



IMPLEMENTATION SUPPORT FOR ASTM SUSTAINABLE MANUFACTURING STANDARDS

REAP THE BENEFITS EFFICIENTLY AND EFFECTIVELY WITH EARTHSHIFT GLOBAL

LEVERAGE OUR EXPERIENCE

Reduced costs, better quality, and lower environmental impact are just some of the benefits of ASTM Sustainable Manufacturing standards **E2986-15**, **E3012-16** and **E3096-17**.

You can **follow the fastest path to best performance** by leveraging EarthShift Global's two decades of experience in applying sustainability principles to manufacturing operations.

Our hands-on knowledge and practical skills help you put the ASTM standards' systematic, science-based principles to work in your facilities, with services including:

- Strategic walk-throughs of the standards; what is needed to meet them
- Help managing the corresponding assessments
- Support for your internal sustainability team's implementation process
- Providing support in the development of assessments and models to meet the standards
- Providing external reviews for models and adherence to the standard
- Facilitating the setting of KPIs
- Supporting review and update of the assessments in future years

MINIMIZE YOUR INTERNAL EFFORT

EarthShift Global has worked with manufacturers in consumer goods, electronics, industrial equipment, and many other sectors. We've built our business on helping improve the sustainability (reducing impacts while meeting or exceeding economic performance) of operations and production via training, environmental assessments, and compliance consulting.

THE FASTEST PATH TO BEST PERFORMANCE

The ASTM standards are an excellent framework for understanding environmental aspects of a manufacturing process's sustainability, including modeling, assessment, and setting of targets that encourage improvement. EarthShift Global keeps up with ASTM releases so we can help with the latest standards and toolkits.

Sustainable manufacturing standards can help your team set benchmarks, gain insights and spur innovation — and our team can help minimize the effort.

TYPICAL IMPLEMENTATION PROCESS FOR ASTM SUSTAINABLE MANUFACTURING AND HOW EARTHSHIFT GLOBAL CAN ACCELERATE IT:

	Primary Task	EarthShift Global Contribution
Step 1:	Understand the standards and what they do and do not offer	Strategic perspective, training, coaching
Step 2:	Goal and scope setting	Facilitation, coaching, benchmarking
Step 3:	Data gathering	Creating data collection workbooks, support for on-site data gathering, coaching
Step 4:	Impact assessment, sensitivity and uncertainty	Soup-to-nuts assessment based on data gathered in step 3, coaching
Step 5:	Characterization	Identification of hot spots and areas for improvement, suggestions for improvements, critical review to allow results sharing, coaching
Step 6:	Setting KPIs	Facilitation and guidance in setting and implementing KPIs, coaching
Step 7:	Periodic review	Impact assessment updates, KPI review, coaching

KEY ASTM SUSTAINABLE MANUFACTURING STANDARDS

E2986-15: Evaluation of Environmental Aspects of Sustainability of Manufacturing Processes

Provides specifications for performing an environmental evaluation of a particular manufacturing process. It includes the drawing of system boundaries, selection of indicator(s), analysis, evaluation of results via aggregation of indicators, and sensitivity and uncertainty analysis.

E3012-16: Characterizing Environmental Aspects of Manufacturing Processes

Provides an approach to organize and categorize the inflows and outflows of any manufacturing process, to enable further environmental evaluation and sharing of information.

E3096-17: Definition, Selection, and Organization of Key Performance Indicators for Environmental Aspects of Manufacturing Processes

Provides guidance on selecting key performance indicators (KPI) according to your organization's goals. For instances where no suitable KPI is available, the standard offers guidance on creating new ones. It also offers guidance for ranking and selecting KPIs in situations with many options.



Get Started Today

EarthShift Global helps clients achieve prosperity through sustainability. We are committed to friendly, efficient, data-driven collaboration. Let's talk about how you can start reaping the benefits of the ASTM standards.

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