



| NAME REDACTED  | OBJECT  | Submission No: 196935 |
|--|---|-----------------------|
| Organisation:  | Key issues: Land use, Energy transition, Biodiversity |                       |
| Location: New South Wales 2074   |   |                       |
| Submitter Type: an individual making a submission on my own behalf                             |   |                       |
| Attachment: 240906 - Caveat Emptor - Wind and Solar Infrastructure - Decommissioning Costs.pdf |   |                       |

Submission date: 9/6/2024 4:26:01 PM

â€¢ When wind and solar projects are hosted on private land, it is common practice that the project applicant is an entity which enters into a lease agreement with the host landowner. The project applicant is the Lessee, and the host/landowner is the Lessor. It is also common practice that the project applicant (Lessee), is a company whose beneficial owner is another entity (commonly a holding company). There is no contractual connection between the beneficial owner of the Lessee and the Lessor. A common modus operandi is that the income earned by the Lessee during the operational life of the project is paid as dividends to the beneficial owner (the holding company or the like). Then at the end of operational life of the project, the Lessee has no assets or funds to decommission, demolish, dispose of demolished infrastructure and rehabilitate the leased land. What protections does the Queensland Government for the host/landowner if the Lessee entity is put into administration?

â€¢ Without any incentive for the proponents of wind and solar projects to decommission, demolish, dispose of demolished infrastructure and rehabilitate the project sites, it is my opinion the Australian landscape will be covered in abandoned wind and solar infrastructure.

Decommissioning and rehabilitation bonds must be provided by proponents to ensure the project infrastructure is removed at the end of life of the project.

Potential and Current Host Landowners - Caveat Emptor

06-Sep-24

Estimated Decommissioning Costs

File Identification: 240906 - Decommissioning - Cost Schedule.xls

|                 | Source of Decommissioning and Rehabilitation Estimates | NSW Planning cost per turbine | Weekly Times 9/8/24 - McCullough & Robertson Estimate per turbine | NSW Budget Estimates 21/2/24 cost per turbine |
|-----------------|--|-------------------------------|---|---|
| <b>State</b>    | <b>Projected Number of Wind Turbines</b>               | <b>\$259,493.89</b>           | <b>\$500,000.00</b>   | <b>\$600,000.00</b>                           |
| Queensland      | 2,700  | \$700,633,503                 | \$1,350,000,000   | \$1,620,000,000                               |
| NSW             | 3,744  | \$971,545,124                 | \$1,872,000,000   | \$2,246,400,000                               |
| Victoria        | 5,422  | \$1,406,975,872               | \$2,711,000,000   | \$3,253,200,000                               |
| Tasmania        | 773  | \$200,588,777                 | \$386,500,000   | \$463,800,000                                 |
| South Australia | 1,522  | \$394,949,701                 | \$761,000,000   | \$913,200,000                                 |
|                 | <b>Sub Total</b>                                       | <b>\$3,674,692,976</b>        | <b>\$7,080,500,000</b>  | <b>\$8,496,600,000</b>                        |

|                              | Solar  | NSW Planning cost per MW  | NSW Planning cost per MW | Green Clean Solar - USA. Cost per MW |
|------------------------------|--|---|--------------------------|--------------------------------------|
| <b>State</b>                 | <b>Projected Capacity of Solar Panels (MW)</b>                     | <b>\$234,073.09</b>   | <b>\$234,073.09</b>      | <b>\$565,000.00</b>                  |
| Queensland                   | 24,097   | \$5,640,459,249.73  | \$5,640,459,249.73       | \$13,614,805,000.00                  |
| NSW                          | 19,766   | \$4,626,688,696.94  | \$4,626,688,696.94       | \$11,167,790,000.00                  |
| Victoria                     | 7,850  | \$1,837,473,756.50  | \$1,837,473,756.50       | \$4,435,250,000.00                   |
| Tasmania                     | 598  | \$139,975,707.82  | \$139,975,707.82         | \$337,870,000.00                     |
| South Australia              | 4,136  | \$968,126,300.24  | \$968,126,300.24         | \$2,336,840,000.00                   |
|                              | <b>Sub Total</b>   | <b>\$13,212,723,711</b>   | <b>\$13,212,723,711</b>  | <b>\$31,892,555,000</b>              |
| <b>Australia</b>             | <b>Total</b>   | <b>\$16,887,416,688</b>   | <b>\$20,293,223,711</b>  | <b>\$40,389,155,000</b>              |
| <b>4% Inflation per year</b> | <b>Total at 20 Years</b>   | <b>\$35,579,239,933.77</b>  | <b>\$42,754,761,654</b>  | <b>\$85,093,857,931</b>              |
| <b>Reference</b>             | <b>NEM Generators Schedule</b>                                     | <a href="https://aemo.com.au/energy-systems/electricity/national-electricity-market-nem/nem-forecasting-and-planning/forecasting-and-planning-data/generation-information">https://aemo.com.au/energy-systems/electricity/national-electricity-market-nem/nem-forecasting-and-planning/forecasting-and-planning-data/generation-information</a> |                          |                                      |
| <b>Reference</b>             | <b>USA Green Clean Solar - Solar Panel Decommissioning</b>         | <a href="https://www.greenclean-solar.com/post/end-of-life-solar-pv-panel-decommissioning-recycling">https://www.greenclean-solar.com/post/end-of-life-solar-pv-panel-decommissioning-recycling</a>   |                          |                                      |
| <b>Reference</b>             | <b>NSW Planning - Wind Turbine and Solar Panel Decommissioning</b> | <a href="https://www.planningportal.nsw.gov.au/draftplans/under-consideration/draft-energy-policy-framework">https://www.planningportal.nsw.gov.au/draftplans/under-consideration/draft-energy-policy-framework</a>   |                          |                                      |