Celebrating 80 Years of Improving Human and Planet Health

Feedback Session – NSF/GEC Project

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This meeting is being recorded for notetaking purposes.

Agenda and Session Goals

- Celebrate accomplishments and outcomes

- Overview of Sustainability Services at NSF

- Provide a summary of feedback survey responses

- Allow TC members a platform to speak on their experience

  - Identify:

    - Successful elements of the Criteria Development process for GEC's Sustainability Impact Modules

    - Improvements for future projects

    - Other TC feedback

- Overview of Future Involvement Opportunities – NSF, GEC

Accomplishments and Publications

145 NSF/GEC Technical Committee meetings conducted with over 115 Technical Committee members across all groups, leading to the publication of five EPEAT criteria documents:

Climate Change Mitigation

Published May 2023

Chair – Dr. Jennifer Costley

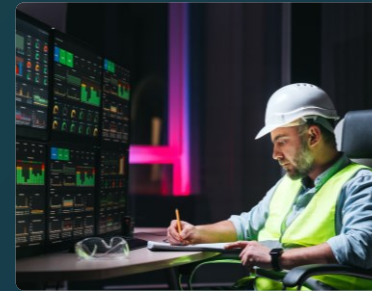
Imaging Equipment Consumables

Published November 2024

Chair – Jeff Olsen

Reduction of Chemicals of Concern

Published December 2024

Chair – Timothy Malloy

Sustainable Use of Resources

Published January 2025

Chair – Dr. Matthew Realff

Responsible Supply Chains

Published February 2025

Chair – Dr. Jennifer Costley

Sustainability Consulting Solutions

Your success is our success because we share the same world

NSF

- Product Environmental Performance
- Climate Action Solutions
- Organic Certification Advice
- Sustainability Strategic Solutions
- Supply Chain Sustainability and ESG Management
- ESG Reporting
- ESG Verification Solutions

Sustainability is no longer a "nice to have" or the "right thing to do;" it is a business imperative.

NSF's experts balance science-based methods and creative analytics to support client needs.

Our service solutions can be applied to these critical expertise areas:

- Climate
- Animal Welfare
- Social Responsibility
- Organic Certification
- Packaging
- Life Cycle & Circularity
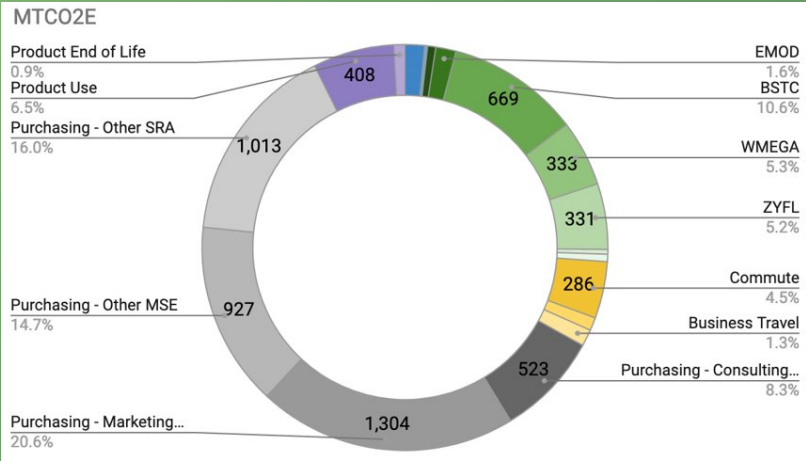- Product Design
- Green Building Products

Services: CLIMATE ACTION SOLUTIONS

Given NSF's status as a globally recognized organization, rest assured that the accuracy of your reporting, climate calculations, and due diligence concerns can be verified with confidence.

- Climate Action Plan

- Greenhouse Gas Calculations & Verifications

- Climate Risk Assessment

- Emissions Reduction Roadmap

- Supply Chain Climate Engagement
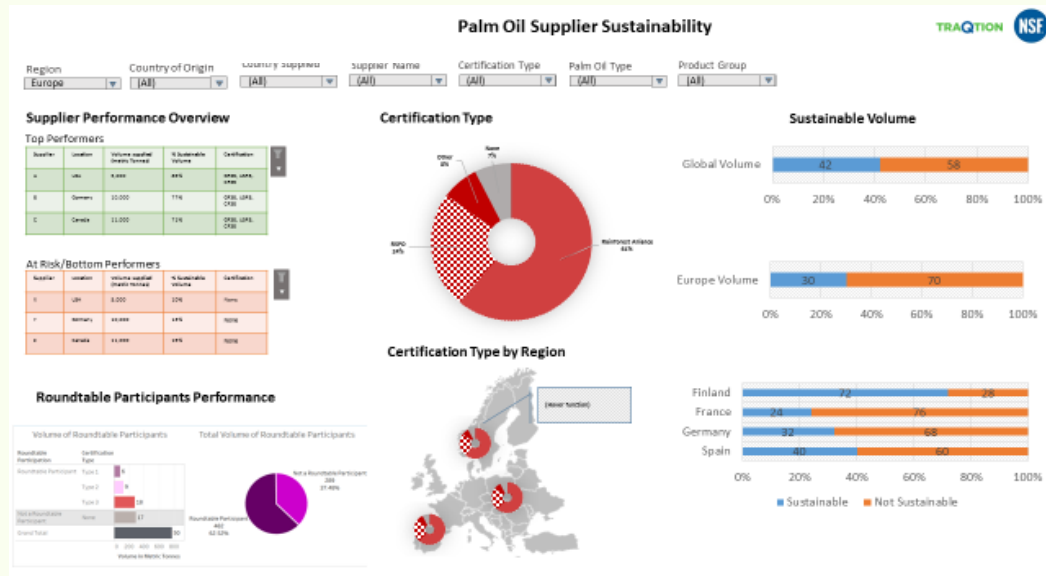
- Climate Target Setting (incl. SBTi)

Example of how Scope 3 emissions can be represented

Location	Transportation	Buildings	IT	Food	Professional Services	Insurance	Other Employee Benefits	Printing
Location 1	5.0	0.2	2.6	1.2	0.8	0.3	1.1	0.4
Location 2	5.4	6.9	1.7	0.5	0.6	5.1	0.1	0.2
Location 3	5.5	1.2	1.1	1.4	1.6	0.1	0.5	0.7
Location 4	12.3	2.4	1.3	0.3	0.4	0.1	0.1	0.5
Location 5	4.1	3.4	1.6	0.7	0.4	0.1	0.1	0.2
Location 6	2.9	4.2	1.1	0.4	0.4	2.5	0.3	0.1
Location 7	2.3	2.1	0.7	0.8	0.5	0.0	0.3	0.3
Location 8	6.9	4.0	1.1	1.3	0.9	0.4	1.8	0.7
Location 9	4.1	0.3	0.9	1.5	0.8	0.1	0.3	0.5
Location 10	2.5	2.8	2.2	2.1	1.6	1.2	0.6	0.3
Location 11	8.1	2.7	0.5	0.8	0.6	0.1	0.1	0.9
Location 12	4.9	4.4	0.6	0.8	2.4	0.6	0.4	0.2
Location 13	2.4	0.4	1.6	1.0	0.4	9.9	0.7	0.1
Location 14	4.2	5.9	1.7	1.9	0.6	0.5	0.8	0.4

Example of how emission hot spots can be shown for multiple locations

SCIENCE BASED TARGETS

Services: SUPPLY CHAIN MANAGEMENT

Our strategy, reporting and verification services can be coupled with our technical expertise, TraQtion or Connect software systems, and global employee and auditing network to build, monitor and support compliance improvements with ESG policies, regulations, and goals.

- Supply Chain ESG Policy Benchmarking

- Sustainability Policy & Protocol Development

- Sustainability Policy Readiness Assessment

- ESG Impact Tracking

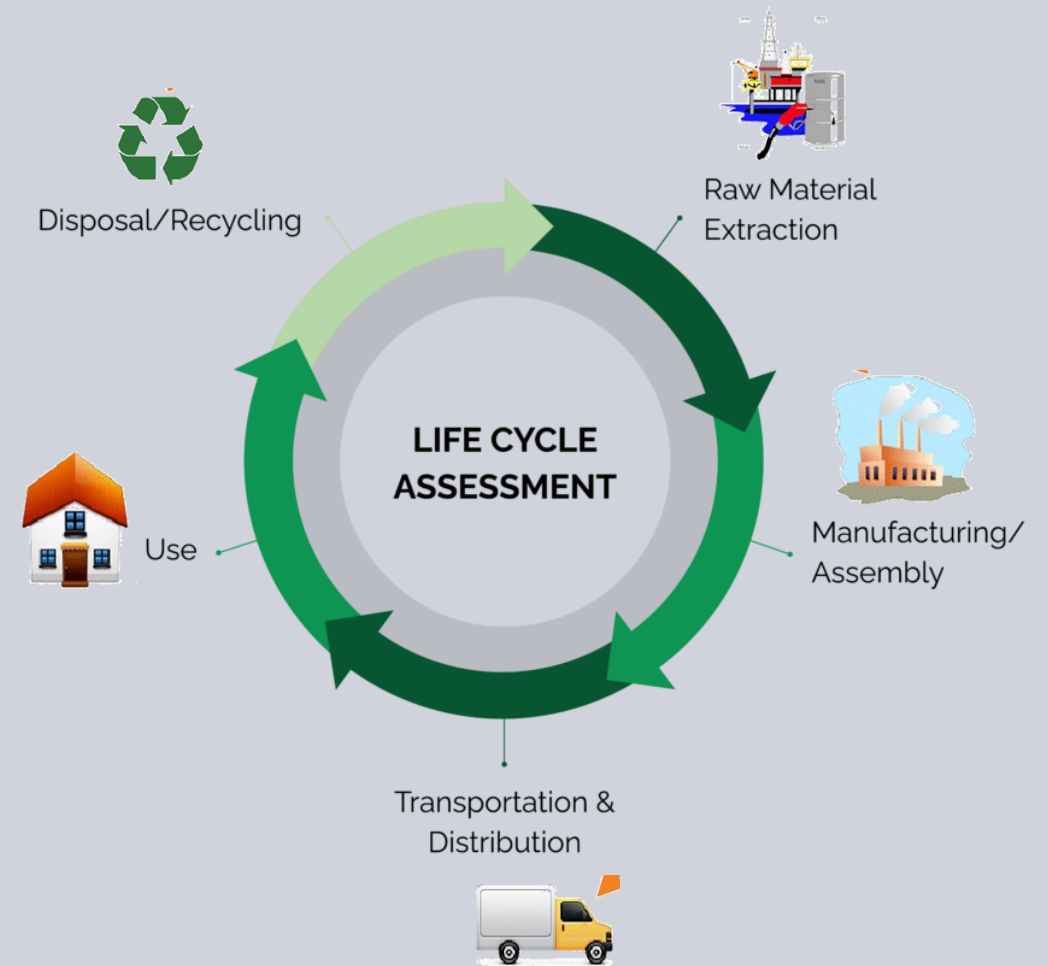- 2nd Party ESG Verification Programs

Services: PRODUCT ENVIRONMENTAL PERFORMANCE

Reduce the impacts of your products, packaging and services through life cycle science services, including Life Cycle Assessments (LCAs), material analyses, product carbon footprint and Environmental Product Declarations (EPDs).

- Life Cycle Assessments (LCAs)

- Comparative LCA

- Scoping/Screening LCA

- Material Analysis

- Product Carbon Footprints

- Environmental Product Declarations (EPD)

Disposal/Recycling

Raw Material Extraction

LIFE CYCLE ASSESSMENT

Use

Manufacturing/ Assembly

Transportation & Distribution

SUSTAINABILITY STANDARDS & CERTIFICATION SERVICES

Process Level

Forestry Certification

- SFI, FSC, PEFC, ATFS

E-Waste Certification

- R2, e-Stewards, RIOS

Landfill-Free Verification

Environmental Management Certification

- RC14001, ISO 14001

NSF/ANSI 391.1 Sustainability Cert. for Professional Services

Social Welfare Cert.

- SMETA, SIZA, WETA, Global G.A.P. add-on

Animal Welfare Cert.

- Freedom Foods, Red Tractor, NSF AW Standard

Agriculture Cert.

- Global G.A.P. + add-ons, SIZA, LEAF Marque

Product Level

Building Product Certification

- Carpet, Furniture, Commercial Textiles, Dimension Stone, Wallcovering, Flooring

Food Product Certifications

- CVV (non-GMO, kosher, vegan, gluten-free), Organic (NOP, NSF/ANSI 305, transitional to organic)

Safer Chemistry

- Safer Choice & CleanGredients

Environmental Product Declarations

- PCR, LCA, EPD Development, EPD Verification

Toxicology

- ChemForward

Energy Certifications

- EnergyStar

Environmental Claim Verification

Environmental Claim Verification

Consumers demand transparency and NSF's Environmental Claim Verification program can build credibility by validating sustainability claims through trusted, independent verification. Verified claims can differentiate products, foster trust, and appeal to eco-conscious consumers.

Example Verified Claims

- **Sustainable Packaging**: Verify the use of recycled or sustainable materials.

- **Carbon Footprint Reduction**: Confirm efforts to reduce emissions.

- **Recyclability and Recycled Content:** Verify that products meet recyclability standards or contain a specified percentage of recycled materials.

- **Water Efficiency**: Demonstrate commitment to reduced water usage.

- **Circular Economy Practices**: Verify support for a circular economy.

- **Compliance with Restricted Substances List**: Verify that product complies with red list restrictions and avoids harmful substances like PVC, phthalates, bisphenols, PFAS and formaldehyde.

- **Sustainable Supply Chain Practices**: Confirm sustainability across supply chain.

- **Compostability**: Verify that product is compostable, reducing landfill waste.

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Verified Environmental Claim

Landfill-Free Verification

The NSF guideline used to evaluate an organization's waste management processes and recognizes companies demonstrating that they send less than 1% of waste to landfill.

Why go Landfill-Free

✓ Generating less waste saves money on raw material, energy and labor costs

✓ Organizations can realize value similar to the MillerCoors' Milwaukee campus as they achieved an approx. savings of $89k per year from landfill-free efforts

✓ Consumers prefer to buy products from companies they perceive as protecting the environment

NSF®
Landfill-Free Facility
NSF P445

NSF®
Produced in a
Landfill-Free Facility
NSF P445

" West Liberty Foods did not just want to claim we were a Landfill-Free company. We wanted to prove it. From day one, NSF has been a great partner. I'm proud that West Liberty Foods was one of the first companies in the United States to be verified as Landfill-Free."

Michele Boney
West Liberty Foods
NSF Landfill-Free verified since 2014

E-WASTE CERTIFICATION

Industry certification programs set requirements for safer recycling and disposal of electronic waste.

 R2 2013 Responsible™ Recycling

 e-Stewards

 RIOS™ CERTIFIED RECYCLER

Corporations are requiring certified organizations to handle their e-scrap. Benefits include:

> Better position to earn federal contracts
> Meet state regulations
> Participate in corporate recycling opportunities
> Distinguishes your company as an

industry leader
> Position you as a preferred supplier

Survey Results

- TC feedback was solicited in May 2025 via a Qualtrics survey link

- 19 responses received

  - Comprised of 14 Voting Members, 5 Observers

  - Received responses from voting members and observers across all Technical Committees

- While not all respondents had experience participating in a voluntary consensus process, most answered that they understood the public and TC comment process utilized throughout the Sustainability Impact Modules

- *Thank you to those who participated in this survey!*

What's Working Well in the TC Process?

Utilizing Microsoft Teams to host digital meetings, NSF/GEC presentation of materials live during meetings

Engaged chairs that serve as strong facilitators and keep the conversation on track, knowing when to continue the conversation or move to the next agenda item

Easy functionality of voting in the NOW, availability of voting results and comment interface

High level of involvement of stakeholders and appreciation for their attention to detail throughout the discussion process

Common Suggestions for Improvement

Navigation of the NOW platform, particularly folder systems and downloading packages

Request to host at least one in-person meeting, especially if it were in an extended (one or two days) timeframe, like NSF Joint Committee meetings

Less Simultaneous Technical Committees conducting active work at one time to allow for more thorough SME review, longer turnaround times on the distribution of materials

Enable increased observer technical input (suggestions to modify NSF and GEC policy procedures to reflect this)

Live Feedback Session
Moderation

- Utilize the hand raise function to join the queue to speak. Moderation may move between posted questions and raised hands to enable conversational flow.

- The Q&A function is also enabled in this meeting. You may post a question or topic using this feature which will automatically be visible to participants. Replies and comments will also be enabled, appearing in a nested view. If your comment is directed to a specific organization, please use @NSF or @GEC to allow for enhanced moderation.

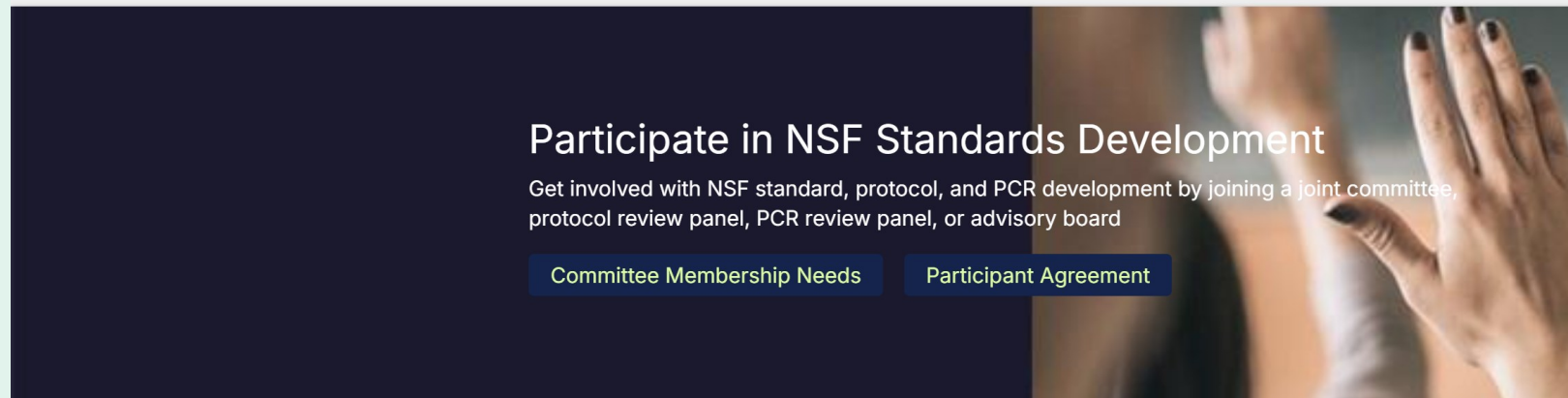- Please be mindful of our session length. Additional feedback may be sent to cleone@nsf.org.

Future Involvement Opportunities

- Continuous maintenance in action: NSF regularly reviews suggestions to improve the NSF/GEC policies

  - NSF Criteria Development and Maintenance Policies for Global Electronics Council Projects updated May 2025

  - GEC Criteria Development Process (P74)

- NSF – visit standards.nsf.org and view committee openings under the "Participate in NSF Standards Development " needs are updated monthly

Participate

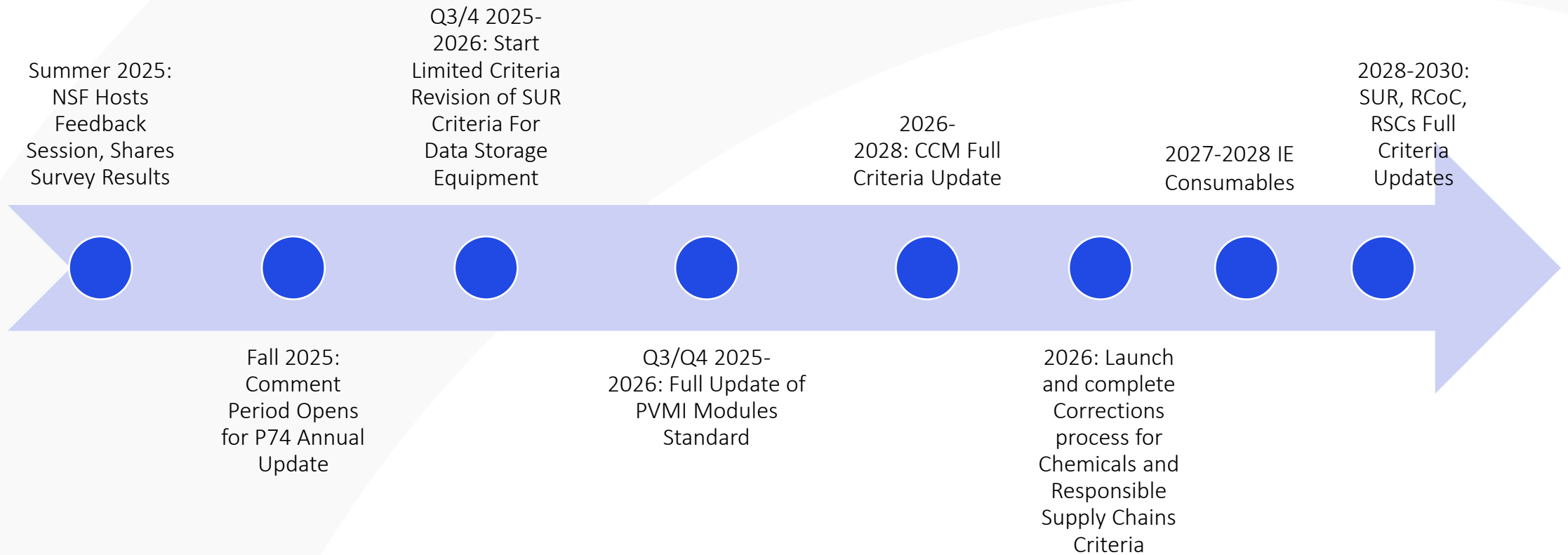## Participate in NSF Standards Development

Get involved with NSF standard, protocol, and PCR development by joining a joint committee, protocol review panel, PCR review panel, or advisory board

Committee Membership Needs   Participant Agreement

Opportunities to Engage in EPEAT Criteria Development/Update Process

Engagement Opportunity	Benefits From Engaging
Comment on the Product Category Proposal and State of Sustainability Research Report	Impact understanding of product category, including market segmentation, priority sustainability impact areas, and suite of draft criteria process starts with
Join Expert Ad Hoc Group(s)	Help shape and refine draft criteria
Join Technical Committee as a Member	Help further refine draft criteria and vote on final criteria
Join Technical Committee as an Observer	Stay abreast of status of criteria development process
Provide input as a Technical Expert to Technical Committee	Provide critical technical input to inform specific criteria development discussions
Provide comments on criteria during balloting process	Inform and help refine final criteria

GLOBAL ELECTRONICS COUNCIL

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EPEAT Criteria Tentative Future Update Plans

Summer 2025: NSF Hosts Feedback Session, Shares Survey Results

Q3/4 2025-2026: Start Limited Criteria Revision of SUR Criteria For Data Storage Equipment

2026-2028: CCM Full Criteria Update

2028-2030: SUR, RCoC, RSCs Full Criteria Updates

2027-2028 IE Consumables

Fall 2025: Comment Period Opens for P74 Annual Update

Q3/Q4 2025-2026: Full Update of PVMI Modules Standard

2026: Launch and complete Corrections process for Chemicals and Responsible Supply Chains Criteria

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Thank you!

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