

25<sup>th</sup> July 2016

Ms. B. Huddy  
Coastal & Environmental Services  
P.O. Box 934  
Grahamstown  
6140

Dear Ms Huddy

### **CUMULATIVE NOISE IMPACT ASSESSMENT – BRANDVALLEY**

As per our recent correspondence, I have considered the cumulative impacts of the wind energy projects within a 30kilomtere buffer zone around the Brandvalley Wind Energy Project.

The closest projects in terms of noise emissions are as follows (See Annexure A):

- Konstabel Solar Project;
- Roggeveld Wind Project;
- Karreebosch Wind Project;
- Komsberg East and Komsberg West Wind Projects;
- Perdekraal Wind Project;
- Witberg Wind Project;
- Sutherland Wind and Solar Project;
- Hidden Valley Wind Project;
- PV Solar Project, south of Sutherland;
- Suurplaat Wind Project;
- Gunstfontein Wind Project;
- Komsberg Substation; and
- Rietkloof Wind Project.

The above projects have been assessed and only the projects in red font above are considered to have possible cumulative impacts. In order to determine the likelihood of a cumulative impacts, the

noise specialist reports of these projects (red font), were scrutinised, and of these, only the Rietkloof project modelled as a cumulative impact.

All the other projects will have a negligible cumulative impact due to their distance from the Brandvalley Wind Energy Project. The Rietkloof project is dealt with in detail in my original report (Report number 26/7587 – Version 4).

### Impact Statement

The overall environmental impact of the changes made to the project scope is rated as low as reflected in Table 5 below. The impact rating methodology was supplied by the client (EOH (Pty) Ltd).

Table 1 – Cumulative Impact Significance Statement Table

Nature of impact	Temporal Scale	Spatial Scale	Severity of Impact	Risk or Likelihood	Overall Significance
<b>WITHOUT MITIGATION</b>					
Impact of the <b>cumulative operational</b> noise on the surrounding environment (Including the cumulative impacts)	Short Term (1)	Local (1)	Moderate (2)	May occur (2)	<b>Low (6)</b>
<b>WITH MITIGATION</b>					
Impact of the <b>cumulative operational</b> noise on the surrounding environment	Short Term (1)	Local (1)	Moderate (2)	May occur (2)	<b>Low (6)</b>

Please feel free to contact us should you have any further requirements. Assuring you of our best attention at all times.

Yours sincerely



Dr Brett Williams

Annexure A

