

NAPA's Emerald Eco-Label Tool: Roadmap for Including Associate Member Data

Program Goals

As part of the efforts of NAPA, the asphalt industry, and its suppliers to address sustainability, NAPA Associate Members and other suppliers are invited to include their product data in NAPA's Emerald Eco-Label EPD Tool. Asphalt mix producers who use ingredients like anti-strip agents or emulsifiers included in the Eco-Label tool will receive the most complete Environmental Product Declarations (EPDs). Additive and modifier suppliers will receive a branded entry in the Eco-Label tool visible to all asphalt mix producers.

Getting ready to add your data

In order to meet the data quality requirements for the Eco-Label Tool, information about asphalt additives and modifiers must meet the ISO 14044 standard for Life Cycle Assessments (LCAs). Whether ISO-compliant data exists directly affects the cost of including a product into the Eco-Label tool.

Scenario A

You have a reviewed ISO 14044 compliant LCA or ISO 14025 compliant EPD.

Status: You're ready to add your data.

Cost: \$4000 per product.

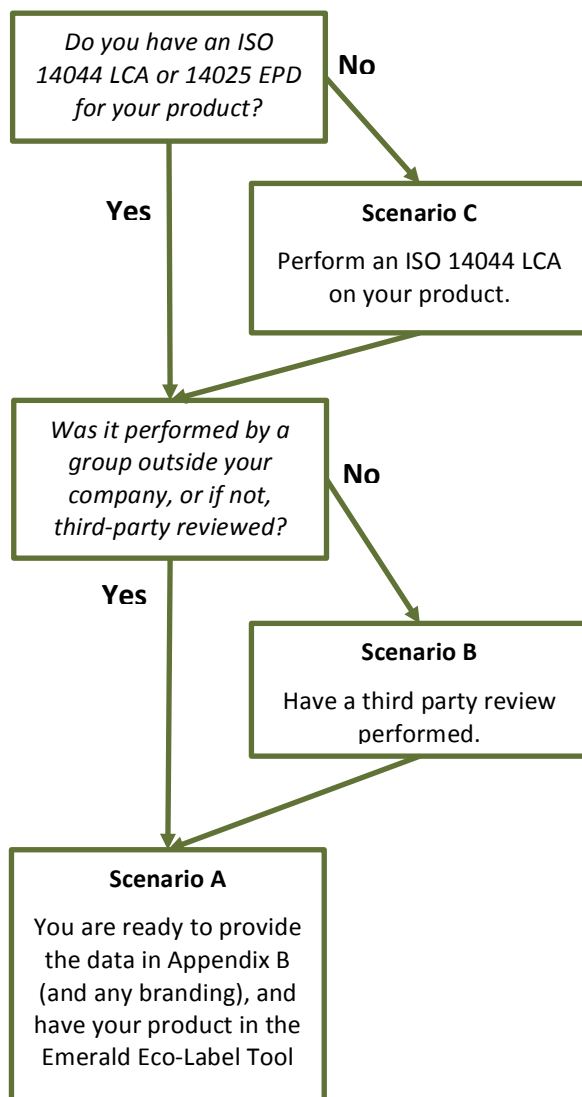
Provide Trisight LLC with ecoSpold2 files, other LCA database files, or a written report. Must include or be able to generate all reporting information found on the Asphalt EPD, including TRACI and CML indicators.

Scenario B

You have an internally developed LCA.

Status: You need to get your study reviewed.

Cost: \$1000 to \$2000 for Eco-Label-only review OR
\$2000 to \$5000 for formal third-party review.
+ \$4000 per product as per Scenario A



You have the option of having Trisight review your study for ISO compliance before adding it to the tool. This is the minimum level of review necessary to ensure all data in the tool

meets quality requirements, which is necessary to maintain ISO compliance of the tool itself. You also have the option of hiring Trisight or another firm to perform a formal third-party review, which allows the report to be used for both the Eco-Label tool and other applications.

Scenario C

You don't have Life Cycle Assessments of your products yet

Status: You need to perform an ISO-compliant Life Cycle Assessment

Cost: \$20,000 to \$100,000+ depending on complexity

Cost of performing a full LCA depends on the LCA practitioner, complexity of the product and its manufacturing process, the number of products/LCAs performed, and commonality between products. In short, cost is highly dependent on the specific product and situation.

For example, a single asphalt additive, created by a simple manufacturing process at a single location, would be on the low end of the cost spectrum. The LCA for asphalt binder—which involves multiple continents, companies, manufacturing locations, and manufacturing processes—is high on the cost spectrum.

An LCA may also be performed internally, but will require significant internal knowledge about the LCA process. Such an LCA will need review before the data can be incorporated in the Eco-Label tool (Scenario B).

Recommended LCA Practitioners

Trisight LLC.

trisightengineering.com

Trisight created the Emerald Eco-Label software. They will be able to waive the cost of integrating the data into the EPD tool if they have performed the LCA for the product. Trisight specializes in LCA and EPD automation.

WAP Sustainability

wapsustainability.com

WAP performed the third-party review of the Emerald Eco-Label software.

The Right Environment

therightenvironment.net

The Right Environment performed the third-party review of the Product Category Rules for asphalt mixture EPDs.