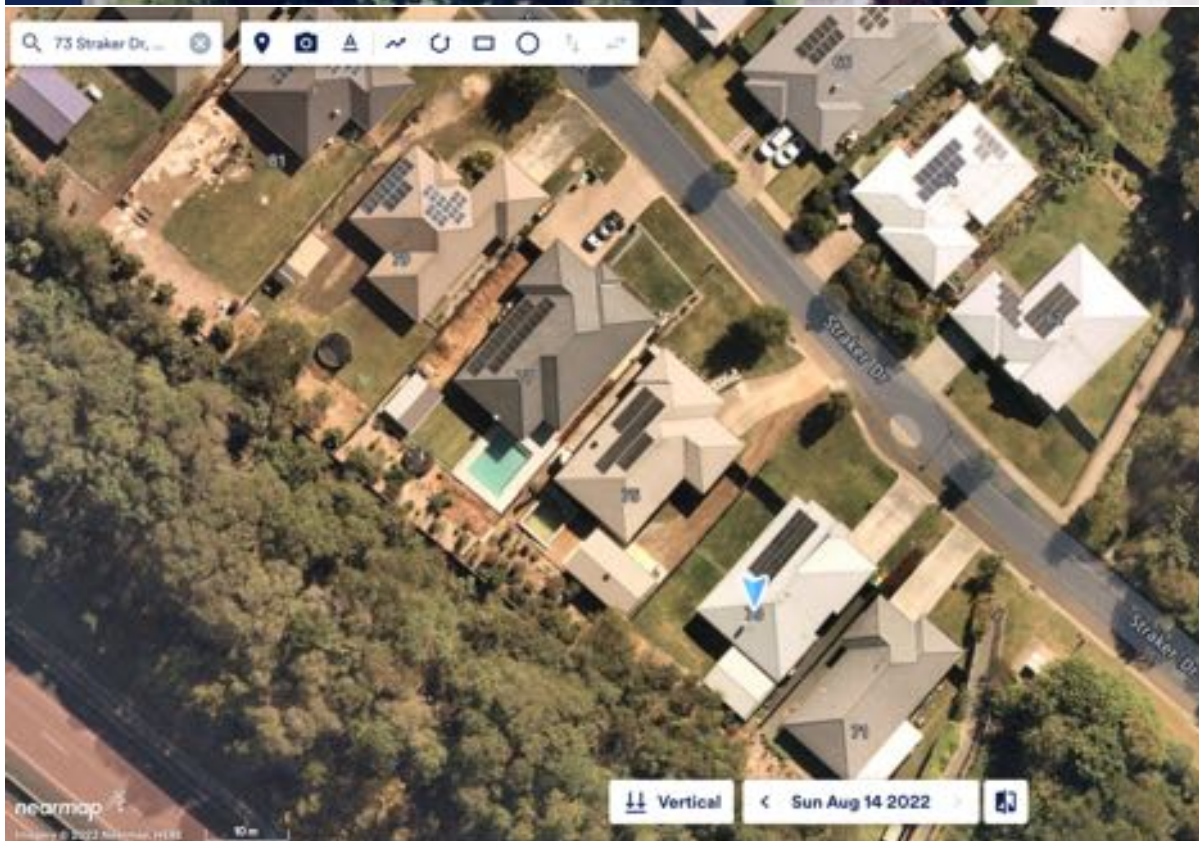
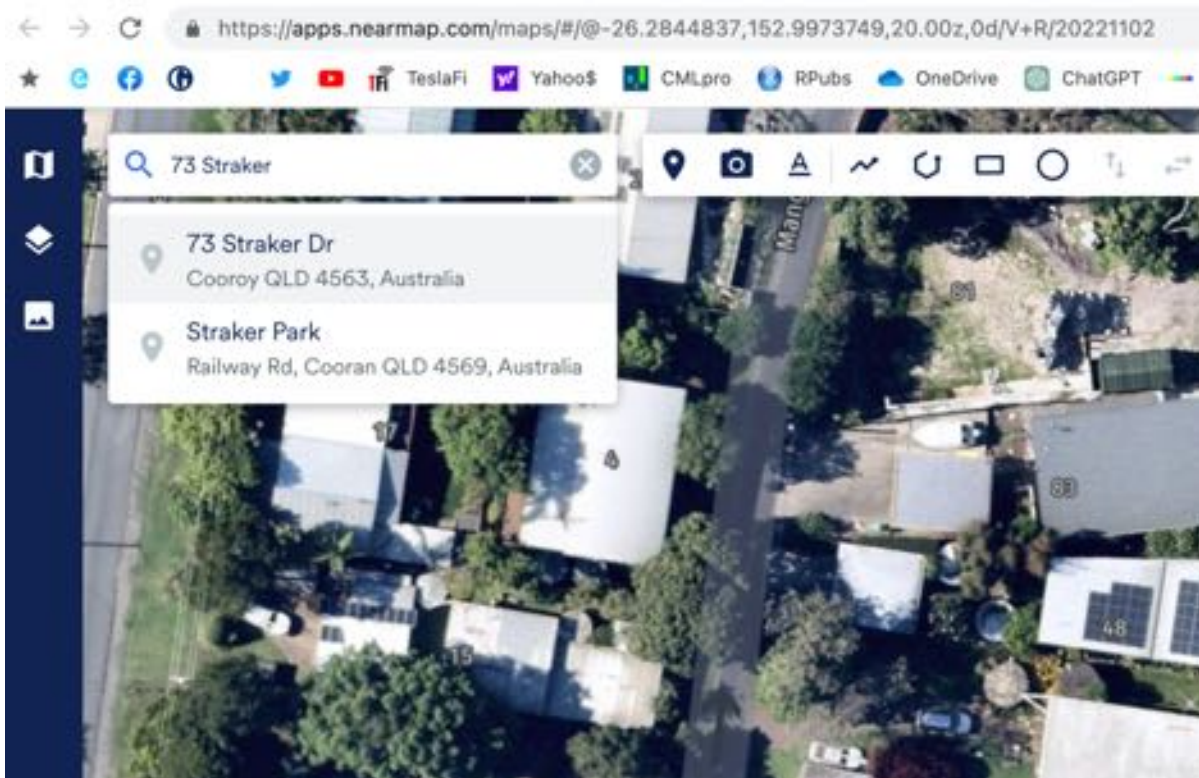
Turn LV Cable layer back on, and zoom in
Looks like a Distribution Substation is located there
So check with Google Street View

Google Street View



Found a Padmount Transformer

Now use Nearmap to see how much solar in the local network



Latest data is 7 months old.....

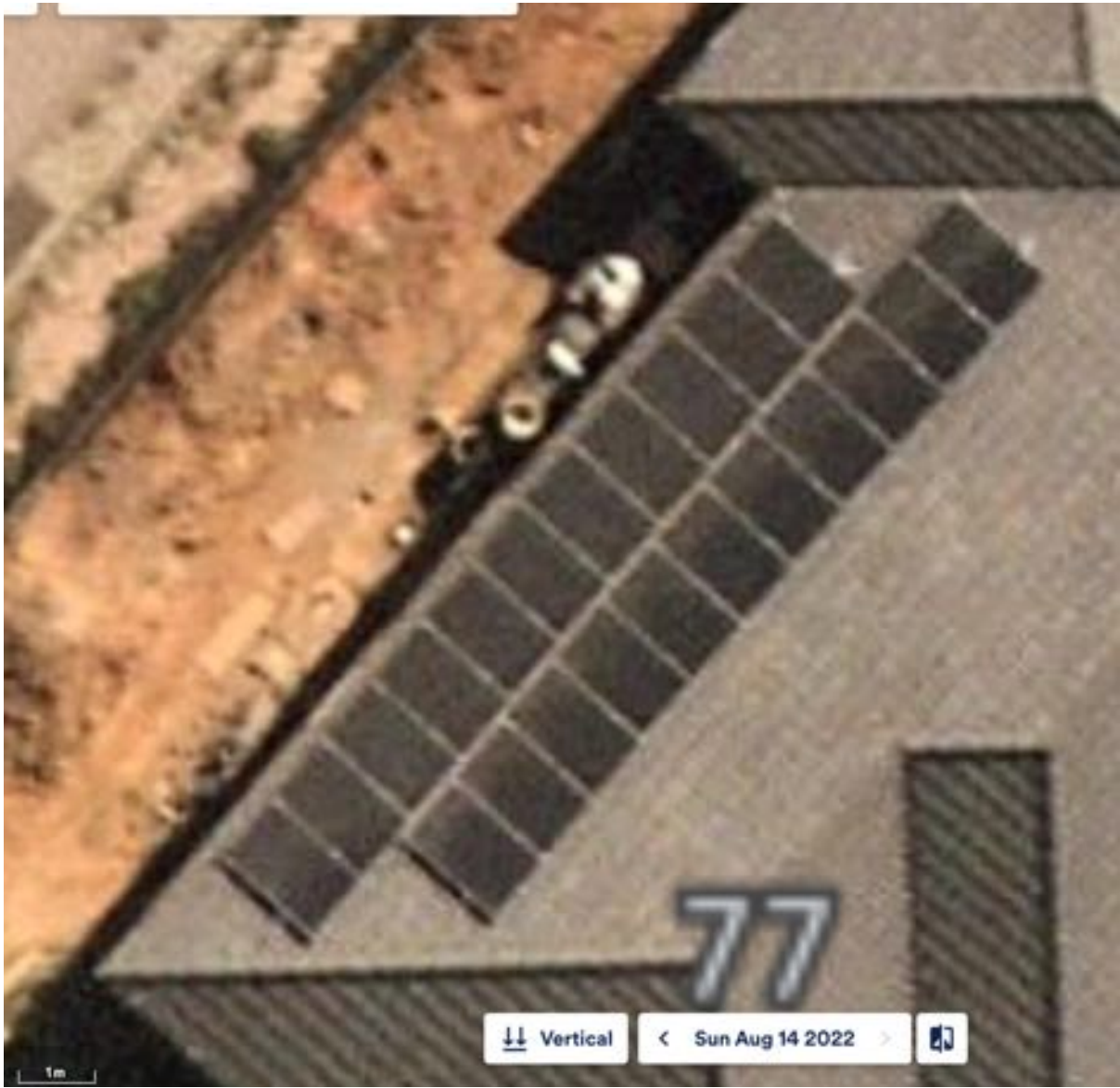


Zoom out for overview

Next to #71 where Padmount Transformer is located is vegetated, so maybe not a great spot, but confirm with site visit

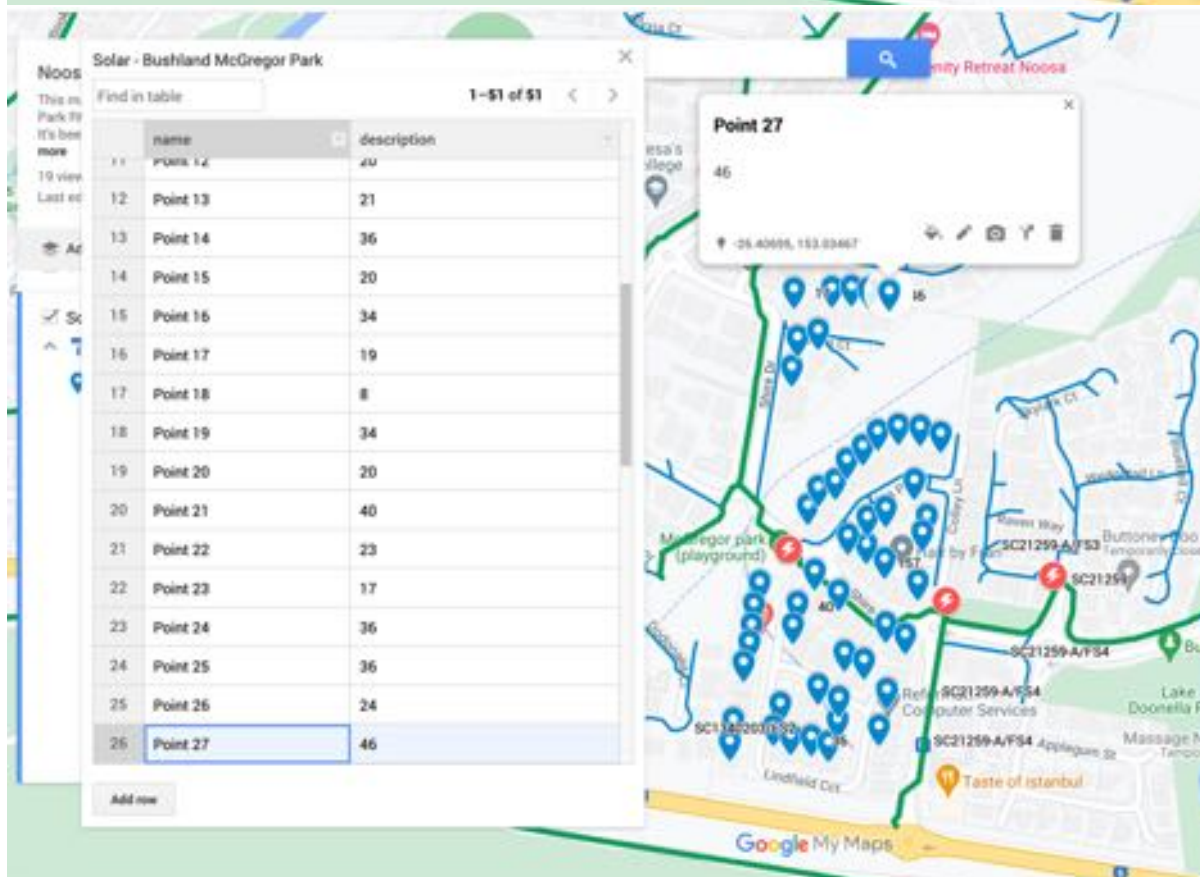
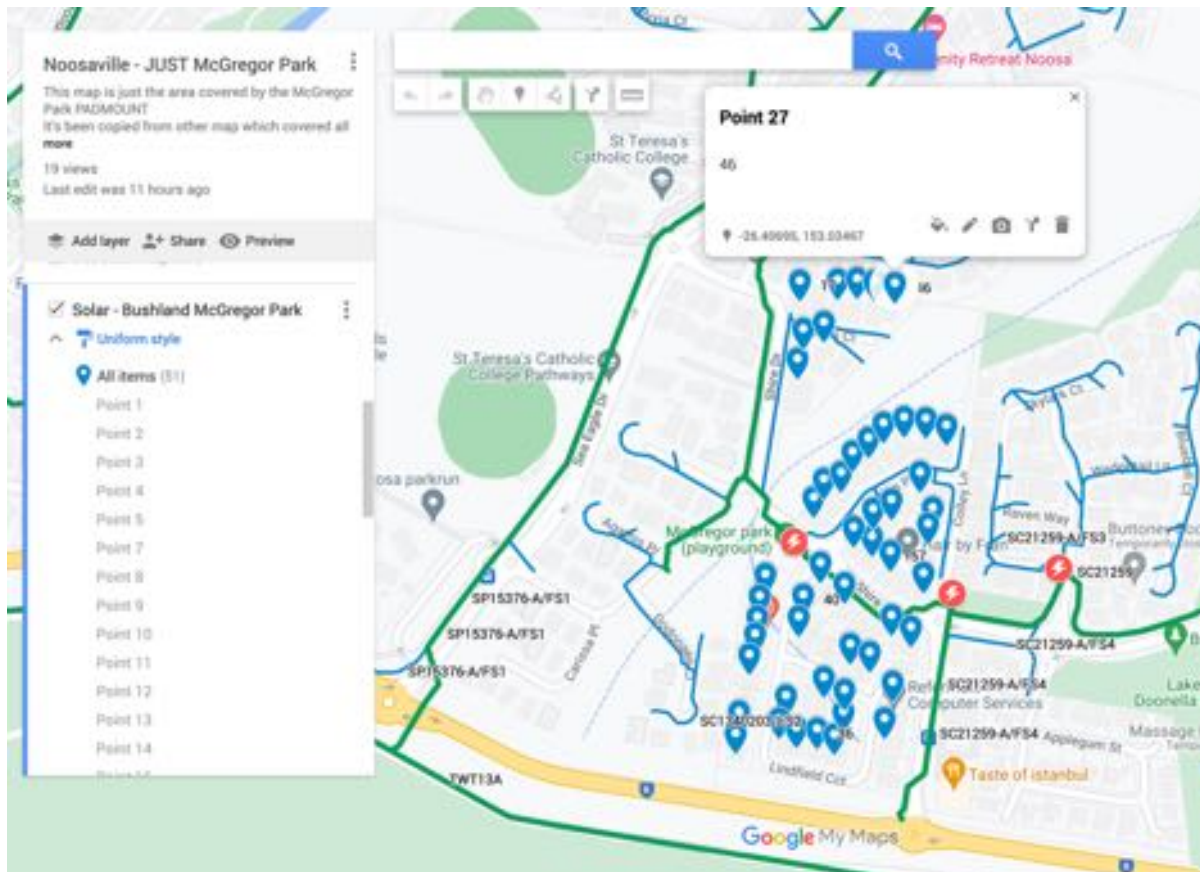


Zoom in with Nearmap - can count panels on each house



At maximum zoom in, solar panels are easy to count

We used Google MyMaps to record counting of solar panels



Panels counts get recorded in a table that can be exported
Then assume a conservative 250W per panel to get approximate kW of solar

Evaluation Criteria

Refer to Site Selection Report