




Here at MUC, we aim to keep our clients happy and informed with what we're up to and what we can do for you! Catch each issue of *Utilipedia* published every quarter and stay up to date on all things utility, sustainability, environmental compliance and so M.U.C.H. more!!

In this issue...

- Environmental Product Declarations
- Issuance Spotlight: new GSA and SEC guidelines
- We Offer **M.U.C.H.** More!

 **ENVIRONMENTAL PRODUCT DECLARATIONS**
HOW CAN YOU GET AHEAD OF ENVIRONMENTAL REGULATIONS?

Environmental Product Declarations, otherwise known as EPDs, provide, simply, a quantifiable way to measure a company's impact on the environment. These declarations can be best described as a nutritional label, listing the sustainable attributes of your product, whether it be asphalt, concrete, cement, etc.. They report the impacts over the entire life-span of the product. EPDs make the importance of energy efficiency and sustainability of a product clear. When creating an EPD, the environmental performance of the product is measured using a life cycle assessment (LCA) following a specific set of Product Category Rules (PCR) designated by your industry group.¹ The EPD is then verified by an approved independent verifier. Once approved, it can be published and readily available to the public to view. Anyone from code officials to the general public can view this information and know the environmental impact your product is making and use this to determine whether or not to use your product. Many projects on the local, regional, or state level will also preferably choose a project bid with a published EPD, regardless of the project cost, over project bids with no EPD. This is because understanding the impacts of a product's life cycle as well as outlining a product's energy efficiency is favorable to not knowing this information of the materials needed for construction projects.² EPDs are also an effective way to benchmark your products and mixtures and use the information to improve the efficiency and environmental impact of your product.

Here at MUC, we have teamed up with the folks over at NAPA (National Asphalt Pavement Association) to help our clients obtain EPDs for their asphalt products. Our goal is to make this process as simple as possible for you, as well as take on the more time consuming aspects of this process so your company can keep it's focus on the busy production season. NAPA's Emerald Eco-Label EPD Tool³ makes this process easy, from data input through EPD verification. NAPA has opened up and allowed MUC to step in to help our clients with this process in ways they have not for other consultants before. **If you are interested in our help obtaining EPDs for asphalts or other products, please contact josie.chiarello@muc-corp.com or teamgeomah@muc-corp.com for more information on how we can help you with this process!**



Product Impacts

Declared Unit: 1 m³ of 10,000 psi concrete at 28 days

Amount Per Declared Unit	
Global Warming Potential	445 kgCO ₂ eq
Emitted	460 kgCO ₂ eq
Sequestered	-15 kgCO ₂ eq
Ozone Depletion	0.000 kgCFC11eq
Acidification	2.96 kgSO ₂ eq
Eutrophication	0.09 kgNeq
Smog Formation	0.61 kgO ₃ eq
Primary Energy Demand	3017 MJ
Non-renewable	3000 MJ
Renewable	17 MJ

Source: <https://www.buildingtransparency.org/resources/how-get-epd/>

ISSUANCE SPOTLIGHT: NEW GSA AND SEC GUIDELINES

GSA Facilities Standards: *Issuance of Low Embodies Carbon Concrete and Environmentally Preferable Asphalt Standards*

This new GSA issuance outlines required standards for construction contractors to have EPDs for concrete. It also requires that concrete mixtures meet specific greenhouse gas emissions limits associated with its production. This issuance also outlines standards for environmentally preferable asphalt, including the need to include at least two environmentally preferable techniques during the material's manufacture or installation. For more information, visit the [GSA Website](#).

SEC Proposed Rule 33-11042: *Enhancement and Standardization of Climate-Related Disclosures*

This rule amendment by the SEC is requiring public companies to disclose information on greenhouse gas emissions as early as 2024 (for 2023 fiscal year). This will at first include Scope 1 and Scope 2 emissions and then will include the additional requirement of Scope 3 emissions in subsequent years. We at MUC are working through dissecting the 490 page document so you don't have to, but for now feel free to reference the [SEC 33-11042 Fact Sheet](#).

For any questions or concerns you have about these issuances or how we can help you comply, please contact josie.chiarello@muc-corp.com or teamgeomah@muc-corp.com!



Check out some of our deliverables!

MUC has so much more to offer than just our invoice and data management solution. We provide a wide variety of services from environmental reporting to process automation. The MUC team is dedicated to making our client's as efficient as possible by yielding valuable insights derived from leading edge technology. Clients can customize the offerings listed (plus more!) into a packaged deal. Contact us to learn more.

DATA

- Utility bill aggregation and digital mailbox centralization
- Capturing all relevant data from invoices
- Finding and correcting anomalies/errors

PROJECTS & MANAGEMENT

- Daily monitoring and communication
- New power/extension service projects
- Efficiency projects & cost savings

DATA TO KNOWLEDGE

- Data reporting visualization
- 24/7 data availability with proper credentials and scope based
- Daily, weekly, and monthly metrics
- Data mining with focus on identifying savings through usage and cost optimization

SUSTAINABILITY

- All fossil fuel and electric power captured in the data entry process is: Converted to GHG and other Environmental metrics; Time and location specific coefficient-based calculation; Compliance grade reporting

We offer
M.U.C.H.
more!



Check out our new website! Explore each of our verticals and what they can do for you!!

➔ [MUC Website](#)

Sources for this issue:

¹Environmental Product Declarations (EPDs): Improving Material Selection Options in the IgCC

²Environmental Product Declarations (EPDs): A Guide for Architects

³NAPA Emerald Eco-Label EPD Program

QUESTIONS? Contact us:

PO Box 6368 Cincinnati, OH 45206
josie.chiarello@muc-corp.com
team@geomah.com

Are you a landlord? Do you own real estate?

If yes, check out our **RealMTRX** Team and what they can do for you!

➔ [RealMTRX Brochure](#)

