

# Watershed Nature-Based and Green Infrastructure Activities Avoiding Emission from Water Management Gray Infrastructure Construction and Operations Methodology v1.0

Expert Peer - R2 Review Round

Reviewer #2

December 5, 2023

CONTENT referenced by reviewer's comment <i>e.g. Section number + paste exact text</i>	REVIEWER'S COMMENT <i>Please paste the comment from the reviewer</i>	AUTHOR'S RESPONSE <i>Please describe how the comment was addressed and include new content in quotations</i>	Reviewer's Conclusion [PASSED/ REJECTED WITH COMMENTS]
Section 1.2 Normative References	Replace with 'Standard References'	This comes from Regen's template.	P for passed
Section 1.2 A	This is a model of a bunch of models - Read Section 2 of the	Predicting the future grid emissions is challenging. As the reviewer points out there are a variety of	p

	User Guide. Particularly, read Caveats & Limitations of Cambion Databases. Given these limitations and the level of rigor & verification required. Is this useful?	limitations associated with Cambium. Cambium represents a robust peer reviewed data source that enables a placeholder for future grid emissions in the methodology. The methodology does require revisiting grid emissions every 5 years. The intent with using Cambium is to reduce the need to change the total credits during the re-evaluation. We have included in the revised methodology encouragement for the use of multiple data sources consistently throughout the methodology.	
Section 1.2.B	This website has a good Reference Section and User Guide	Confirmed	p
Section 1.2.D	Have to Pay to read	The methodology refers to the latest approved versions of the following tools as guides. Project Developers will identify the most appropriate tools for their projects.	p
Section 1.2.E	The EPA water Bible	Confirmed	p
Section 1.2.F	There are indications that this website is not working correctly	1.2F is a working link for Authors. ( <a href="https://www.epa.gov/wqs-tech/water-quality-standards-handbook">https://www.epa.gov/wqs-tech/water-quality-standards-handbook</a> ). Each chapter is downloadable from that page.	p
Section 1.3.5	I would use bullets again for the list in this paragraph	Stylistic choice, we believe the paragraph format is legible in this long list of definitions.	p
Section 1.3.11 & 12	Replace -dash with :colon	Edited	p

Section 1.3.14	Just a question for my own curiosity. Who makes the important decision on The 'Ratio' & the 'Discount Factor'?	<p>These design considerations occur at the project level, and are negotiated based on the project type, monitoring requirements, and regulator approval.</p> <p>Generally, the answer is "the regulator". But this isn't always the case with voluntary actions.</p>	P & thank you
Section 3.1.1.2	For my own understanding and perhaps for others it would be nice to have an example or two to understand this important 'Functional Unit' concept	<p>The functional unit has been defined as the kg of N or kg of P (depending on the limiting nutrient) removed.</p> <p><i>Author note: this has been modified to be more general to a water quality 'pollutant', not just N or P</i></p>	<p>P &amp; thank you</p> <p><i>Author response: This part has been further modified to detail the functional unit as levels of pollutant removed/avoided, not specifically kg of N or P (given that could be Total Suspended Solids, temperature, other water quality attributes)</i></p>

Section 31.1.3	Use bullets for the two steps	Introduced bullets	p
Section 3.1.1.4	Bullets to highlight the focus of the methodology - 3 things EGRID, NREL, & TRACI 2.1	Introduced bullets	p
Section 3.1.1.4 2nd Paragraph 5th line and 9th line	Land applied sludge is causing a big problem in dense central Europe. This result is from an accumulation of persistent toxic compounds from this practice. Therefore I wonder about this as a proposed solution.	Local and state regulations identify if these practices are acceptable and environmentally appropriate.	p
Section 3.1.1.6	Consider including a note in this general information section that provided the current % of U.S. energy requirements addressed by renewables. It's about 4%	The grid is dramatically evolving. Including the current composition in the methodology does not add value and will be outdated quickly.	p
Section 3.1.1.9 3rd Bullet	Missing word 'data' on line 2	Edited	p
Section 3.1.1.9 Inventory 5th Bullet	Bullet is missing	Edited	p

**Post here any additional feedback or comments that are more general:**

**The formatting across these two documents could be improved beyond what I have suggested. Non-consistent outline styles can be found. If not important to you, then no problem as overall I could read and understand everything presented and what you have is good to go.**

Will be addressed at final stage.

**This is pretty dense material and as you can tell I am a proponent of using bullets as opposed to sentences with long lists. Research has shown that important isolated items in a bullet list are more easily understood and retained. This as opposed to reading key points buried in a multi line sentence.**

This comment incorporated in some areas.

**Hope this helps.**