

## **What SOS want Renewables Applications to contain**

To enable transparency and proper community and DPIE evaluation of a solar, wind and storage projects, the Proponent/Developer Application (EIS or DA) must provide:

1. That each "Independent Report" included in an application to include a declaration of any financial interests the consulting firm or their owners have in the Proponent/Applicant company or their owners.
2. The comparison with generation alternatives must be against all alternatives of similar capacity (e.g. rooftop solar, CCGT-CC, modern coal-fired plants, modern nuclear plants) on a total life-cycle basis of the longest life alternative. Comparisons to include land space required, total types and tonnes of materials required, and nature of output over each 24 hour period.
3. Details of how and where, if not a standalone electricity generating works, the electricity supply will come from when the solar, wind or storage plants are not supplying sufficient electricity to supply electricity consumers.
4. The life-cycle CO<sub>2</sub> equivalents embedded in their project once installed.
5. The payback period for life-cycle CO<sub>2</sub> equivalents deficit embedded in their project
6. The payback period for life-cycle energy in/out deficit once operational.
7. Evidence for claims that their output is enough supply 'x' households with electricity (actually they can't supply households over just 24 hours without an alternate source), to ensure the public are not mislead.
8. Soil analysis pre, on and post installation to establish a benchmarks for future comparison
9. Annual testing of soil for contamination, reported to the Council and government depts
10. Confirmation that the project site is not within 10km of the closest boundary of a town, national park, dam or reservoir.
11. Minimum setback from all roads with embankments and vegetation as screening, as for coal mines e.g. 200 metres.
12. The Australian content (\$ and %) of their project, separated into labour, transport, materials, taxes and services.
13. The gross value of the project
14. The value any initial and ongoing subsidies, favourable loans or other benefits provided by all levels of government to the project.
15. Details of any Power Purchase Agreements (PPAs), including duration, price received, and contingency if term is not renewed, penalties for non-delivery of supply amounts.
16. Full details of a decommissioning and disposal plan, including safe-removal and disposal of toxic elements and the full rehabilitation of the land within and around the project site, including resources and estimated times and costs to complete the works.
17. Amount of decommissioning/disposal bond to be lodged with an appropriate government body and the conditions for release.
18. Value of any direct contribution to transmission and distribution networks and associated infrastructure necessary for the project to operate.
19. Value of any contribution or fees to access to the electricity network/infrastructure.
20. Total amount of materials required for the project by type (steel, PV panels, copper wire, etc.) and by weight (tonnes)

### **Attachment 3: SOS submission on Renewable Energy Zones - Access Scheme**

21. Type of fire suppression methods to be installed, including type (e.g. water sprinklers, gas,) and the alert methods to fire-fighters (water bombers).
22. Water use plan (source and quantities) for construction and operation, including methods of use.
23. Confirmation that no part the project is within 200m of any waterway (surface and underground - MWRC requirement)
24. Risk event reporting plan e.g. when any panels or equipment is damaged by fire, storm, hail, etc., including notification to the local community.
25. Extent of compensation to be paid to nearby property owners who incur a reduction in land value as a result of the project or due to fire or contamination.
26. The value of contributions to independent research bodies who scientifically study life-cycle "renewables" pollution, resource requirements, impacts on the environment, wildlife and food chain and on humans.
27. Evidence that their product does not include materials obtained from the use of child labour, human rights abuses, and unacceptable impacts on the environments in overseas countries.
28. A risk analysis of the project be included (safety, obsolescence, vulnerability to damage, economic vs. physical life, etc).
29. A chart showing the decline in energy output efficiency each year and projected physical and economic life-time of the project, supported by evidence.
30. Maintenance plan to identify component deterioration on a regular basis (e.g. soil testing if cracking, de-lamination, weather-related damage, turbine blade insect build-up, etc. occurs).
31. Written confirmation from all landholders who lease their land to renewables developers that they fully understand any liabilities they have to remove infrastructure at the project's end-of-life should the then current plant owner not be able to do so (e.g. due to bankruptcy).

#### **What SOS wants from our governments**

1. A level playing field for all forms of electricity supply.
2. All subsidies to the renewables industry in Australia to stop within 12 months.
3. All 'renewables' projects to contribute to access electricity network infrastructure or build/pay for infrastructure specifically needed for the project, or NSW Renewable Energy Zones, to connect to the grid.
4. Ban the use of Sulphur Hexafluoride (SF6).
5. Require truth and completeness in project documentation when promoting their projects for assessment.
6. Requirement that all risk events that occur be publicly reported.
7. Requirement for projects to lodge upfront bonds upon project approval for decommissioning, disposal and land rehabilitation.
8. At least a five years warning by a project that it is to be decommissioned so as to give time for its replacement to be approved and built.
9. A limit be put on the size and location of an industrial solar plant so as to preserve land for agriculture, the attractiveness and ambiance of the surroundings of regional towns.