

# Green Electronics Council Overview

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CEO

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**Green Electronics Council (GEC) collaborates to achieve a world in which only sustainable IT products and services are designed, manufactured, and purchased.**

**We advocate for sustainable electronics by helping both manufacturers and large-scale purchasers to:**



**UNDERSTAND**  
the challenges facing  
sustainable IT



**COMMIT**  
to address those  
challenges



**ACT**  
to change internal  
operational, manufacturing  
and procurement behaviors

# GEC SUPPORTS INSTITUTIONAL PURCHASERS

GEC seeks to fulfill our mission by **supporting large-scale purchasers to buy** sustainable electronic products and services **as a way to incentivize producers to make** sustainable electronic products



## GEC Freely Available Tools and Resources

- ✓ Sustainable Procurement Policy examples
- ✓ IT products contract language examples
- ✓ **Purchaser Guides**
  - **Cloud Services** Procurements (launched March 2019)
  - **Labor and Human Rights** (2017 version being updated in 2020)
  - Procurement for **Circular Economy** (December 2019)
- ✓ Case studies
- ✓ **Sustainable Procurement Training** (personalized to receiving organization(s))
- ✓ Webinars (2019)
  - ✓ Smart Cities Series
  - ✓ Public-Private Purchaser Series
- ✓ **EPEAT, leading global “Type 1” ecolabel**
  - EPEAT Benefits Calculations
  - EPEAT Purchaser Recognition and Awards

# PURCHASERS GUIDE FOR CLOUD SERVICES

- Addresses purchasers' desire to identify and claim sustainability benefits associated with their migration to cloud services
- Builds on GEC's research project with Arizona State University
- GEC assembled a multi-stakeholder Working Group
  - Representatives from industry, procurement, NGOs, consultancies, and the European Commission's Joint Research Group developing GPP for datacenters
- Addresses purchaser expectations in the areas of:

Cloud Service  
Providers  
Practices and  
Policies

Data Center  
Facility and  
Equipment

Data Center  
Power Sources

# UPDATING THE “LABOR AND HUMAN RIGHTS IMPACTS” PURCHASER GUIDE

Commitment to addressing labor and human rights

Supplier risk screening

Assessing suppliers

Corrective action

Continuous improvement

Capacity building

Reporting

External collaboration

Responsible sourcing

Raw materials extraction

**March 2020:**

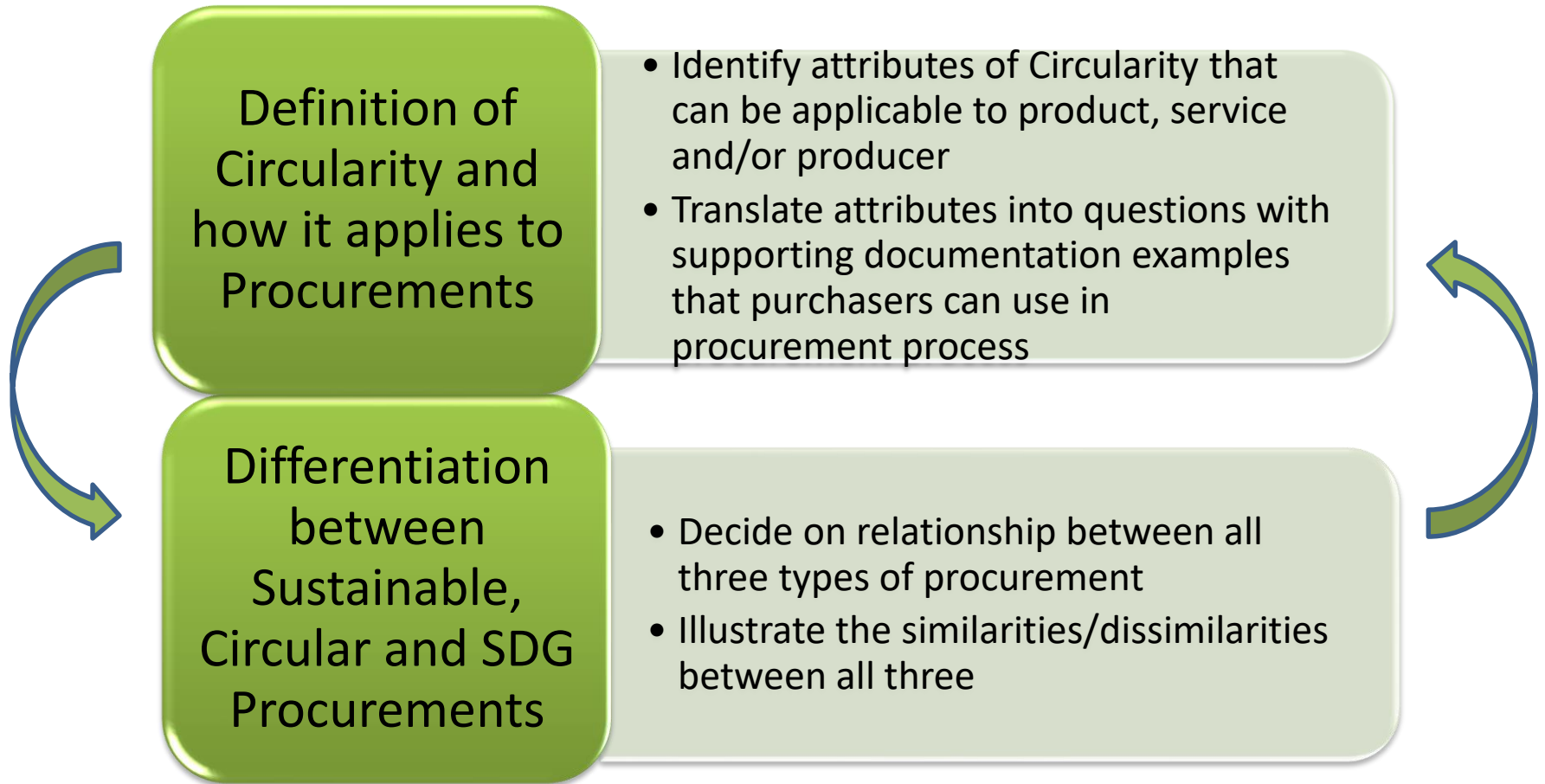
Formulating Working Group

**June 2020:** Draft of Updated Questions

**August 2020:** Publication

**September 2020:** Featured at ERA/GEC procurement workshop in EU

# PURCHASER GUIDE FOR CIRCULARITY



**Working Group Members:** Kohler, Samsung, Subaru, Flex, Whirlpool, **Canadian Government, Netherlands Government**, Responsible Business Alliance (RBA), Xerox, EachThing, Center for Responsible Business (India), and others.....

# GEC SUSTAINABLE PROCUREMENT TRAINING

GEC applies a “*Procurement First*” philosophy to our sustainable procurement training – ensuring procurement best practices drive the content.

Workshop helps participants:

- Tactics applicable to all products and services, special focus on IT
- Commodity prioritization and sustainable specification development
- How to embed sustainability into the procurement process
- Approaches to reporting sustainable spend
- Once built, how to maintain a sustainable purchasing program



## Free Sustainability Trainings

2018: Connecticut and Vermont

2019: Maryland, Pennsylvania, Association for the Advancement of Sustainability (AASHE)

## 2020

February: [Higher Ed Climate Leadership Summit](#)

July: [State of CA Higher Ed Sustainability](#)

August: [Institute for Public Procurement \(NIGP\)](#)





**SEPTEMBER 2020**

**SUMMER COURSE  
PUBLIC PROCUREMENT AND SUSTAINABILITY**

**TRIER, GERMANY**





# WHAT PRODUCTS DOES EPEAT COVER?

## Current Categories



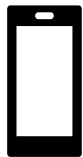
**PC/Display**



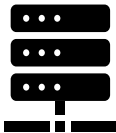
**Imaging Equipment**



**Televisions**



**Mobile Phones**



**Servers**

## Upcoming Categories



**PV Modules & Inverters**

*June 2020*



**Network Infrastructure**

*November 2020*

Access EPEAT product categories via

[www.greenelectronicscouncil.org/epeat/registry](http://www.greenelectronicscouncil.org/epeat/registry)

# EPEAT AND US FEDERAL ACQUISITION REGULATIONS

## Federal Acquisition Requirements (FAR):

FAR Part 23.103A states:

*(a) Federal agencies shall advance sustainable acquisition by ensuring that 95 percent of new contract actions for the supply of products and for the acquisition of services (including construction) require that the products are—*

*(4) Environmentally preferable (e.g., EPEAT®-registered, or non-toxic or less toxic alternatives);*

FAR 23.704 (a)(1) states:

*“...agencies, when acquiring an electronic product to meet their requirements, shall meet at least 95 percent of those requirements with Electronic Product Environmental Assessment Tool (EPEAT®)-registered electronic products..”*

*FAR 23.705 specifically applies requirement to both products and support services at Government owned or operated facilities.*

- 52.223–13 Acquisition of EPEAT®- Registered Imaging Equipment.*
- 52.223–14 Acquisition of EPEAT®- Registered Televisions.*
- 52.223-16 Acquisition of EPEAT Registered Personal Computer Products.*



# EPEAT AND US FEDERAL PURCHASERS

## History of US Federal EPEAT Purchaser Award Winners

Brookhaven National Laboratory	East Tennessee Technology Park	U.S. Department of Agriculture
DEA Chicago Field Division	El Paso Intelligence Center	U.S. Department of Energy Office of Legacy Management
DEA Miami Southeast Laboratory	Federal Law Enforcement Training Center	U.S. Department of Homeland Security
DEA North Central Laboratory	Fermi National Accelerator Laboratory	U.S. Department of Veterans Affairs
DEA Office of Investigative Technology	Lawrence Berkeley National Laboratory	U.S. Department of Veterans Affairs, Office of Information & Technology
DEA Office of Training	Missile Defense Agency	U.S. DOT Volpe Center
DEA Southwest Laboratory	National Renewable Energy Laboratory	U.S. Environmental Protection Agency, Region 5
DEA Western Laboratory	Oak Ridge Associated Universities (ORAU)	U.S. EPA Region III
DOE East Tennessee Technology Park	Office of Scientific and Technical Information	U.S. General Services Administration
DOE Office of Legacy Management	Princeton Plasma Physics Laboratory	Y-12 National Security Complex
DOE Portsmouth Gaseous Diffusion Plant	Sandia National Laboratories	
DOE Thomas Jefferson National Accelerator Facility		

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## EPEAT Providing Cost Savings for US Taxpayers

- GEC received and analyzed a dataset provided by OMB of fiscal year 2019 EPEAT purchases through Federal IT “Best in Class” contracts.
- GEC calculated the cost savings and environmental benefits for fiscal year 2019 and **by deciding to buy EPEAT registered products, the US Federal government saved taxpayers over \$28.5 Million dollars** in lifetime cost savings.



# THE POWER OF THE US STATE PURCHASER

- State IT spend exceeded \$51B in 2018 and continues to grow
- Aggregating state purchaser demand **drives markets** and supply chains toward sustainability
- IT decisions that include sustainability requirements
  - promote business resiliency,
  - result in cost savings,
  - build healthier and economically viable local communities

## THE TOP 10 IT SPENDING IN 2019

### STATES

- California / \$8.2B
- New York / \$4.3B
- Texas / \$2.9B
- Illinois / \$2.7B
- Pennsylvania / \$2.6B
- Florida / \$2.3B
- Ohio / \$2.2B
- Massachusetts / \$1.9B
- Virginia / \$1.6B
- North Carolina / \$1.5B

### COUNTIES

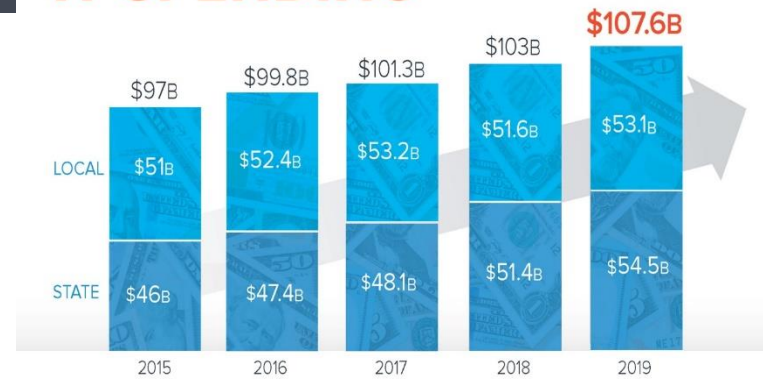
- New York City\* / \$1.7B
- Los Angeles County / \$655M
- San Francisco\* / \$220M
- Philadelphia\* / \$189M
- Fairfax County / \$159M
- Miami-Dade County / \$157M
- Santa Clara County / \$139M

### CITIES

- Chicago / \$213M
- Los Angeles / \$197M
- Seattle / \$117M
- Houston / \$107M
- Portland / \$102M
- Phoenix / \$88M
- Austin / \$80M

2019

## STATE & LOCAL ANNUAL IT SPENDING



State and Local IT expenditures data from  
GovTech Navigator



# GEC AND NASPO VALUEPOINT

## A Strategic and Fruitful Partnership

EPEAT's almost 10 years of partnership with NASPO ValuePoint (NVP) has helped make almost **\$8B worth of contract portfolios** sustainable!

### NVP Portfolios with EPEAT Specifications

- ✓ Wireless Data, Voice, and Accessories (2019) (~\$7B)
- ✓ Computers Equipment, Peripherals & Related Services (~\$2B)
- ✓ Copiers, Printers, & Related Devices (~\$135M)

### 2019 Joint Activities

- ❖ NASPO Practical Guide 3<sup>rd</sup> Ed. Chapter on Sustainability
- ❖ Co-hosted two webinars for NASPO membership:
  - EPEAT Benefits Calculation Tools
  - <sup>13</sup>Making NVP Portfolios more Sustainable



# 2020 PARTNERSHIP ACTIVITY– GLOBAL PURCHASER MENTOR MAP

Allows procurement professionals to:

- Better **understand** the markets with which they engage
- **Share** information on policies and/or approaches they can **leverage** to lessen their workload
- **Connect** with fellow professionals – by geography and/or procurement category focus

Location World Map



World Population Map



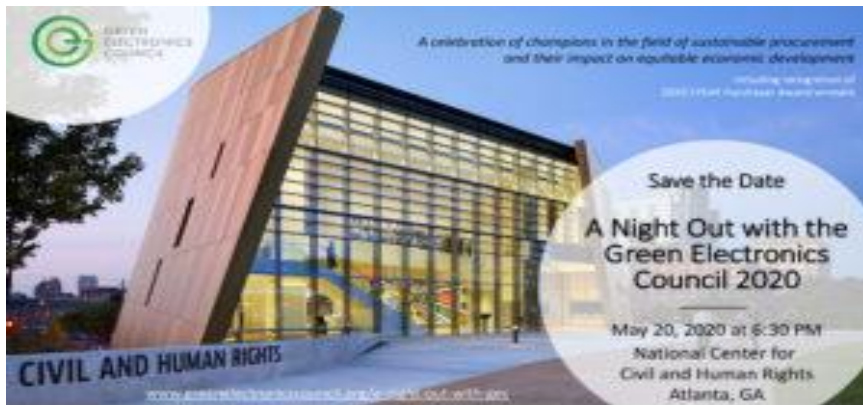


# EPEAT PURCHASER AWARD WINNERS!

2019 Award Ceremony had 59 Winners representing more than **\$90M in cost savings** based on their 2018 purchases.



**SAVE THE DATE: 2020 Purchaser Awards** Atlanta, Georgia May 20<sup>th</sup>



*A celebration of champions in the field of sustainable procurement and their impact on equitable economic development*



# EPEAT CSR CRITERIA – COMPUTERS & DISPLAYS

## 4.10 Corporate social responsibility

### 4.10.1 Socially responsible manufacturing

4.10.1.1 – Socially responsible manufacturing: OHS

4.10.1.2 – Socially responsible manufacturing: Labor

### 4.10.2 Conflict Minerals

4.10.2.1 – Public Disclosure regarding conflict minerals in products

4.10.2.2 – Participation in an in-region program that advances responsible sourcing of conflict minerals

4.10.2.3 – Smelter and refiner participation in OECD-aligned third party mechanisms



# GEC FOCUSING ON SMALL & MEDIUM BUSINESSES

## **Micro, Small and Medium Enterprises**

GEC follows the International Telecommunication Union (ITU) definition of micro, small and medium enterprises. \*  
The ITU is the UN specialized agency for information and communications technologies.

	<b>Characteristics</b>
<b>Micro</b>	1-9 employees ≤ €2M / US \$2.5M revenue Not subsidiary; Privately held
<b>Small</b>	10-49 employees ≤ €10M / US \$12.5M revenue Not subsidiary; Privately held
<b>Medium</b>	50-249 employees ≤ €50M / US \$65M revenue Not subsidiary; Privately held

\* <https://www.itu.int/en/action/entrepreneurship/Pages/default.aspx>  
[https://www.itu.int/dms\\_pub/itu-s/oth/06/36/S06360000013301PDFE.pdf](https://www.itu.int/dms_pub/itu-s/oth/06/36/S06360000013301PDFE.pdf)

- GEC recognizes that MSMEs can find it challenging to meet the EPEAT criteria documentation requirements
- Additional ways GEC is supporting MSMEs:
  - Data acquisition and retention training
  - Mentoring program linking MSMEs within electronics supply chain to global brands
  - Working with purchasers on sustainable socio-economic preferences

# GEC AND COMMON CRITERIA

**Common criteria – corporate and product** requirements that apply to all EPEAT product categories to further harmonization and reduce workload on manufacturers, Conformity Assurance Bodies (CABs) and EPEAT Program staff.

Application Step	Rollout
1. Complete Common Criteria (Voluntary Consensus Processes)	Q4 2020
2. Evaluate Common Criteria against EPEAT Qualification of Criteria policy for adoption by EPEAT Program	Q1 2021
3. Review existing EPEAT product and corporate criteria and remove existing criteria that are duplicative to Common Criteria, resulting in single list of criteria for <b><u>each</u></b> product category  Develop timeline for implementing resulting criteria updates for each category. Provide to EPEAT TAC for feedback.  EPEAT team creates rollout plan for launch of updated criteria	Q2 2021
4. EPEAT launches rollout of updated criteria for <b><u>each</u></b> product category.	Q3 2021

# GEC PARTNERSHIPS & PROCUREMENT



Advanced Technology  
Academic Research Center



ARCTIC

Alliance for  
Responsible,  
Circular &  
Transparent  
procurement  
of ICT



Institute will leverage up to **\$70 million in federal funding** to eliminate and/or mitigate the technical and economic barriers that prevent greater material recycling, recovery, remanufacturing and reuse.



Focus Group on Application  
of Distributed Ledger  
Technology (Blockchain)



Thank you!

ありがとうございました

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