Nestor Tsambos

Subject: FW: Wallaroo Solar Electricity Generating Works & BESS - SSD-92746348 OBJECTION SUBMISSION

Wallaroo Solar + BESS OBJECTION

I Object on strong technical grounds in that it is not and never can provide a reliable fill-in supply to renewable energy unreliability. The capacity is nowhere near enough and never will be on current technical progress reports. Secondly an unreliable grid based on solar and wind can never guarantee recharge when needed. Finally the cost of addition grid generation to accommodate storage recharge AND normal grid load is outrageous . In a word no storage is viable as grid unreliability support, it is useful sometimes a peak lopping only. The other untenable unknown is what to do when the battery has to be replaced? No one has addressed the environmental problem.

1. How do you propose to provide reliable fill-in power generation when the average capacity factor of wind and solar systems CANNOT exceed approximately 30%?

2. If your answer is storage (any and all forms) how do you propose to re-charge spent storage facilities on a cloudy windless morning? (which could last for days or weeks)

3. What is the REAL cost of solar and wind systems - which MUST include ALL peripheral establishment and operational costs, that is :" manufacturing, transport, ALL subsidies, fill-in generation by whatever means, construction, land reclamation, disposal and treatment of toxic fail units, recycling of battery materials, grid batteries (that are useless for storage), Transmission Lines, the list goes on BUT MUST include ALL costs for a realistic estimate.

John McBratney B.Tech (Electronic Engineering)
Retired Telecommunications Engineer, formerly MIE Aust. MIEEE.
9, Summers Court
Lancefield
Vic 3435
Ph: 0431 525 759

I object on strong technical grounds to this proposal in that it is not and never can provide a reliable fill-in supply to renewable energy unreliability. The capacity is nowhere near enough and never will be on current technical progress reports. Secondly an unreliable grid based on solar and wind can never guarantee recharge when needed. Finally the cost of addition grid generation to accommodate storage recharge AND normal grid load is outrageous . In a word no storage is viable as grid unreliability support, it is useful sometimes a peak lopping only. The other untenable unknown is what to do when the battery has to be replaced? No one has addressed the environmental problem.
John McBratney B.Tech (Electronic Engineering)
Retired Telecommunications Engineer, formerly MIE Aust. MIEEE.
9, Summers Court
Lancefield
Vic 3435