

EPEAT Program

Continuous Monitoring Outcomes Report



Computers and Displays
CD-2022-02
August 16, 2022

1.0 Background

EPEAT® is a comprehensive voluntary sustainability Type 1 ecolabel that helps purchasers identify sustainable technology products and services. Central to EPEAT are conformity assurance activities that meet the technical rigor and credibility needs of the institutional purchasers who rely upon EPEAT. The EPEAT Program ensures the ongoing conformance of EPEAT-registered products through an ongoing surveillance process known as Continuous Monitoring. Continuous Monitoring activities occur throughout the year and test the ability of Participating Manufacturers to prove conformance with EPEAT Criteria on an ongoing basis.

Some Continuous Monitoring activities require that Investigations be conducted in discrete timeframes called Rounds. The EPEAT Program develops an individual plan for each Continuous Monitoring Round, which specifies the EPEAT Criteria to be investigated, the method of investigation that GEC-approved Conformity Assurance Bodies (CABs) must use and the specific dates when the Investigation activities must be completed. The EPEAT Program also selects the Participating Manufacturers and EPEAT-registered products and assigns Investigations to CABs, which must fully participate in and are responsible for implementing Continuous Monitoring Round activities with their Participating Manufacturer clients. Participating Manufacturers are required to cooperate fully with their GEC-approved CAB during Round activities.

To maintain the level of transparency relied on by purchasers, the EPEAT Program publishes an Outcomes Report at the conclusion of each Round to summarize the activities conducted and to identify the products and Participating Manufacturers that received major nonconformances and the actions taken to restore accuracy of the EPEAT Registry.

This document summarizes the activities and results of Continuous Monitoring Round CD-2022-02 conducted for the Computers and Displays category.

2.0 Overview of Continuous Monitoring Round CD-2022-02

2.1 Investigation Activities

As per the published [Round Plan](#), Continuous Monitoring Round CD-2022-02 used Level 1 Investigations (documentation review activities to determine Participating Manufacturers' conformance with specific EPEAT Criteria). Participating Manufacturers had a discrete time period to provide their CABs with evidence supporting conformance with the selected EPEAT Criteria. GEC-approved CABs reviewed the documentation, made recommendations on conformity based solely on the evidence provided by Participating Manufacturers, and sent Investigation Reports to the EPEAT Program. The EPEAT Program made the final decisions on conformity for the Investigations.

2.2 Criteria Investigated

Continuous Monitoring Round CD-2022-02 focused on climate change. Climate change is creating irreversible damage to the planet and threatening conditions for all life on earth—extreme temperatures and weather conditions, rising sea levels, melting ice caps, and loss of biodiversity have already been documented as a result of climate change. The primary contributor to climate change is the release of greenhouse gases into the atmosphere from the use of fossil fuels for electricity generation and other energy needs. The majority of greenhouse gas emissions from the electronics industry are often attributed to the supply chain, which includes raw materials mining, manufacture, and assembly of electronic components, as well as transportation of the finished product. Additionally, the electricity consumed to power electronic products contributes significantly to climate change as well. As a result, GEC selected Criteria which address these issues for investigation in this Round.

Participating Manufacturers were assigned one investigation per criteria. A selection of both required and optional criteria were selected, and all Participating Manufacturers received at least two investigations. Products were selected randomly using a random number generator.

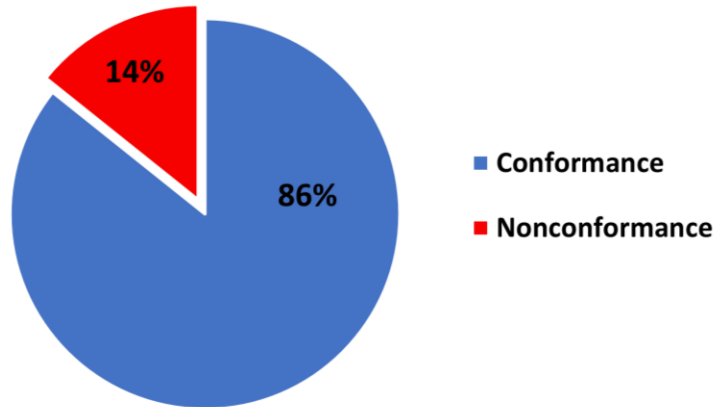
Table 1: Criteria Investigated in Round CD-2022-02	
Criteria Number	Criterion Title
4.5.1.1	Conformance to current ENERGY STAR® program requirements
4.5.1.2	Lowest power mode limit
4.5.1.3	Energy efficiency for internal power supplies
4.5.1.4	Energy efficiency for external power supplies exceeding International External Power Supply Efficiency Level VI
4.8.1.2	Product specific greenhouse gas emissions - product carbon footprint

3.0 Summary of Investigations and Final Decisions on Conformity for CD-2022-02

Highlights from this Continuous Monitoring Round are:

- **77** investigations completed
- **66** decisions of Conformance
- **11** decisions of Nonconformance *Further details provided in Section 4*

Figure 1: Final Conformity Decisions for CD-2022-02
(shown as percentage of total investigations)



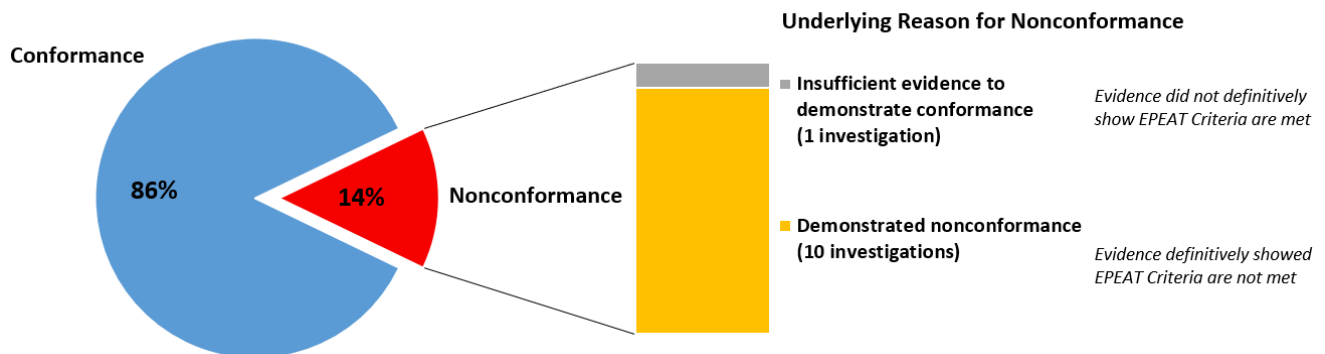
4.0 Further Details on Nonconformances for CD-2022-02

Table 2 below provides a further breakdown of the nonconformances by Criterion.

Table 2: Breakdown of Nonconformances by Criterion for CD-2022-02		
Criteria Number	Criterion Title	Total Nonconformances
4.5.1.1	Conformance to current ENERGY STAR® program requirements	5
4.5.1.2	Lowest power mode limit	1
4.8.1.2	Product specific greenhouse gas emissions - product carbon footprint	5

Figure 2 provides a further breakdown by the underlying reason for the nonconformances.

Figure 2: Underlying Reason for Nonconformances in CD-2022-02
(shown as a percentage of total nonconformances)



4.1 Major Versus Minor Nonconformances

All nonconformances must be categorized as either major or minor. Minor nonconformances are non-critical or clerical in nature and do not materially affect the validity of conformance with EPEAT Criteria. All nonconformances that do not meet the definition of minor are categorized as major.

All nonconformances in Continuous Monitoring Round CD-2022-02 were Major Nonconformances.

4.2 Minor Nonconformances

For Level 1 Investigations, nonconformances may be categorized as minor for the following reasons:

- Minor human error in data entry (e.g., value cited for EPEAT-product registration is insignificantly above or below the actual value).
- Minor administrative errors (e.g., broken URLs, reports/certificates marginally outdated).
- No documentation provided by a Participating Manufacturer where the Participating Manufacturer indicated the product has reached end-of-life and is no longer available on the market.

There were no Minor Nonconformances identified in Continuous Monitoring Round CD-2022-02.

4.3 Major Nonconformances

Major nonconformances may be due to a demonstrated nonconformance, insufficient evidence provided to demonstrate conformance, or because no documentation was provided. All nonconformances in Continuous Monitoring Round CD-2022-02 were Major Nonconformances. Ten were due to demonstrated nonconformance for the following Criteria: 4.5.1.1 Conformance to current ENERGY STAR® program requirements, 4.5.1.2 Lowest power mode limit, and 4.8.1.2 Product specific greenhouse gas emissions - product carbon footprint. One nonconformance was due to insufficient evidence for Criterion 4.5.1.1 Conformance to current ENERGY STAR® program requirements.

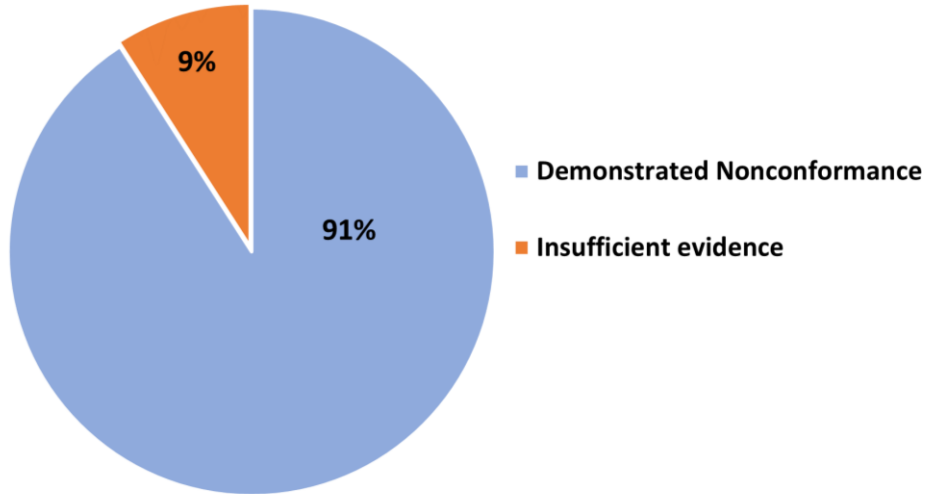
Criterion 4.5.1.1 requires products registered in the United States, or a country where the U.S. or U.S. ENERGY STAR International Partner program requires ENERGY STAR certification (e.g., Canada), to be Energy Star certified. For products registered in other Locations of Use (countries), evidence must be provided to demonstrate that the investigated product meets all Energy Star energy requirements, which includes all requirements related to energy, including energy efficiency, power demand, and power management. The Energy Star specifications for Computers and Displays both state “Products shall be tested for certification at the relevant input voltage/frequency combination for each market in which they will be sold and promoted as ENERGY STAR.”

Criterion 4.5.1.2 requires products to meet the lowest power mode threshold values in the criterion based on the product type. Test reports must be conducted according to the test methods identified in the criterion and include all necessary information to determine the integrity of the test report per the requirements in EPEAT Conformity Assurance Implementation Manual (P66 Issue 2 Rev 1).

Criterion 4.8.1.2 requires a Product Carbon Footprint (PCF) covering each EPEAT Registered product claiming this Criterion. If claiming Part B for a second point, within two months of claiming Part A, the Participating Manufacturer must third party assure the results of the PCF or make the results of the PCF publicly available. If making the results publicly available, certain information must be included.

Figure 3 provides a breakdown of the Major Nonconformances found in Round CD-2022-02.

Figure 3: Reasons for Major Nonconformances for CD-2022-02
(shown as a percentage of total major nonconformances)



5.0 Actions to Restore Conformance

Where the final conformity decision is nonconformance (whether major or minor), Participating Manufacturers must make corrections to restore the accuracy of the EPEAT Registry during the Corrective Action Phase. These activities may include providing additional evidence to demonstrate conformance with the criterion or unselecting the criteria in the EPEAT Registry. Where the product was found nonconformant and is no longer available in the marketplace, the product must be archived.

During the Corrective Action Phase, Participating Manufacturers must also develop Corrective Action Plans for other EPEAT-registered products that may be affected by the same underlying issue causing the nonconformance but were not the subject of investigation (called “similarly affected products”).

The following actions were taken to restore accuracy to the EPEAT Registry as a result of Continuous Monitoring Round CD-2022-02:

- **6** investigations Additional data provided by Participating Manufacturers, bringing the products into conformance with the Criterion
- **1** investigation Criterion unselected by Participating Manufacturer
- **2** investigations Product archived by Participating Manufacturer
- **2** investigations Product archived by the CAB or by the EPEAT Program

Table 3 in Section 7 identifies the Participating Manufacturers and products that received Major Nonconformances in Continuous Monitoring Round CD-2022-02.

6.0 Key Findings

6.1 Ensuring Energy Star Certification or Sufficient Evidence to Demonstrate Conformance to Energy Star requirements.

Participating Manufacturers are reminded to ensure that products registered in the United States, or a country where the U.S. or U.S. ENERGY STAR International Partner program requires ENERGY STAR certification, are Energy Star certified.

For all other Locations of Use, Participating Manufacturers are reminded to ensure they have evidence covering all EPEAT Registered products, that addresses all energy requirements in the Energy Star specification, and the appropriate voltage/frequency combination.

6.2 Ensuring Test Data for Lowest Power Mode

Participating Manufacturers are reminded to ensure they have test data demonstrating Lowest Power Mode for all EPEAT Registered products, and at the appropriate voltage/frequency combinations required by the test methods identified in the Criterion.

6.3 Ensuring Product Carbon Footprint Public Disclosures Include all Necessary Information

If Participating Manufacturer's are using public disclosure to claim a second point for Part B of 4.8.1.2, they are reminded to ensure that the product carbon footprint includes all necessary information required by the criterion, including:

- Being updated at least once every three years;
- Including the inputs used in the assessment (i.e., at a minimum lifetime of product, amount of electricity consumed in the use phase by the product per year, and significant product model elements/parameters);
- Including the total life cycle carbon footprint and carbon footprint of the of the product's life cycle stages (i.e., at a minimum manufacturing, use, transport and end-of-life); and
- Inclusion of the explanation of uncertainty, addressed either through a statistical assessment or through a disclaimer statement.

7.0 Identification of Major Nonconformances and Corrections Made by Participating Manufacturers

In the interest of transparency, the EPEAT Program identifies the Participating Manufacturers and products that received major nonconformances and the actions taken to restore accuracy of the EPEAT Registry. Minor nonconformances are generally clerical in nature and do not materially affect the validity of products in the EPEAT Registry. As such, these are not identified in the table below.

Table 3: Summary of Major Nonconformances and Corrections Made by Participating Manufacturers								
Participating Manufacturer	Product	Product Type	Country	Criterion Number	Criterion Title	Required or Optional	Underlying Reason for Nonconformance	Corrective Action Taken
CIARA TECH	Horizon D11750	Desktop	Canada	4.5.1.1	Conformance to current ENERGY STAR® program requirements	Required	Insufficient evidence to demonstrate conformance	Manufacturer provided evidence demonstrating conformance
Durabook Americas Corporation	S14	Notebook	United States	4.5.1.1	Conformance to current ENERGY STAR® program requirements	Required	Demonstrated Nonconformance	Manufacturer archived product
Eizo	FlexScan EV2760	Monitor	United States	4.8.1.2	Product specific greenhouse gas emissions - product carbon footprint	Optional	Demonstrated Nonconformance	Manufacturer provided evidence demonstrating conformance
Fujitsu Limited	FUJITSU Display P2410 TE	Monitor	Germany	4.8.1.2	Product specific greenhouse gas emissions - product carbon footprint	Optional	Demonstrated Nonconformance	Manufacturer provided evidence demonstrating conformance
Howard Technology Solutions	Q370MKB	Desktop	United States	4.5.1.1	Conformance to current ENERGY STAR® program requirements	Required	Demonstrated Nonconformance	Manufacturer archived product
HP	HP E27m G4 QHD USB-C Conferencing Monitor	Monitor	United States	4.8.1.2	Product specific greenhouse gas emissions - product carbon footprint	Optional	Demonstrated Nonconformance	Manufacturer provided evidence demonstrating conformance
Hyundai IT America Tech Corp.	HYUNDAI R247DPN	Monitor	United States	4.8.1.2	Product specific greenhouse gas emissions - product carbon footprint	Optional	Demonstrated Nonconformance	Manufacturer unselected the criterion
Lenovo	ThinkStation P350 Tower (CTO Gold)	Workstation	United States	4.8.1.2	Product specific greenhouse gas emissions - product carbon footprint	Optional	Demonstrated Nonconformance	EPEAT archived product
Positivo Tecnologia S.A.	MASTER ELEVA N6340	Notebook	Brazil	4.5.1.1	Conformance to current ENERGY STAR® program requirements	Required	Insufficient evidence to demonstrate conformance	CAB archived product
Positivo Tecnologia S.A.	T2040	Tablet / Slate	Brazil	4.5.1.2	Lowest power mode limit	Required	Demonstrated Nonconformance	Manufacturer provided evidence demonstrating conformance
Zebra Technologies	Zebra L10 Rugged Tablets (XPAD, XSLATE, XBOOK)	Tablet / Slate	United States	4.5.1.1	Conformance to current ENERGY STAR® program requirements	Required	Demonstrated Nonconformance	Manufacturer provided evidence demonstrating conformance

<i>Document Control and Change History</i>						
<i>Issue</i>	<i>Revision</i>	<i>Owner</i>	<i>Approver</i>	<i>Description</i>	<i>Approval Date</i>	<i>Effective Date</i>
1	0	EPEAT Conformity Assurance Manager	Director, EPEAT Program	Initial release		
1	1	EPEAT Conformity Assurance Manager	Director, EPEAT Program		2018 Dec 11	2018 Dec 11
2	0	Senior Manager, Ecolabels and Resources	Senior Director, Ecolabels and Manufacturer Resources	Reformatting of document. Addition of standardized text.	2021 Mar 25	2021 Mar 30