

## Benefits to Consider

Land is turned to a different use that can assist Council

Way to reduce energy costs by creating your own power

A different way to achieve greenhouse gas emissions reduction

Solar system designed for more than 20 years which is often the length of time the land needs to settle and rest

Generated power either used as offset for other Council power costs or available for power sales

Suitable for Power Purchase Agreement (PPA) opportunities removing the need to find capital to construct the power plant

Suitable for Rental Agreements if this works better for Council finance considerations if not using a PPA

Can be constructed to account for land movement without breaking the required cap

## LANDFILL SITES – MAINTENANCE NIGHTMARE OR INCOME OPPORTUNITY?



What do you do with a closed landfill, where the land needs to settle and rest, under a cap that can't be broken, perhaps capture methane if large enough, and the land is out of most usage capability for many years?

You could just maintain it at a cost to Council ongoing for years, or Council could consider using the land to generate their own power for their own use by building a specifically designed ground mounted solar system on it, turning the land into useful land for the next 20+ years. **This could be an income opportunity!!**

### Things to Check:

1. Is there an 11kV power connection close by or can that be supplied?
2. Is the landfill capped with the final capping?
3. Is there suitable vehicle access available?
4. Is there a willingness to consider this alternative use?

To learn what is possible contact:  
Geoff Hill  
Essential Water and Energy Services  
geoff@essential-wes.com.au