

# Green Products Database Pilot- General Information Session

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Green Public Procurement Tool for Federal Assets Initiative

Tuesday September 24, 2024, 2-3PM EST Hybrid Event (Zoom)

140 O'Connor, L'esplanade Laurier, 22<sup>nd</sup> Floor

Ottawa, Ontario



# Today's Objectives:

- ◆ General information sharing about the Green Public Procurement Tool for Federal Assets Initiative (the “GPPT”) – what it is and what it's trying to do
  - ◆ Overview of the Green Product Database tool and what its capabilities are
  - ◆ Q&A
-

# Today's Agenda

Time	Content	Speaker
1:00-1:15	Welcome & PSPC overview	Angus O'Leary, Executive Director, PSPC Acquisitions Program  Stefanie Bowles, Manager, Green and Clean Technology Procurement Technical Team, Acquisitions Program
1:15-1:30	Supplier and stakeholder engagement overview	Jo-Anne St-Godard, Executive Director, Circular Innovation Council
1:30-1:45	Platform overview of the pilot Canadian version of the database: search filters and requirements	Paul Shahriari, Founder and Chief Innovation Officer, ecomedes
1:45-1:50	Closing Remarks	Stefanie Bowles
1:50-2:00	Questions and answers	
<b>Duration: 1 hour</b>		

# Public Services and Procurement Canada: Overview

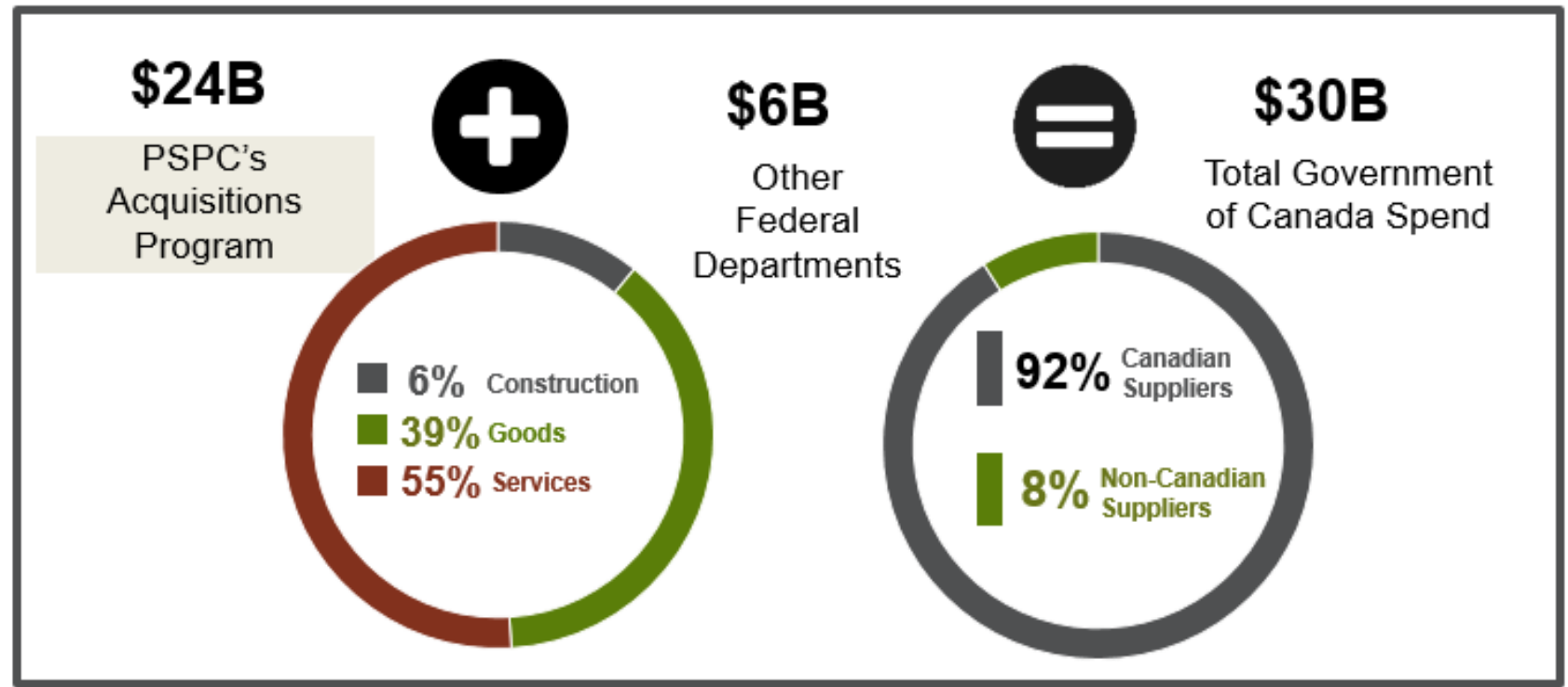
**PSPC** is the central federal purchasing agent and real property manager for the Government of Canada

**Vision:** to excel in government operations

**Mission:** to deliver high-quality, central programs and services that ensure sound stewardship on behalf of Canadians and meet the program needs of federal institutions

The GoC owns approx. 32,000 buildings, 20,000 engineering assets and 40,000 fleet and is the largest asset owner in Canada.

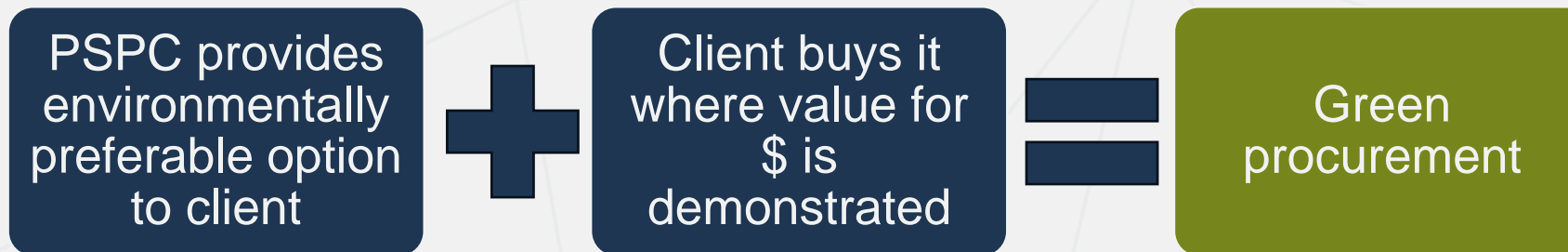
Average Annual Value of Federal Procurement over 3 Fiscal Years: 2019-2020 to 2020-2021



Source: PSPC Business Analytics Services Directorate 2023

# Policy on Green Procurement, 2006

- ◆ PSPC will: “include environmentally preferable options (i.e. that have a lesser or reduced impact on the environment over the life cycle of the good or service, when compared with competing goods or services serving the same purpose) in the procurement services offered to client departments where feasible.”

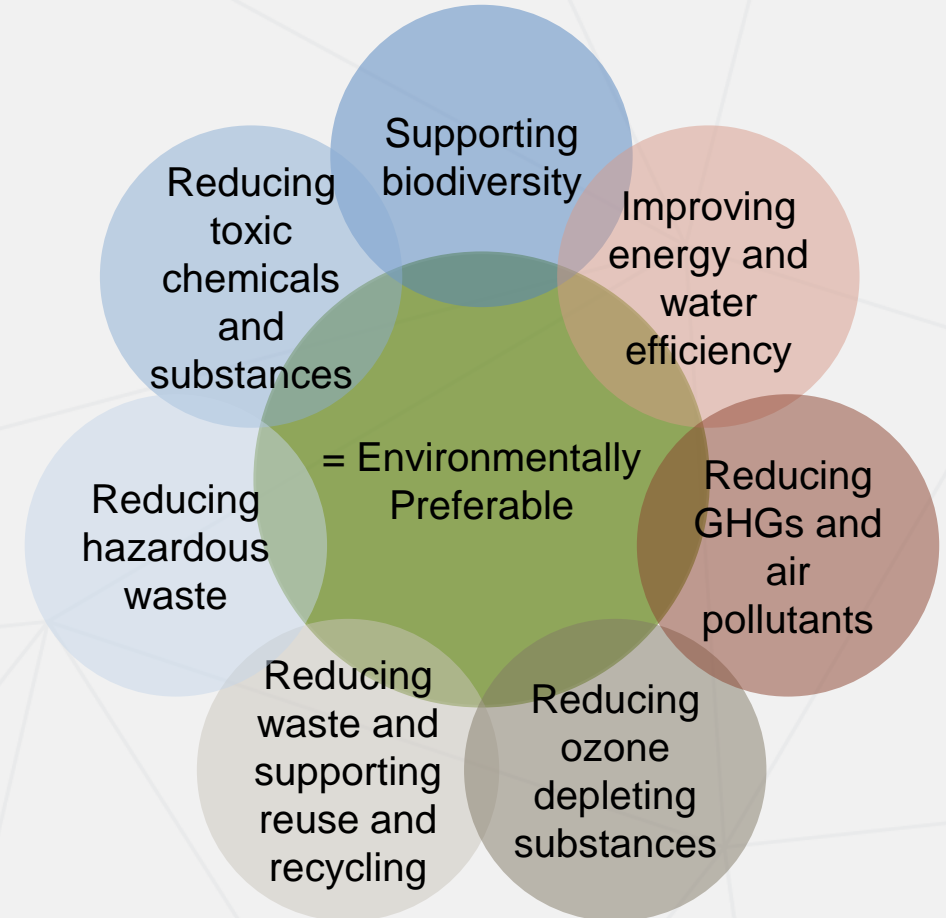


# Definition of “Green” or environmentally preferable

*“Environmentally preferable goods and services are those that have a lesser or reduced impact on the environment over the life cycle of the good or service, when compared with competing goods or services serving the same purpose. Environmental considerations include, among other things: the reduction of greenhouse gas emissions and air contaminants; improved energy and water efficiency; reduced waste and support reuse and recycling; the use of renewable resources; reduced hazardous waste; reduced toxic and hazardous substances; and biodiversity.”*

*- Policy on Green Procurement*

- Canada’s Competition Bureau requires that environmental claims must not be false or misleading and must be based on adequate and proper testing



# Objectives of the GPPT

## Primary objective:

- ◆ To help buyers (contracting authorities) and clients to easily identify green and cleantech products

## Secondary objectives:

- ◆ Enable PSPC to meet its responsibilities under the Policy on Green Procurement to provide verified and up-to-date environmentally preferable options to client departments
- ◆ Align green procurement requirements with the U.S. and other public procurers to better signal market demand
- ◆ Increase green and clean technology procurement and support Canadian SMEs





# Configuring a Canadian Green Product Search Tool

## What is it?

- Customized and configured (“Canadianized”) version of a certified environmentally preferable products database used by the United States General Services Administration and other large institutional buyers in the U.S. (e.g. universities, the Sustainable Purchasing Leadership Council etc.) in procurement and real property applications

The screenshot shows the GPPT website interface. At the top left is the GPPT logo. To its right is a search bar containing the number 33909 and a location pin icon. Further right are navigation links for PROJECTS, PRODUCTS, and Sign Up/Login. Below the header is a search bar with the placeholder text "Search products by name, brand" and a magnifying glass icon. To the left of the search bar is a sidebar menu with expandable sections: Search by Impact (with sub-items: Carbon Impact (563,901), Circularity Impact (23,405), Energy Impact (593,815), Health Impact (150,464), ROI Impact (639,139), Water Impact (45,324)), Product Category, Brand, Certifications and Ecolabels, Certifiers, and Rating Systems. Below the search bar is a disclaimer in English and French, followed by the logos of Public Services and Procurement Canada and Services publics et Approvisionnement Canada. At the bottom, there is a section titled "Select a category to begin your work" with six category icons: Appliances, Cafeteria, Ceilings, Construction Materials, Doors + Windows, and Electronics / IT.



# Consultation & onboarding process per category

**Stage 1:** Collect multiple streams of input and review research findings:

- ❑ What certifications and programs are currently used by Canadian manufacturers?
- ❑ What do other levels of government, other stakeholders specify?
- ❑ Once we know the relevant certifications and programs, are there product registries?

**Stage 2:** Draft Product Filter Recommendations and ecodata requirements

- ❑ Draft filter language along with market data availability shared with procurement teams for review
- ❑ PSPC shares the draft filter pilot requirements and data structure back with stakeholders for feedback prior to Sn. management decision (\*if possible)

**Stage 3:** Ecomedes launches pilot product filters into [canada.ecomedesdemo.com](http://canada.ecomedesdemo.com)

- ❑ Onboard the registries of certified products or programs where performance testing can be verified
  - these go into the large ecomedes database used in the U.S. also
- ❑ Manufacturers can enrich their product data with more attributes

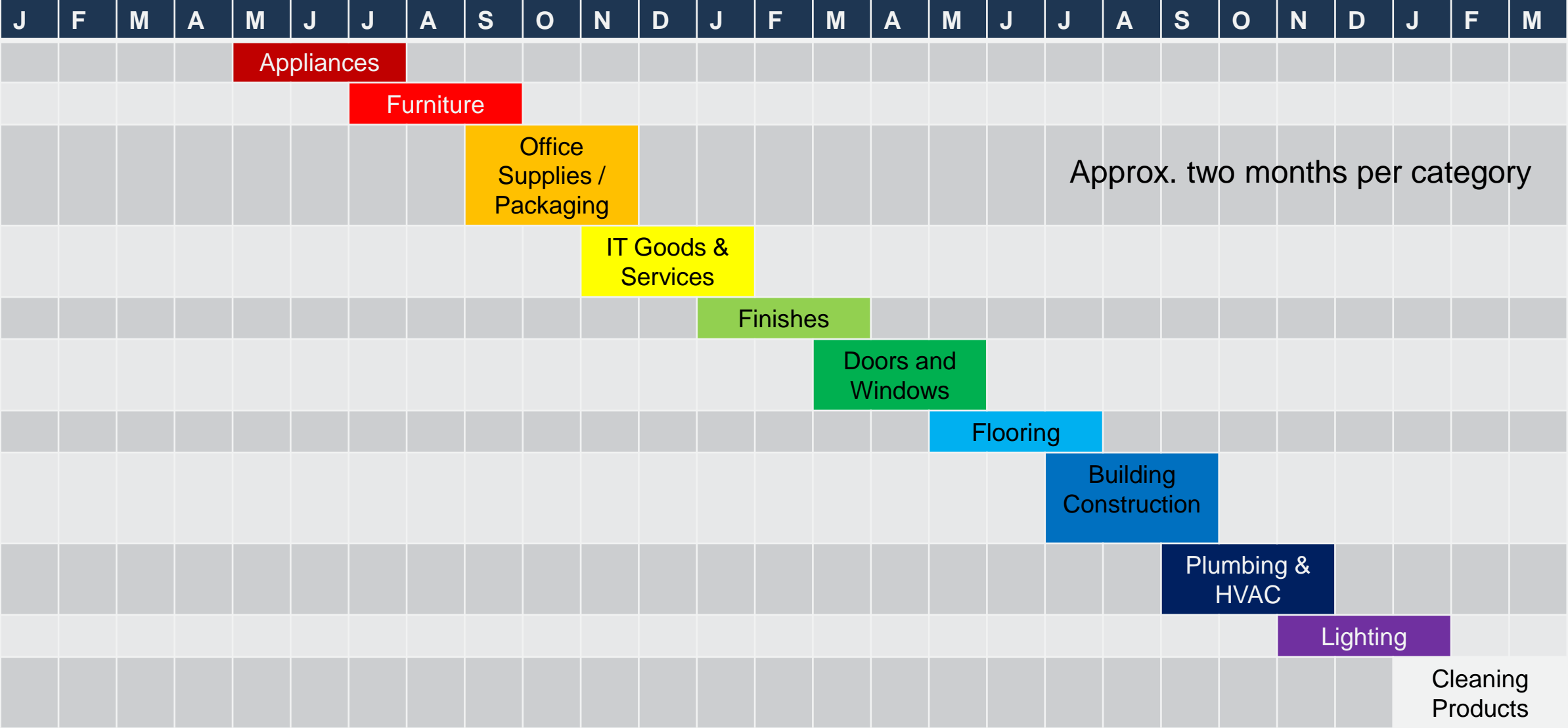
**Stage 4:** Move new filters into ecomedes production [Canada.ecomedes.com](http://Canada.ecomedes.com)

# PSPC Product Category Filter Development Schedule

2024

2025

2026



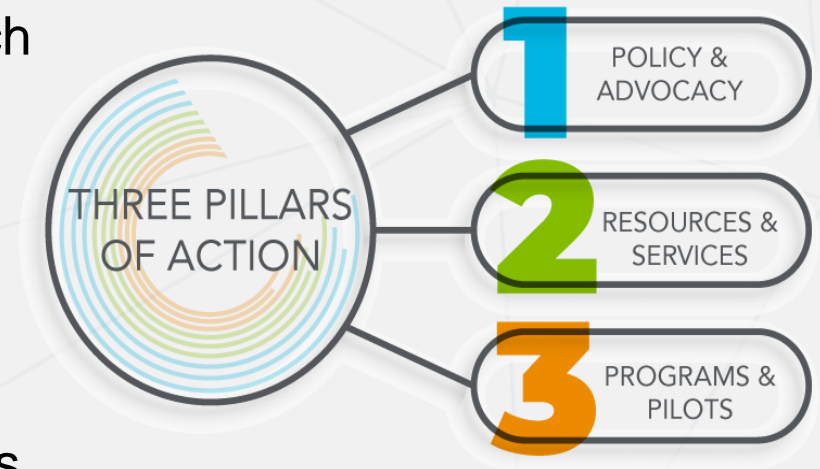
Approx. two months per category

# How we intend to use the GPPT in Canada – pilot phase

- ◆ Internally: as a research tool to share information between clients and buyers about available environmentally preferable products including those from Canadian cleantech SMEs
  - ◆ Externally: available publicly to anyone, the database is a public source of third-party verified environmental information that is up-to-date (database updated monthly) and available for use across supply chains and product categories
  - ◆ As more Canadian products are added and as the certifications are vetted, there is the potential that its use be incented or required in procurement processes and in real property contracting
-

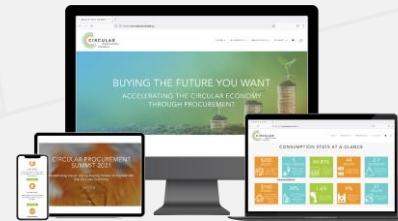


- Formerly Recycling Council of Ontario, with 40 years of expertise in circular policies, programs, standards and research
- Research and promote best practices
- Act as a collaborator, convening public and private sector interests
- Unique membership: spans entire value and supply chains
  - Governments at all levels; industry producers, corporations, SMEs, collectors, processors; academia, researchers; start-ups; community





# OUR CIRCULAR PROCUREMENT JOURNEY



# GPPT Customization Methodology

- ◆ Review and summarize existing U.S. GSA and other environmental labels and product certifications available within ecomedes platform
- ◆ Research additional relevant Canadian product-focused environmental labels and certifications
- ◆ Stakeholder engagement including
  - ◆ Virtual consultations, based on product categories
  - ◆ Stakeholder feedback survey (online)
  - ◆ Targeted engagements: industry associations, domestic manufacturers, etc.
- ◆ Based on stakeholder feedback, propose environmental labels and other data sources (*third party verified*) that reflect environmental preferability relevant to domestic Canadian perspective
- ◆ PSPC finalizes product category filters selection
- ◆ Import into GPPT



# Methodology

- ◆ The assessment of domestic product category filters includes procedural, economic, environmental, social considerations

## Procedural

- Process for developing the certification
- Were Canadian Stakeholders involved?
- Relationship to international standards
- Other Canadian Certifications
- Verifying bodies
- Costs /Fees

## Economic

- Market penetration
- Market readiness
- Current certifications in use

## Environmental

- Consideration of multiple impacts
- Consideration of life cycle impacts
- Key environmental criteria considered

## Social

Consideration in certifications of:

- Diversity and inclusion
- Indigenous reconciliation
- Labour practices
- Persons with disabilities
- Economic equality



# Stakeholder Consultations

- ◆ Strive to engage with diverse stakeholders to capture a wide variety of insight and perspectives to support the legitimacy of the customization of the GPPT for Canada.
- ◆ Stakeholders comprised of:
  - ◆ Active suppliers registered with Government of Canada
  - ◆ CIC's business contacts and wider network

## Key Objectives

- ◆ Gather insight on eco and third-party certifications for each product category
- ◆ Solicit feedback on the benefits and obstacles of such ecolabels/ and certifications
- ◆ Identify additional certifications, standards and ecolabels that should be considered
- ◆ Solicit recommendations and considerations for the GPPT tool

# Scope of Product Category Consultation

Appliances



Building Construction



Cleaning Products



Doors and Windows



Flooring



Finishes



HVAC



IT – Office Electronics



Lighting



Office Furniture



Office Supplies and Packaging



Plumbing



# Virtual Consultation Dates (Tentative)

Product Category	Subcategories	Consultation Dates
Office Furniture	Building Furnishings (e.g., Office Seating (Rotary, Office and Side) (chairs), Cat 1 to 6 Office Furniture: Panels, Tables, Cabinets, lighting, Collaborative furniture)	October 9, 2024
Office Supplies and Packaging	Office Supplies and Packaging (e.g, Office Supplies, Office Paper, Envelopes, Flat Printing, Packaging, Paper, Shipping, Packing Supplies)	October 10, 2024
IT Goods	Office Electronics	October 21, 2024
Finishes	Building Finishes (e.g., Paints & Coatings, Ceilings, Grids & Trim)	October 23, 2024
Flooring	Carpet, tiles, hardwood	October 22, 2024
Building Construction	Cement & Concrete, Sealants, Adhesives, Insulation	October 24, 2024
Doors and Windows	Curtain wall assemblies, entrances and store fronts, glazing, hardware	October 24, 2024

# Virtual Consultation Dates continued

Product Category	Subcategories	Consultation Dates
Cleaning Products	Glass Cleaners, Floor Cleaners, Hand Cleaners, General Purpose	January/February 2025
Lighting	Lighting and Ceiling Fans (e.g., Light Bulbs, Fixtures, Horticulture Lighting)	January/February 2025
HVAC	HVAC (e.g., Air Conditioning, Heat Pumps, Water Heaters)	January/February 2025
Plumbing	Plumbing Systems (e.g., Faucets, Toilets, Shower heads, Accessories)	January/February 2025
Others TBC		

**To register, visit:**

<https://circularinnovation.ca/pspc-consultation-sessions-and-registration/>

# Introduction to ecomedes



**ecomedes MISSION**

**Simplify **Product Research** and  
Accelerate **Sustainable Procurement**  
by automating the **Search** for sustainability data,  
automating compliance **Analysis** and  
streamlining **Documentation & Reporting****

# Topics we will cover

- Introduction to Ecomedes
  - Ecomedes Technology Overview
- Canada.ecomedes.com Platform Overview
  - What the platform is designed to support
  - Data Flows into the system
  - Platform Tour
    - Signup for a test account
    - Search & Discovery
    - Product Analysis & Documentation
    - Creating a Project/Procurement for Analysis & Documentation
    - User Impact Dashboard
- Q&A



# Ecomedes Technology

## Data Collection & Curation

3rd Party Product Ecolabels + Certifications + Standards + EcoDATA registries

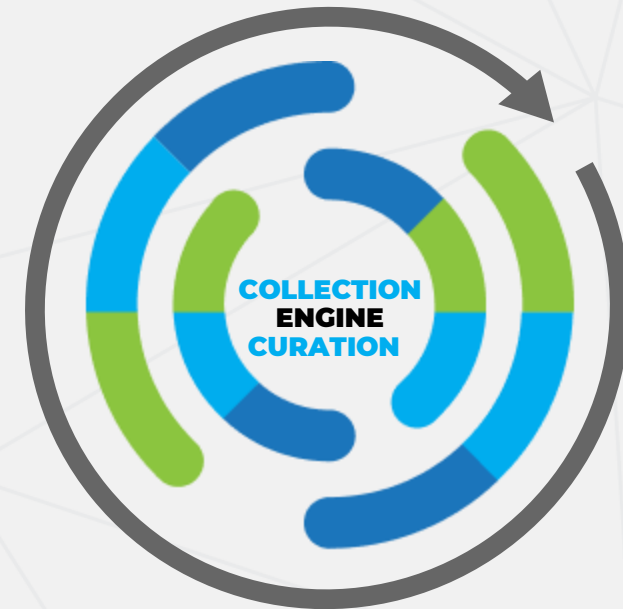


### Data Enrichment

Building Product Manufacturer Sourced:

- Company / Organizational Attributes
- Brand / Product Assets
- Product Performance Attributes
- Adjacent Brand Resources

Refreshed Monthly



Largest Curated Product Database in the market

~10,000 Brands      ~1,200,000+ Products

~100+ Ecolabels / Certifications / Standards

~60+ Registry Sources

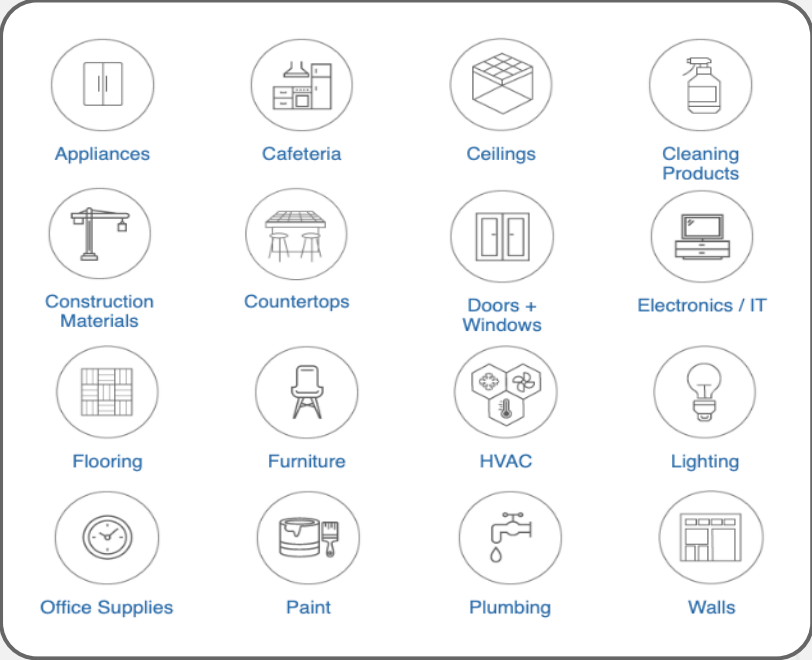
~3,000 Unique Brand/Factory/Product Attributes



# Ecomedes Technology

Automated Alignment & Analysis drives marketplace empowerment

## Sustainability Impact Frameworks



Digitally Vetted Compliant Product Catalogs are needed to meet project and procurement demands

## Green Project & Procurement Frameworks

# Ecomedes Technology

Automated Alignment & Analysis delivers data driven decision making

Herman Miller Aeron® Chair Plastic Base / AER_PLAS_EU	
Category	Working Furniture
Subcategory	Furniture
<p>Aeron originally combined a deep knowledge of human-centered design with innovative, never-before-seen technology to deliver a chair unlike any other. Remastered for today's work and workers, Aeron now offers greater weight distribution and suspension through 8Z-buckle, and adjustable PostureFit SL™ that supports both the sacrum and lumbar to better nurture the natural S-curve of the spine. Available in hot-baked material options, Aeron harmonizes with today's work plans.</p>	
<p>Is this your product? <a href="#">Contact us</a> to enrich product information or add product listings.</p>	
<h3>Certifications and Standards</h3>	
CA Section 01300	Yes
CPH Standard Method V1.2-2017	Yes
Conforms with LBC Red List Free Requirements	Yes
Environmental Product Declaration (EPD)	<p>Product Specific (EPD 10000)</p> <p>Certified by SFTool Contribution, LLC</p> <p>valid until 2027-01-27 to 2027-01-27</p>
Life Cycle Assessment	Yes
Life Cycle Assessment URL	<p>External Link</p> <p><a href="#">External Link</a></p>
Living Building Challenge Decal	<p>LBC Red List Approved SFPM 0214, version 2</p> <p>valid until 2024-11-01</p>
SCS Indoor Advantage Gold	<p>Furniture (SCS-100-04813)</p> <p>Certified by SCS Global Services</p> <p>valid until 2024-02-01 to 2024-02-01</p>
Table conformance to certifications and standards	<p>External Link</p> <p><a href="#">External Link</a></p>
<h3>Human Health</h3>	
Ergonomic Strategy	Yes
Targeted Chemical Elimination	Yes
<h3>Planet Health</h3>	
Embedded Carbon (Cradle to Gate) - GWP (kgCO2e)	87.4
<h3>Recycled Content</h3>	
<p>The recycled content data from the manufacturing plant closest to the plant code setting is displayed first and used for calculating total content. Change the model code setting at the top of the page all materials and manufacturing plant content.</p>	
Recyclable	95%
Recycled Content - Post Consumer (%)	95.0%
Recycled Content - Pre Consumer (%)	95.0%
<h3>Materials</h3>	
Material Ingredient Disclosure	Yes
Material Ingredient Disclosure URL	<p>External Link</p> <p><a href="#">External Link</a></p>
<h3>Material Content</h3>	
Aluminum Content %	24%
Fabric Content %	1%
Fiberglass Content %	1%
Foam Content %	2%
Plastic Content %	40%
Steel Content %	28%
<h3>General</h3>	
Contact Email	Sustainability@HermanMiller.com
Contact Name	Sustainability
Designer	Bill Stumpf and Don Chidwick
Environmental Advocacy URL	<p>External Link</p> <p><a href="#">External Link</a></p>
Manufacturer Take Back Program	Yes
Manufacturer Take Back Program URL	<p>External Link</p> <p><a href="#">External Link</a></p>
Manufacturing Location(s)	Wixom, MI
MasterFormat Number	12.52.00
Product Page	<p>External Link</p> <p><a href="#">External Link</a></p>
Recyclable packaging	95%
Seating Flexibility	Yes

9  
Certs /  
Standards  
25  
Additional  
Data Points

## Sustainability Impact Frameworks



## Green Project & Procurement Frameworks

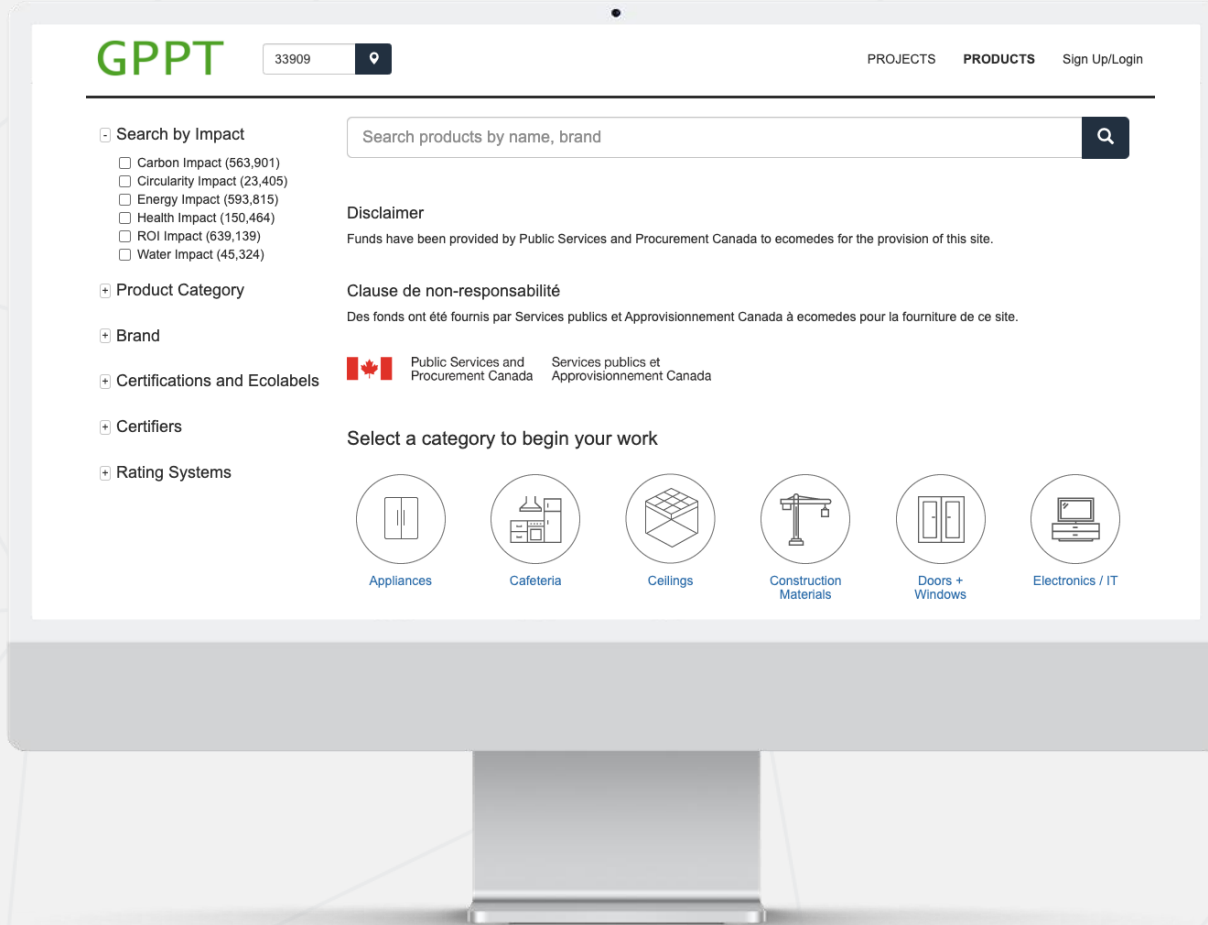
## Product Alignment & Compliance:

Materiality  
Transparency  
Circularity  
Health  
Carbon  
Energy  
Water  
Social

LEED  
WELL  
LBC  
GG  
SFTool  
mM

# Ecomedes Technology

## Platforms configured for Institutional Buyers



Canada.ecomedes.com

### How Does this Help You?

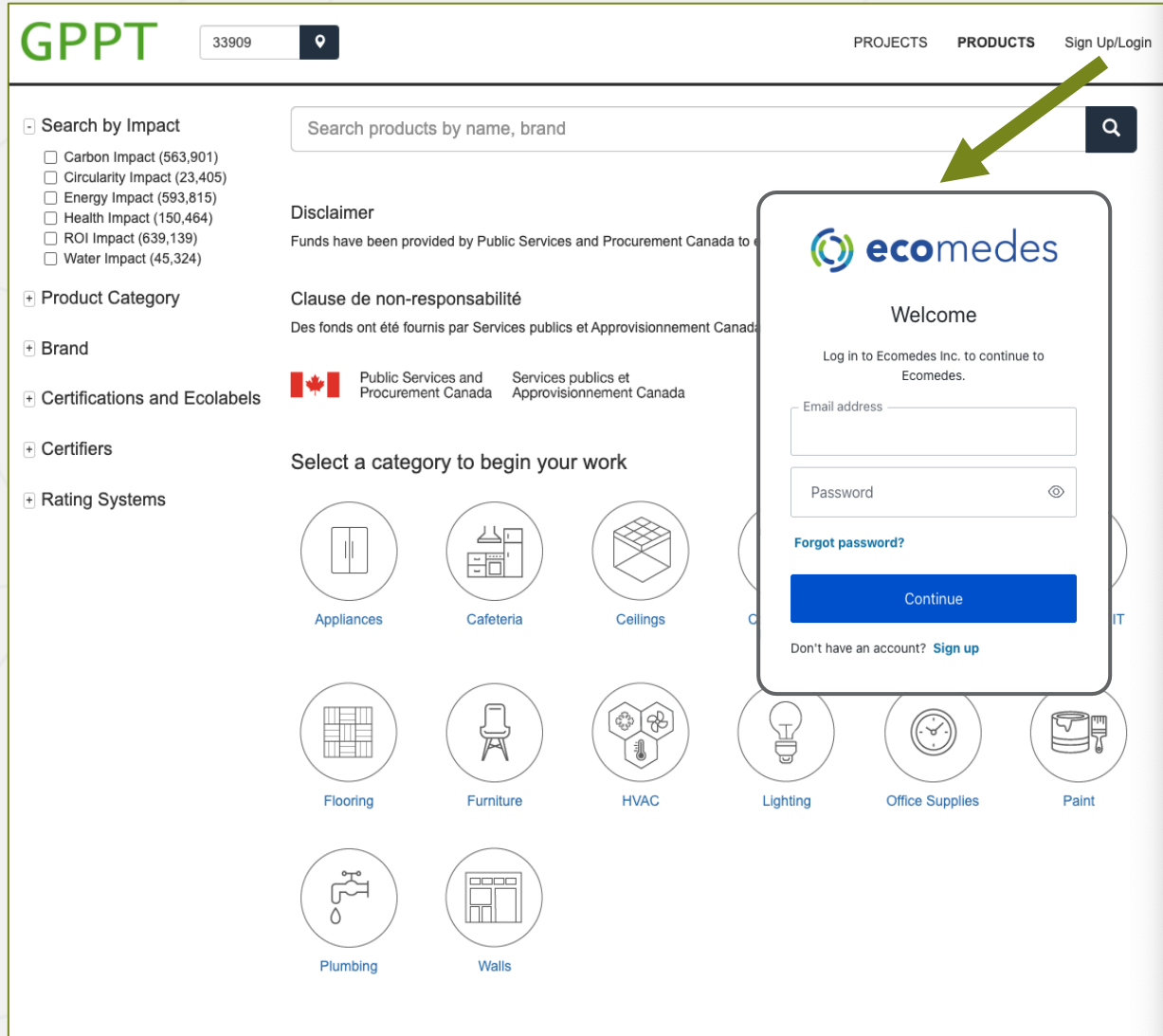
- The platform was designed to save you time
- Increase Green Procurement within Government
- Streamline Green procurement reporting for Agencies and Departments

### Some of the most common activities that the platform streamlines:

- **Searching** for products that meet the certifications, ecolabels, specifications, etc
- **Analyzing** product performance attributes
- **Documenting** procurement and project decisions
- **Sharing** Impact Reports with project team members

# Platform Tour

## Pilot Account Sign-up



The screenshot shows the GPPT website interface. At the top left is the GPPT logo and a search bar containing the number 33909. To the right are navigation links for PROJECTS, PRODUCTS, and Sign Up/Login. A search bar with the placeholder text "Search products by name, brand" is visible. A green arrow points from the search bar to a sign-up modal window.

**Search by Impact**

- Carbon Impact (563,901)
- Circularity Impact (23,405)
- Energy Impact (593,815)
- Health Impact (150,464)
- ROI Impact (639,139)
- Water Impact (45,324)

**Product Category**

**Brand**

**Certifications and Ecolabels**

**Certifiers**

**Rating Systems**

**Disclaimer**  
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Des fonds ont été fournis par Services publics et Approvisionnement Canada

**Select a category to begin your work**

- Appliances
- Cafeteria
- Ceilings
- Flooring
- Furniture
- HVAC
- Lighting
- Office Supplies
- Paint
- Plumbing
- Walls

**ecomedes**

Welcome

Log in to Ecomedes Inc. to continue to Ecomedes.

Email address

Password

[Forgot password?](#)

[Continue](#)

Don't have an account? [Sign up](#)

Simple Signup takes 1 minute & saves 100s of hours per year

- The Platforms are typically open to anyone who wants to simplify sustainable product search, analysis and documentation.
  - Procurement Teams
  - Vendor Teams
  - Project Teams
  - Manufacturer Teams
- Creating an account lets you:
  - Analyze Products and projects
  - Download product documentation
  - Save your work on projects

# Platform Tour

## Search & Discovery: Driven by Data

- Search by Impact
- Product Category
- Brand
- Certifications and Ecolabels
  - Over 50 to choose from
  - This can be configured to your needs
  - Additional Resources can be added

**GPPT** 33909 PROJECTS PRODUCTS Sign Up/Login

**Search by Impact** Search products by name, brand

**Product Category**

**Brand**

**Certifications and Ecolabels**

- +Vantage Vinyl® Verified (743)
- AFRDI Green Tick (15)
- ANSINISI 373 Sustainable Stone (38)
- ASSURE CERTIFIED™ (287)
- asthma & allergy friendly® (200)
- BIFMA LEVEL® (5,132)
- BioPreferred® (18,462)
- Blue Angel (1,706)
- C2C Certified (6,670)
- C2C Material Health Certified (378)
- Carbon Footprint Verification (4)
- Declare (5,789)
- DLC Qualified (403,819)
- EC3 Embodied Carbon (4,246)
- ECOLOGO Certificate (11,546)
- ENERGY STAR® Certified (85,078)
- Environmental Product Declaration (EPD) (29,307)
- EPEAT (52,982)
- EU Ecolabel (8)
- FloorScore (7,784)
- FSC® (5,647)
- Green Label Plus (20,167)
- Green Seal Certified (1,539)
- Green Squared Certificate (609)
- GreenCircle (13,855)
- Greenhealth Approved (138)
- GSA Contract (5,699)
- Health Product Declaration (HPD) (39,405)
- Intertek Clean Air Gold (2,344)
- Intertek Clean Air Silver (279)
- Life Cycle Assessment (LCA) (53,545)
- Living Product Challenge (201)
- Net Zero Challenge (5,802)
- NSF/ANSI 140 Carpet (19,428)
- NSF/ANSI 332 Resilient Floor Coverings (323)
- NSF/ANSI 342 Wallcoverings (1)
- NSF/ANSI 347 Single Ply Roofing Membranes (16)
- NSF/ANSI 51 Food Equipment Materials (79)
- PFAS Addressed (16,881)
- SCS Biodegradable Certified (5)
- SCS calCOMPliant - Phase 2 (148)
- SCS EPA TSCA Title VI Compliant (107)
- SCS Indoor Advantage Gold (6,200)
- SCS Lead Safe Paint (27)
- SCS No Added Formaldehyde (47)
- SCS No Added Urea Formaldehyde (4)
- SCS Recycled Content Certified (1,359)
- SCS Recycling Program Certified (1)
- TCO Certified (77,521)
- UL GREENGUARD (80,760)
- UL GREENGUARD Gold (79,000)

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**Select a category to begin your work**

- Appliances
- Cafeteria
- Ceilings
- Construction Materials
- Doors + Windows
- Electronics / IT
- Flooring
- Furniture
- HVAC
- Lighting
- Office Supplies
- Paint
- Plumbing
- Walls

**Certifiers**

**Rating Systems**

**Canada**

# Platform Tour

## Search & Discovery: Driven by Data

As you refine your search with left-hand navigation, you can discover products through a variety of paths

- **Product Category**
  - Furniture (40,765)
- **Certifications and Ecolabels**
  - BIFMA LEVEL® (4,995)
  - C2C Certified (21)
  - Declare (330)
  - EPD (197)
  - FSC® (645)
  - Health Product Declaration (HPD) (425)
  - Intertek Clean Air
  - Life Cycle Assessment (LCA) (72)
  - Living Product Challenge (30)
  - PFAS Addressed (1,658)
  - SCS Indoor Advantage Gold (7,898)
  - UL GREENGUARD (27,893)

**GPPT** 33909 PROJECTS PRODUCTS Sign Up/Login

Search by Impact View Comparison Impact Score ▼

Search products by name, brand

1 - 18 of 43,709 results

Filters: Building Furnishings X Furniture X

- + Search by Impact
- + Product Category
- + Product Subcategory
- + Product Type
- + Product Subtype
- + Brand
- Certifications and Ecolabels
  - AFRDI Green Tick (15)
  - BIFMA LEVEL® (5,123)
  - BioPreferred® (1)
  - C2C Certified (19)
  - Declare (353)
  - ENERGY STAR® Certified (2)
  - Environmental Product Declaration (EPD) (210)
  - EU Ecolabel (8)
  - FloorScore (3)
  - FSC® (681)
  - Greenhealth Approved (135)
  - GSA Contract (655)
  - Health Product Declaration (HPD) (501)
  - Intertek Clean Air Gold (1,175)
  - Intertek Clean Air Silver (271)
  - Life Cycle Assessment (LCA) (31)
  - Living Product Challenge (30)
  - PFAS Addressed (2,027)
  - SCS Indoor Advantage Gold (5,116)
  - SCS Recycled Content Certified (5)
  - UL GREENGUARD (28,350)
  - UL GREENGUARD Gold (22,860)
- + Certifiers

Product Cards:

- Doni Stack Chairs**  
KI  
Category Building Furnishings  
Subcategory Furniture  
add to documentation
- LimeLite Stack Chairs**  
KI  
Category Building Furnishings  
Subcategory Furniture  
add to documentation
- Maestro Stack Chairs**  
KI  
Category Building Furnishings  
Subcategory Furniture  
add to documentation
- Ruckus Stack Chairs**  
KI  
Category Building Furnishings  
Subcategory Furniture  
add to documentation
- Strive Stack Chairs**  
KI  
Category Building Furnishings  
Subcategory Furniture  
add to documentation
- Katera Cafe Stools**  
KI  
Category Building Furnishings  
Subcategory Furniture  
add to documentation



# Platform Tour

## Search & Discovery: Driven by Data

As you refine your search with left hand navigation, you can discover products through a variety of paths

- **Product Category / Subcategory / Type Refinement**
  - Furniture (40,765)
    - Seating (936)
      - **Task (187)**
- **Certifications and Ecolabels Refinement**
  - BIFMA LEVEL® (5,043)
    - LEVEL 1 (1,618)
    - LEVEL 2 (1,904)
    - **LEVEL 3 (1,521)**
- Brands that have Task Seating that have achieved BIFMA LEVEL 3 Certification are summarized in the left-hand navigation with product count.

- **Brand**
  - 9to5 Seating (4)
  - Affordable Interior Systems (AIS) (5)
  - Allseating (37)
  - Allsteel (75)
  - Andreu World (108)
  - ergoCentric Seating Systems Inc. (15)
  - Global Furniture Group (268)
  - Gunlocke (65)
  - Haworth (53)
  - HBF (20)
  - Herman Miller (90)
  - HON (73)
  - Humanscale (71)
  - Interstuhl (20)
  - KI (36)
  - Knoll (82)
  - Krug Inc. (32)
  - Pyrotech Workspace Solution Pvt. Ltd (9)
  - Steelcase (218)
  - Teknion (144)
  - VS Vereinigte Spezialmobelfabriken GmbH & Co. KG (96)

The screenshot displays the GPPT search interface. At the top, there's a search bar with '33909' and a location pin icon. The main navigation on the left includes sections for 'Search by Impact', 'Product Category', 'Product Subcategory', 'Product Type', 'Product Subtype', 'Brand', 'Certifications and Ecolabels', 'BIFMA LEVEL®', 'Certifiers', and 'Rating Systems'. The 'Certifications and Ecolabels' section is expanded, showing a list of certifications with checkboxes and counts: BIFMA LEVEL® (checked), AFRDI Green Tick (12), C2C Certified (2), Declare (21), Environmental Product Declaration (EPD) (13), FSC® (12), Greenhealth Approved (14), GSA Contract (8), Health Product Declaration (HPD) (13), Life Cycle Assessment (LCA) (12), Living Product Challenge (12), PFAS Addressed (103), SCS Indoor Advantage Gold (127), UL GREENGUARD (13), and UL GREENGUARD Gold (13). The 'BIFMA LEVEL®' section shows LEVEL 1 (52), LEVEL 2 (29), and LEVEL 3 (78). The 'Rating Systems' section lists USGBC, IWBI™, ILFI™, and GBI™. The main content area shows a search bar with 'Search products by name, brand' and a search icon. Below the search bar, it indicates '1 - 18 of 159 results' and 'Filters: Building Furnishings X Furniture X Seating X Task X BIFMA LEVEL® X'. The product results are displayed in a grid of 9 items, each with an image, brand name, product name, category, subcategory, and a set of certification icons.



# Platform Tour

## Rich Product Data at your fingertips

11 Hyperlinks to external ecoDATA resources to support decision making:

- Certification and Standards
  - BIFMA LEVEL® Certificate
  - CA Section 01350
  - CDPH Standard Method v1.2-2017
  - LBC Red List Free Requirements
  - EPD
  - LCA
  - SCS Indoor Advantage Gold
  - Textile Conformance
- Human Health
  - Ergonomic Strategy
  - Targeted Chemical Elimination URL
- Planet Health
  - Embodied Carbon (Cradle to Gate) - GWP
- Recycled Content
- Materials
  - Material Ingredient Disclosure URL
- Manufacture Product Page Resources

**Herman Miller Aeron® Chair Aluminum Base / AER\_ALUM\_EU**

Category: Building Furnishings  
Subcategory: Furniture

Aeron originally combined a deep knowledge of human-centered design with innovative, never-before-seen technology to deliver a chair unlike any other. Remastered for today's work and workers, Aeron now offers smarter weight distribution and suspension through iCPHilicel, and adjustable PostureFit SL™. Post supports both the lumbar and lumbar to better mirror the natural S-curve of the spine. Available in four holistic material expressions, Aeron harmonizes with today's work places.

Buttons: Add to Project, Contact Manufacturer, Rating System Credits, Get PDF

**Certifications and Standards**

CA Section 01350	Yes
CDPH Standard Method V1.2-2017	Yes
Conforms with LBC Red List Free Requirements	Yes
Environmental Product Declaration (EPD)	Yes

Product Specific (EPD10431)  
Certified by NSF Certification, LLC  
valid 2022-01-27 to 2027-01-27  
Product Specific (EPD10431)

Life Cycle Assessment  
Life Cycle Assessment URL: External Link (in Q)

SCS Indoor Advantage Gold  
Furniture (SCS-IAG-04843)  
Certified by SCS Global Services  
valid 2019-02-02 to 2026-06-01

Textile conformance to certifications and standards  
External Link (in Q)

**Human Health**

Ergonomic Strategy: Yes

Targeted Chemical Elimination: Yes

**Planet Health**

Embodied Carbon (Cradle to Gate) - GWP (kgCO2e): 98

**Recycled Content**

The recycled content data from the manufacturing plant closest to the postal code setting is displayed first and used for calculating most certifications. Changing the postal code setting at the top of the page will re-rank which manufacturing plant is nearest.

Recyclable	91%
Recycled Content - Post Consumer (%)	56.0%
Recycled Content - Pre Consumer (%)	11.0%

**Materials**

Material Ingredient Disclosure: Yes

Material Ingredient Disclosure URL: External Link (in Q)

**Material Content**

Aluminum Content %	51%
Fabric Content %	1%
Fiberglass Content %	1%
Finish Content %	1%
Foam Content %	2%
Plastic Content %	29%
Steel Content %	16%

**General**

Contact Email: Sustainability@MillerKnoll.com

Contact Name: Sustainability

Corporate Sustainability Report (CSR) Link: External Link (in Q)

Corporate Sustainability Report (CSR): Yes

Designer: Bill Stumpf and Don Chadwick

Environmental Advocacy URL: External Link (in Q)

Manufacturer Take Back Program: Yes

Manufacturer Take Back Program URL: External Link (in Q)

Manufacturer Take Back Program: Herman Miller 2024-03-16

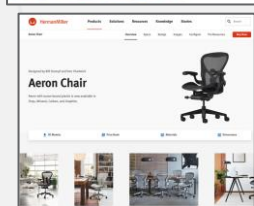
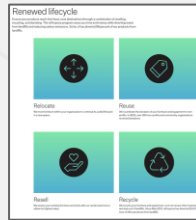
Manufacturing Location(s): Wiltshire, UK

Manufacturer Number: 12 52 00

Product Page: External Link (in Q)

Recyclable packaging: 95%

Seating Flexibility: Yes



# Platform Tour

## Product Comparisons available in seconds


### Data Driven Analysis

- 7 Products Side by Side
- Apples to Apples
- 60+ Unique Product Attributes
  - Certifications and Standards
  - Human Health
  - Planet Health
  - Recycled Content
  - Materials
  - General


**GPPT** Search products by name, brand  33909   PROJECTS PRODUCTS Sign Up/Login



**Humanscale** Freedom® Task Chair  
 Category Building Furnishings  
 Subcategory Furniture  
 Type Chairs & Stools



**Herman Miller** Aeron® Chair  
 Category Building Furnishings  
 Subcategory Furniture  
 Type Furniture




**Airsteel** Lyric Task Seating  
 Category Building Furnishings  
 Subcategory Furniture  
 Type Seating




**KI** Oath Task  
 Category Building Furnishings  
 Subcategory Furniture  
 Type Furniture

#### Certifications and Standards


AFRDI Green Tick Certificate	B - Gold (16772/3) Certified by Furntech valid until 2026-02-04			
BIFMA LEVEL® Certificate Number and Link to Document	LEVEL 3 (SCS-SCF-05108) Certified by SCS Global Services valid 2022-05-01 to 2024-10-31	LEVEL 3 (C0020641-128) Certified by NSF Certification, LLC valid 2016-10-17 to 2024-12-31	LEVEL 3 (SCS-SCF-09021) Certified by SCS Global Services valid 2022-06-01 to 2025-05-31	LEVEL 1 (LE-10023-2023a) Certified by Intertek valid 2023-03-21 to 2024-12-15
BIFMA LEVEL® Disclosure: Product Grouping Methodology	Worst Case Sample Selection			
BIFMA LEVEL® Restrictions	None		None	
CA Section 01350	Yes	Yes	Yes	
CDPH Standard Method V1.2-2017	Yes	Yes	Yes	Yes
Conforms with LBC Red List Free Requirements	Yes	Yes		
Environmental Product Declaration (EPD)		Product Specific (EPD10431) Certified by NSF Certification, LLC valid 2022-01-27 to 2027-01-27 Product Specific EPD (EPD10431)		
FSC® optional			Yes	
Greenhealth Approved			Yes	
Greenhealth Approved URL			External Link <a href="#">go</a>	
Health Product Declaration (HPD)	S253074243584 (version 2.3) valid 2020-07-28 to 2026-07-28			
Life Cycle Assessment	Yes			
Life Cycle Assessment URL	External Link <a href="#">go</a>			
Life Cycle Assessment Verified by 3rd Party	Yes			
Living Building Challenge Declare®	LBC Red List Free (HSC-0048, version 2) Certified by WAP Sustainability Consulting 3rd Party Verified valid until 2025-02-01			
Living Product Challenge	Living Product Challenge Certified by International Living Future Institute valid until 2025-10-01			
SCS Indoor Advantage			Furniture (SCS-IAQ-03102) Certified by SCS Global Services valid 2024-06-02 to 2025-06-01	
SCS Indoor Advantage Gold	Furniture (SCS-IAQ-05426) Certified by SCS Global Services valid 2019-03-11 to 2024-10-31	Furniture (SCS-IAQ-04661) Certified by SCS Global Services valid 2017-11-10 to 2024-11-09	Furniture (SCS-IAQ-02817) Certified by SCS Global Services valid 2016-01-01 to 2024-12-31	
Textile conformance to certifications and standards	External Link <a href="#">go</a>	External Link <a href="#">go</a>		




**Humanscale** Freedom® Task Chair  
 Category Building Furnishings  
 Subcategory Furniture  
 Type Chairs & Stools



**Herman Miller** Aeron® Chair  
 Category Building Furnishings  
 Subcategory Furniture  
 Type Furniture



**Airsteel** Lyric Task Seating  
 Category Building Furnishings  
 Subcategory Furniture  
 Type Seating



**KI** Oath Task  
 Category Building Furnishings  
 Subcategory Furniture  
 Type Furniture

#### BIFMA Compliant

ANSI/BIFMA X5.1 General-Purpose Office Chairs Compliant

#### Human Health

Ergonomic Strategy	Yes	Yes		
Healthy Habits Documentation	Yes			
Targeted Chemical Elimination		Yes	Yes	Yes
Targeted Chemical Elimination Exceptions			Choose PFC/ PVC free fabric	
Targeted Chemical Elimination URL		External Link <a href="#">go</a>		
Targeted Chemical Elimination Verified		Yes		

#### Planet Health

Design for Flexibility and Disassembly				Yes
Embodied Carbon (Cradle to Gate) - GWP (kgCO2e)		58		

#### Recycled Content

Recyclable	98%	91%		
Recycled Content - Post Consumer (%)	24.0%	48.0%	29.0%	38.6%
Recycled Content - Pre Consumer (%)	14.0%	20.0%	2.4%	18.6%
Total Recycled Content (%)			31.4%	57.2%

#### Materials

Bio-Based Materials	0%			
Environmental Data Sheet			External Link <a href="#">go</a>	External Link <a href="#">go</a>
Material Ingredient Disclosure	Yes	Yes		
Material Ingredient Disclosure URL	External Link <a href="#">go</a>	External Link <a href="#">go</a>		

#### Material Content

Aluminum Content %	49%	51%		
Fabric Content %		1%		
Fiberglass Content %		1%		
Finish Content %		1%		
Foam Content %		2%		
Misc Content %	3%			
Plastic Content %	33%	29%		
Steel Content %	15%	15%		
Wood Content %	0%			

# Platform Tour

## Product Analysis & Documentation

GPPT Search products by name, brand 33909 PROJECTS PRODUCTS Sign Up/Login

Office Electronics / Monitors

**HP Z34c G3 WQHD Curved Display / 30A19AA-Taiwan**  
 Category Office Electronics  
 Subcategory Monitors  
 Type Monitor

Have room to develop your ideas with the meticulously crafted ultrawide QHD Z34c Curved Display that brings your work to life with sharp screen clarity and remarkable color accuracy. And show off your projects with confidence on a Zoom Certified monitor that has an integrated 5MP webcam with dual mics, and front-firing speakers.

+ Add to Project Contact Manufacturer Rating System Credits Get PDF

**Certifications and Standards**

ENERGY STAR® Certification 2376407 certified date 2021-04-23

EPEAT Registration Gold EPEAT Climate+™ 37 out of 46 points Country: United States Certified by Green Electronics Council certified date 2021-11-01 data last updated on 2024-07-09

Life Cycle Assessment Yes

TCO Certified TCO Certified Displays 9 (D923050412, version 1) Certified by TCO Development valid 2023-05-02 to 2025-06-03

**Energy**

Annual Energy Use - TEC (kWh/yr)	91.59
Energy Use - Sleep Mode (Watts)	0.27
Energy Used (Watts)	29.37

**Recycled Content**

The recycled content data from the manufacturing plant closest to the postal code setting is displayed first and used for calculating credit contributions. Changing the postal code setting at the top of the page will re-evaluate which manufacturing plant is closest.

Recycled Plastic (%)	87.8
----------------------	------

Product Evaluation

Rating Systems, Standards, and Frameworks

Federal Add a rating system, standard, or framework

mM Common Materials Framework

Postal / 33909

- ✓ Federal Guidelines
- LEED®v4 BD+C: CS
- LEED®v4 BD+C: Data Centers
- LEED®v4 BD+C: Healthcare
- LEED®v4 BD+C: Hospitality
- LEED®v4 BD+C: NC
- LEED®v4 BD+C: Retail
- LEED®v4 BD+C: Schools
- LEED®v4 BD+C: Warehouses
- LEED®v4 BD+C: Homes
- LEED®v4 ID+C: CI
- LEED®v4 ID+C: Hospitality
- LEED®v4 ID+C: Retail
- LEED®v4 BD+C: Multifamily Midrise
- LEED®v4 BD+C: Data Centers

Close Document

- Products and Projects can be analyzed and documented through a wide variety of compliance and contribution methodologies:

- Canadian Green Procurement Rules
- US Federal Guidelines - GPC
- LEED
- WELL
- Living Building Challenge
- GreenGlobes
- mindfulMATERIALS

**Federal Guidelines**

GPC Federal: Building Finishes / Carpet Compliant

Agencies are directed by Executive Order 13834 to purchase products and services that meet statutory requirements, are identified by EPA programs and meet or exceed EPA recommended specifications, standards and ecolabels. [Learn more.](#)


# Platform Tour

## Product Analysis & Documentation

Energy Performance Data leveraged into a simple yet powerful ROI Analysis for operational energy savings over time.

**GPPT** Search products by name, brand    PROJECTS PRODUCTS Sign Up/Log In

Office Electronics / Monitors



**HP Z34c G3 WQHD Curved Display | 30R18AA-Teswin**  
 Category: Office Electronics  
 Subcategory: Monitors  
 Type: Monitor

Here learn to develop your ideas with the meticulously crafted ultimate QHD-Z34c Curved Display that brings your work to life with sharp screen clarity and remarkable color accuracy. And show off your projects with confidence on a Zero Carbon Certified monitor that has an integrated SMP webcam with dual mics, and front-facing speakers.

[Add to Project](#) [Contact Manufacturer](#) [Rating System Details](#) [Get PDF](#)

### Certifications and Standards

**ENERGY STAR Certification**  
 2376407  
 certified date 2021-04-23

**EPEAT Registration**  
[View](#)  
 EPEAT Climate +™  
 37 out of 46 points  
 Country: United States  
 Certified by Green Electronics Council  
 certified date 2021-11-01  
 data last updated on 2024-07-09

**Life Cycle Assessment**  
 Yes

**TCO Certified**  
[TCO Certified Display # 02420504 \(L series 1\)](#)  
 Certified by TCO (Development)  
 valid 2023-05-02 to 2025-04-03

### Energy

Annual Energy Use - TEC (kWh/yr) **91.99**

Energy Use - Sleep Mode (kWh) **6.27**

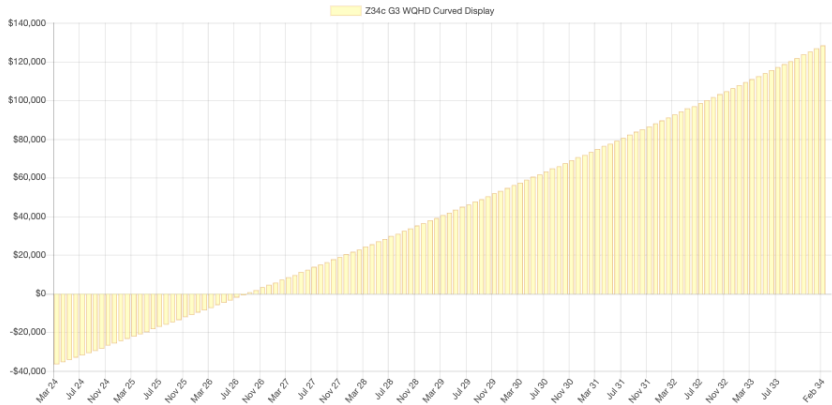
Energy Used (kWh) **26.37**

### Recycled Content

The recycled content data from the manufacturing plant closest to the postal code setting is displayed first and used for calculating credit contributions. Changing the postal code setting at the top of the page will re-evaluate which manufacturing plant is closest.

Recycled Plastic (%) **87.8**

### Energy Impact Calculator



**SAVINGS SUMMARY**

Monthly kWh Saved	<b>7,909</b>	Monthly Savings	<b>\$1,186</b>
Yearly kWh Saved	<b>94,908</b>	Yearly Savings	<b>\$14,236</b>
Total kWh Saved	<b>949,076</b>	Total Energy Savings (incl. inflation)	<b>\$165,782</b>

[Show advanced options](#)

#### Project Setup - General

Project Type:  Operational hours per day:

Impact analysis time horizon (years):

#### Energy Usage Parameters

Electricity cost per kWh:

#### HP Z34c G3 WQHD Curved Display

Quantity:   
 Unit Price (\$):   
 Watts:

#### Comparison Baseline

Quantity:   
 Unit Price (\$):   
 Watts:





# Platform Tour Project / Procurement Documentation in a single click

**GPPT**PROJECTS PRODUCTS Sign Up/Login

This is the new project evaluation page layout. [Click here to return to the old layout](#)

← Back to Project

DOWNLOAD CSV
DOWNLOAD PDF

Postal Code: 33908 Project Size (sq ft): 0 Client Name: - Address: -

Total SKUs  
**7**

Total Units  
**7**

Total Cost  
**0**

Product	Mfg Plant Location	Quantity	Total Cost
<b>Humanscale</b> <small>Freedom® Headrest</small>	Piscataway, NJ, USA   Dublin, IE   Jiaxin, CN	1	\$0
<b>Global Furniture Group</b> <small>Archer III®</small>	—	1	\$0
<b>Samsung</b> <small>RF23BB8900**</small>	—	1	\$0
<b>HP</b> <small>P22a G4 FHD Monitor</small>	—	1	\$0
<b>Kohler Co.</b> <small>Mach™ Manual LG GPF toilet flushometer</small>	—	1	\$0
<b>Hillyard</b> <small>Green Select® Preferred GS-Certified Roll towel, controlled</small>	—	1	\$0
<b>Tork</b> <small>SK1850A</small>	—	1	\$0

**Federal Guidelines**

GPC Federal: Plumbing Systems / Flush Valves	Partially Compliant
GPC Federal: Building Furnishings / Furniture	Partially Compliant
GPC Federal: Appliances / Residential Refrigerators	Partially Compliant
GPC Federal: Cleaning Products / Sanitary Paper Products	Partially Compliant

All Products included in the project/procurement have their individual product pages included in the documentation with their individual compliance and contribution to Federal Guidelines + LEED, WELL, etc.

**Hillyard** Green Select® Preferred GS-Certified Roll towel, controlled

**Category** Cleaning Products, Paper Office Products  
**Subcategory** Sanitary Paper Products

Hillyard Industries' Green Select® Preferred GS-Certified Roll towel, controlled earned Green Seal certification for meeting the highest standards for human and environmental health, and for demonstrating uncompromising performance.

[Hide details](#)

**Certifications and Standards**

Green Seal Certified GS-1 Edition 6.4 Sanitary Paper Products

Green Seal Certified GS-1

**Recycled Content**

The recycled content data from the manufacturing plant closest to the postal code setting is displayed first and used for calculating credit contributions. Changing the postal code setting at the top of the page will re-evaluate which manufacturing plant is closest.

**Manufacturing Location** N/A  
[View other manufacturing locations](#)

**Manufacturing Locations**

Location	Recycling	Post Consumer
	Pre Consumer	

**Federal Guidelines**

GPC Federal: Cleaning Products / Sanitary Paper Products Compliant

Agencies are directed by Executive Order 13834 to purchase products and services that meet statutory requirements, are identified by EPA programs and meet or exceed EPA recommended specifications, standards and ecolabels. [Learn more.](#)

**Humanscale** Freedom® Headrest / 20579

**Category** Building Furnishings  
**Subcategory** Furniture  
**Type** Chairs & Stools

With innovative recline that provides constant support and a pivoting backrest that automatically adjusts to the needs of the spine, the Freedom chair is exceptionally comfortable and promotes movement throughout the day. Its refined and sculpted cushions were designed to mimic the body's natural contours and decrease pressure point loads for premium comfort. The Freedom chair features a dynamic, articulating headrest to support the head and neck as users recline. It moves with the sitter, so they can change postures without making manual adjustments and stay comfortable in any position.

[Show details](#)

**Federal Guidelines**

GPC Federal: Building Furnishings / Furniture Compliant

Agencies are directed by Executive Order 13834 to purchase products and services that meet statutory requirements, are identified by EPA programs and meet or exceed EPA recommended specifications, standards and ecolabels. [Learn more.](#)

**Samsung** RF23BB8900\*\*

**Category** Appliances  
**Subcategory** Residential Refrigerators

[Show details](#)

**Federal Guidelines**

GPC Federal: Appliances / Residential Refrigerators Compliant

Agencies are directed by Executive Order 13834 to purchase products and services that meet statutory requirements, are identified by EPA programs and meet or exceed EPA recommended specifications, standards and ecolabels. [Learn more.](#)

**HP** Z34c G3 WQHD Curved Display / 30A19AA-Canada

**Category** Office Electronics  
**Subcategory** Monitors  
**Type** Monitor

Have room to develop your ideas with the meticulously crafted ultrawide QHD Z34c Curved Display that brings your work to life with sharp screen clarity and remarkable color accuracy. And show off your projects with confidence in a Zoom Certified monitor that has an integrated 3MP webcam with dual mics, and front-firing speakers.

[Show details](#)

**Federal Guidelines**

GPC Federal: Office Electronics / Monitors Compliant

Agencies are directed by Executive Order 13834 to purchase products and services that meet statutory requirements, are identified by EPA programs and meet or exceed EPA recommended specifications, standards and ecolabels. [Learn more.](#)

# Platform Tour

## User Impact Dashboard

GPPT

Q

📍

PROJECTS
PRODUCTS
Paul Shahriari ▾

⚡
Energy

kWh saved

3,360

Est. Savings

\$586.91

💧
Water

Gallons saved

10,331,357

Est. Savings

\$147,379.60

Projects

Name	Products	Total Cost	Impact	Est. Savings	Standards	Notes
<a href="#">Canada Demo 3-22-24 with Qty &amp; Prices</a>	6 SKUs, 6 units	\$0.00	⚡	\$48.91	Federal Guidelines	— <span style="color: red; font-size: 12px;">🗑️</span>
<a href="#">Canada Demo 3-22-24</a>	7 SKUs, 7 units	\$0.00	⚡💧	\$13,447.05	Federal Guidelines	— <span style="color: red; font-size: 12px;">🗑️</span>
<a href="#">Canada Demo 8-7-24</a>	7 SKUs, 2,735 units	\$623,750.00	⚡💧	\$134,470.55	Federal Guidelines	— <span style="color: red; font-size: 12px;">🗑️</span>

- Each registered User has the ability to manage their saved projects.
- Each project holds:
  - Products and the associated data + Qty & Unit Price with Total Cost.
  - Green Evaluation Programs Selected for evaluation
  - Estimated Savings associated with Energy and Water Savings over the analysis period for each project
- Overall Energy and Water Savings are rolled up for the user.



# Recap and next steps

- The *Green Public Procurement Tool for Federal Assets* initiative is led by PSPC to configure and customize for Canada a searchable database of third-party certified environmentally preferable products and clean technologies.
- Collaboration – call to action!
- Register for CIC-led category specific consultations and fill in the simple survey (\*no close date while the project is active)

<https://pspc-spac.survey-sondage.ca/f/s.aspx?s=8f0039ae-eaed-4f9c-9eea-03aa3f562f4f>

# Thank you and questions



Public Services and  
Procurement Canada Services publics et  
Approvisionnement Canada

[TPSGC.PAAchatsEcologiques-APGreenProcurement.PWGSC@tpsgc-pwgsc.gc.ca](mailto:TPSGC.PAAchatsEcologiques-APGreenProcurement.PWGSC@tpsgc-pwgsc.gc.ca)

