

Green Products Database Pilot Virtual Consultation: IT Goods

Green Public Procurement Tool for Federal Assets Initiative

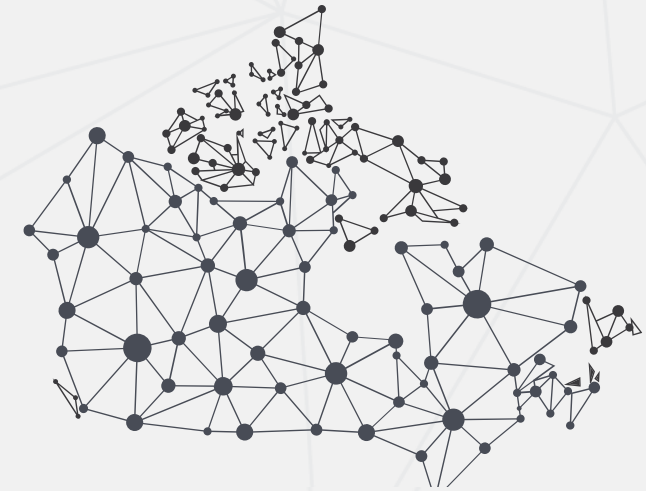
Monday October 21, 2024

1 - 2:30 PM EST (Zoom)



Public Services and
Procurement Canada

Services publics et
Approvisionnement Canada



Consultation Supported by:



Today's Objectives

- ◆ Learning about the Green Public Procurement Tool for Federal Assets Initiative – what it is and what it's trying to do
 - ◆ Hearing from you
 - ◆ Are the environmental certifications we cover today ones you recognize?
 - ◆ Do you use these in your organization / industry?
 - ◆ What is missing and what do you recommend for the Canadian version?
 - ◆ Learning about the product search platform itself and what its capabilities are
-

Today's Agenda

Content	Organization
Welcome & PSPC overview Green Public Procurement Tool Pilot Phase	Public Services and Procurement Canada
Stakeholder engagement overview Customization of U.S. platform	Circular Innovation Council
Stakeholder Feedback Review of Ecolabels and Certifications Additional Suggestions and Feedback	Circular Innovation Council
Platform overview: Pilot Canadian version of the database	ecomedes
Next Steps	Circular Innovation Council

Public Services and Procurement Canada: Overview

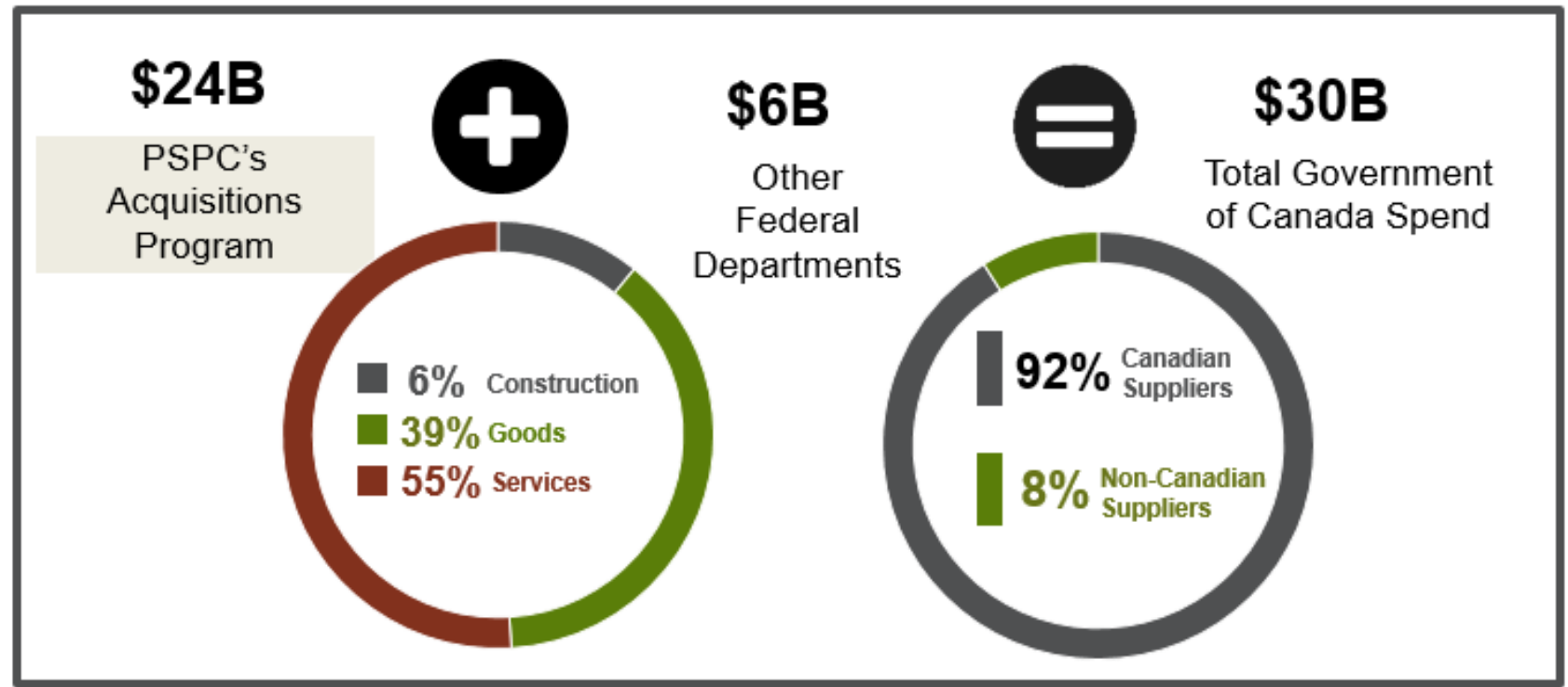
PSPC is the central federal purchasing agent and real property manager for the Government of Canada

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.

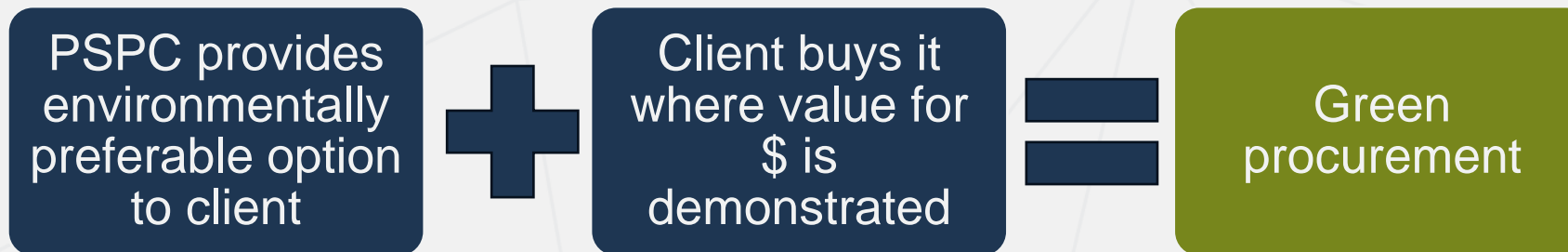
Average Annual Value of Federal Procurement over 3 Fiscal Years: 2019-2020 to 2020-2021



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.”

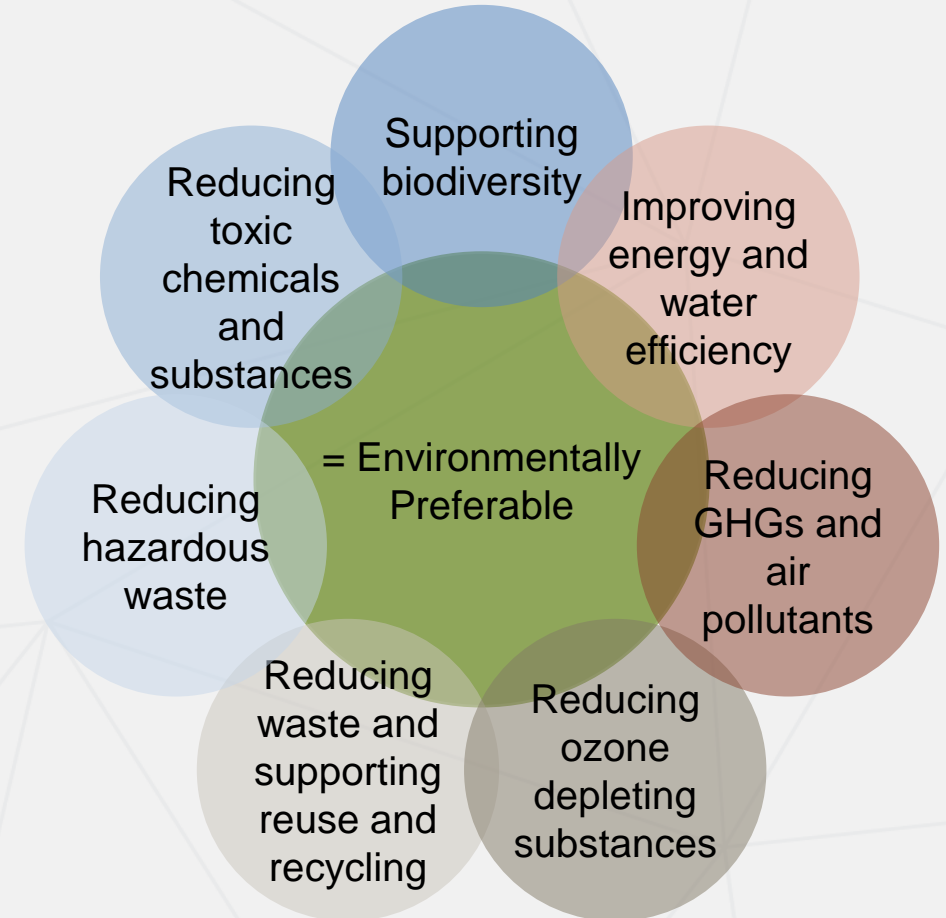


Definition of “Green” or environmentally preferable

“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



Definition of Clean technology

The Government of Canada defines clean technology as:

- Any good or service designed with the primary purpose of contributing to remediating or preventing any type of environmental damage.
- Any good or service that is less polluting or more resource efficient than equivalent normal products that furnish a similar utility.

Examples include: renewable and non-emitting energy; smart grid and energy storage; advanced and lightweight materials; energy efficiency controls and design; air, water, wastewater and environmental remediation; transportation; waste and recycling; and biofuels and biomaterials.

Source: Clean Technology Data Strategy: <https://ised-isde.canada.ca/site/clean-growth-hub/en/clean-technology-data-strategy>



Objectives of the GPPT

Primary objective:

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

Secondary objectives:

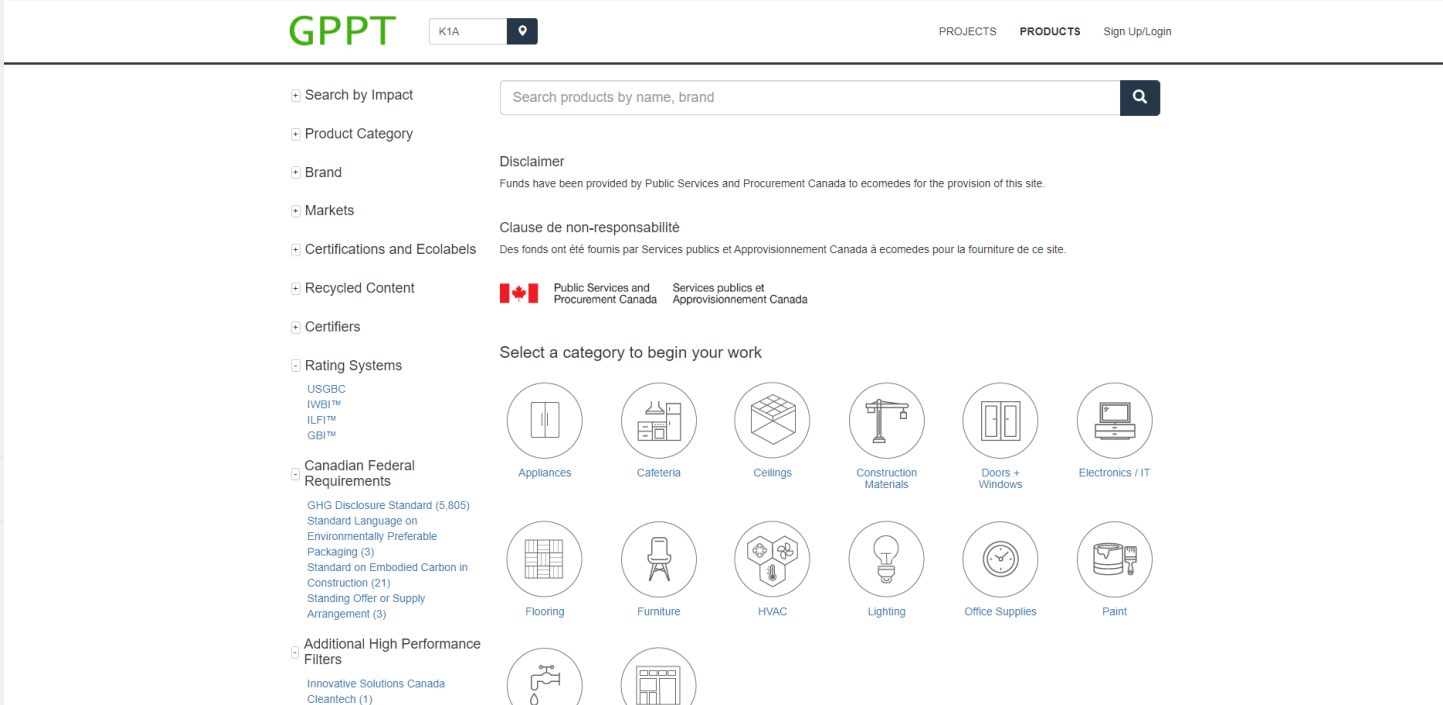
- ◆ Enable PSPC to meet its responsibilities under the Policy on Green Procurement to provide verified and up-to-date environmentally preferable options to client departments
- ◆ Align green procurement requirements with the U.S. and other public procurers to better signal market demand
- ◆ Increase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

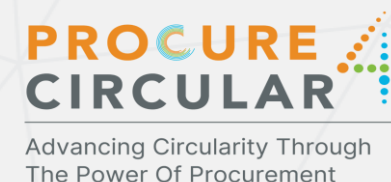
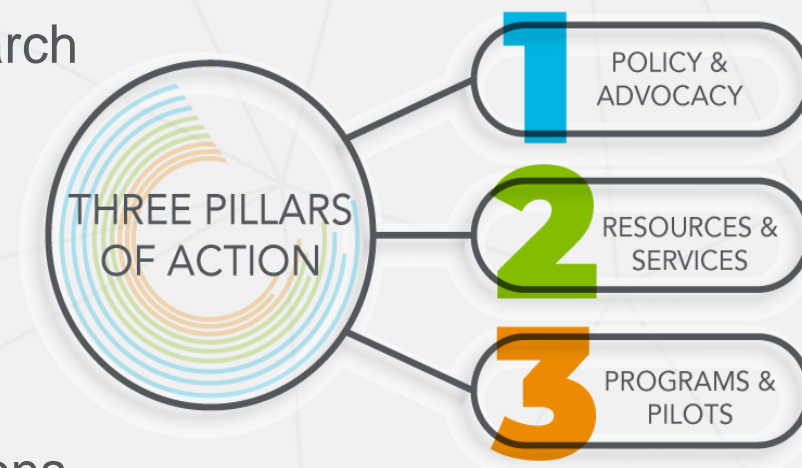


How we intend to use the GPPT in Canada – pilot phase

- ◆ 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



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

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



Stakeholder Consultation

Key Objectives Today

- Gather your insights on ecolabels and certifications stakeholders are using for each product category
- Identify additional certifications, standards and ecolabels that should be considered
- Solicit feedback on the benefits and obstacles of such ecolabels and certifications
- Solicit other considerations for the GPPT tool
- Identify whether your products may already be represented in the searchable database

Getting to know you:

Stakeholder type?

Organization HQ?

Business size?



Customization of ecomedes Product Search Tool developed for U.S. General Services Administration

Basis for U.S. GSA tool:

- Third-party verified data
 - Simplify informed decision making
- Ecolabelling programs
 - Voluntary, consensus-based
 - Multiple 'attributes' preferred (i.e. more than one environmental impact)
- U.S. EPA 'required purchasing programs' basis
 - EPA Framework for the Assessment of Environmental Performance Standards and Ecolabels for Federal Purchasing

Computers

Last Updated: 06/29/24



Click to see brand name products that meet these requirements



PRODUCT DETAILS

To the maximum extent practicable, federal agencies are required to buy sustainable products, which are products that meet the purchasing program(s) listed below.

If there is more than one program listed below, agencies are directed to prioritize multi-attribute products, which meet statutory purchasing program requirements (*) and one or more required Environmental Protection Agency purchasing programs.

Review our [frequently asked questions](#) for more information.

PRODUCT TYPE

PROCUREMENT INFO

WHERE TO BUY

Desktop Computers

Statutory Purchasing Program Requirements:



Energy Star *

Required EPA Purchasing Programs:



EPEAT (Highest Rating Available)

For additional information, please go to [EPA Recommendations](#) website.

[Buy on GSA Advantage!](#)

Notebook Computers

Statutory Purchasing Program Requirements:



Energy Star *

Required EPA Purchasing Programs:



EPEAT (Highest Rating Available)

For additional information, please go to [EPA Recommendations](#) website.

[Buy on GSA Advantage!](#)

IT GOODS AND SERVICES U.S. GSA Required	Certification Logo	Biodiversity	GHG Emission & Air Quality	Hazardous Waste	Resource Efficiency	Ozone Depleting	Toxic, Hazardous Chemicals	Solid Waste / Reuse & Recycling	Biobased Content
Energy Star			✓		✓				
EPEAT			✓		✓				

IT GOODS AND SERVICES

Canadian and Other Ecolabels, Certifications and Standards

Non-GSA Required



ECOLOGO Certificate



TCO Certified



Environmental Product Declaration



Blue Angel



Life Cycle Assessment



UL Greenguard



Recycled Material Standard

Stakeholder Consultation

Revisiting Key Objectives

- Gather your insights on ecolabels and certifications stakeholders are using for each product category
- Identify additional certifications, standards and ecolabels that should be considered
- Solicit feedback on the benefits and obstacles of such ecolabels and certifications
- Solicit other considerations for the GPPT tool
- Identify whether your products may already be represented in the searchable database

Qualitative/Open Feedback

Chatham House Rule

- ◆ When a meeting, or part thereof, is held under the Chatham House Rule, participants are free to use the information received, but neither the identity nor the affiliation of the speaker(s), nor that of any other participant, may be revealed. The purpose of the rule is to encourage open discussion since anything said is "off the record".
- ◆ Facilitators are neutral parties who will filter the input and feedback gathered into a summary document. No contracting authorities are here today.

Product Sub-category Feedback

◆ Mural Board post-it notes

1. Computers – Sky Blue
2. Large Network Equipment – Pink
3. Monitors – Green
4. Headsets – Purple
5. Printers & Copies – Orange
6. Telephones - Turquoise

The mural board is titled "IT GOODS AND SERVICES" and features a central grid of 24 colored squares arranged in 4 columns and 6 rows. Above the grid are four icons representing different product categories: a laptop, a network switch, a headset, and a telephone. Below each icon is a small text box with feedback notes. The colors of the squares correspond to the product sub-categories listed in the adjacent text: Sky Blue, Pink, Green, Purple, Orange, and Turquoise.

IT GOODS AND SERVICES

Computers

Network Equipment

Headsets

Telephones

1. I have used the product for a long time and I am very satisfied with the quality and performance. I would recommend it to my colleagues.

2. The product is very easy to use and I like the design. I would like to see more options for customization.

3. The product is very reliable and I have never had any issues. I would like to see more options for customization.

4. The product is very easy to use and I like the design. I would like to see more options for customization.

5. The product is very reliable and I have never had any issues. I would like to see more options for customization.

6. The product is very easy to use and I like the design. I would like to see more options for customization.

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

Ecomedes Technology

Data Collection & Curation

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

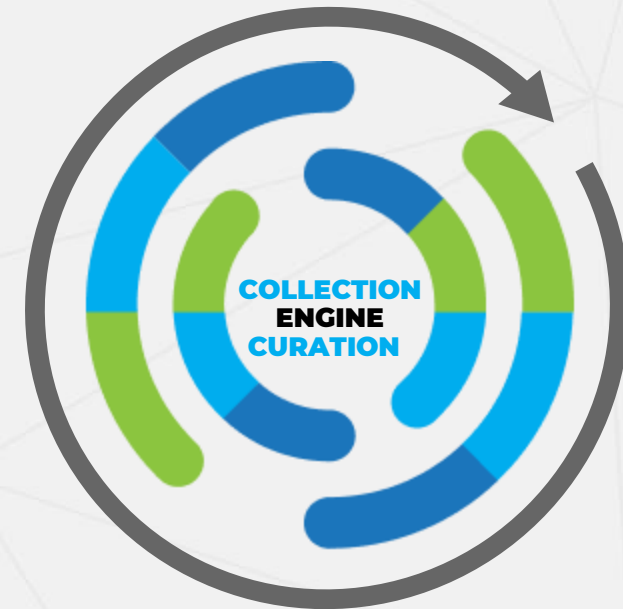


Data Enrichment

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

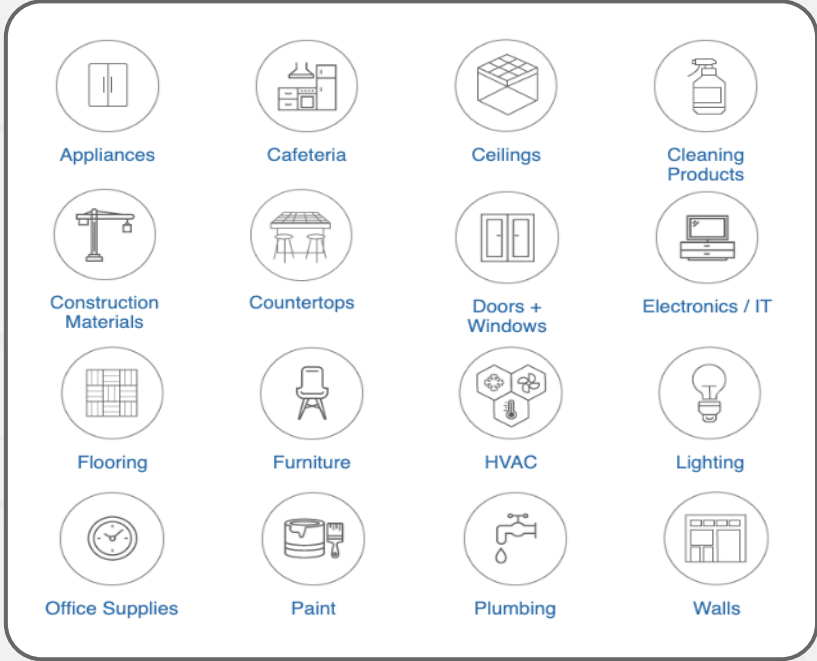
~100+ Ecolabels / Certifications / Standards

~60+ Registry Sources

~3,000 Unique Brand/Factory/Product Attributes

Ecomedes Technology

Automated Alignment & Analysis drives marketplace empowerment



Sustainability Impact Frameworks



Green Project & Procurement Frameworks

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

Ecomedes Technology

Automated Alignment & Analysis delivers data driven decision making

Herman Miller Aeron® Chair Plastic Base / AER_PLAS_EU	
Category	Seating 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 8ZReveal, 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? Contact us to enrich product information or add product listings.</p>	
Certifications and Standards	
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 00000)</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>External Link</p>
Living Building Challenge Decisions	<p>LBC Red List Approved SFPM 0214, version 2</p> <p>valid until 2024-11-01</p>
SCS Indoor Advantage Gold	<p>Furniture (SCS-002-0843)</p> <p>Certified by SCS Global Services</p> <p>valid until 2024-09-01 to 2024-09-01</p>
Tablet conformance to certifications and standards	<p>External Link</p> <p>External Link</p>
Human Health	
Ergonomic Strategy	Yes
Targeted Chemical Elimination	Yes
Planet Health	
Embedded Carbon (Cradle to Gate) - GWP (kgCO2e)	87.4
Recycled Content	
<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 with manufacturing plant interest.</p>	
Recyclable	95%
Recycled Content - Post Consumer (%)	95.0%
Recycled Content - Pre Consumer (%)	95.0%
Materials	
Material Ingredient Disclosure	Yes
Material Ingredient Disclosure URL	<p>External Link</p> <p>External Link</p>
Material Content	
Aluminum Content %	24%
Fabric Content %	1%
Fiberglass Content %	1%
Foam Content %	2%
Plastic Content %	80%
Steel Content %	9%
General	
Contact Email	Sustainability@HermanMiller.com
Contact Name	Sustainability
Designer	Bill Stumpf and Don Chidwick
Environmental Advocacy URL	<p>External Link</p> <p>External Link</p>
Manufacturer Take Back Program	Yes
Manufacturer Take Back Program URL	<p>External Link</p> <p>External Link</p>
Manufacturing Location(s)	Waltham, UK
MasterFormat Number	12.52.00
Product Page	<p>External Link</p> <p>External Link</p>
Recyclable packaging	95%
Seating Flexibility	Yes

9
Certs /
Standards
25
Additional
Data Points

Sustainability Impact Frameworks



Green Project & Procurement Frameworks

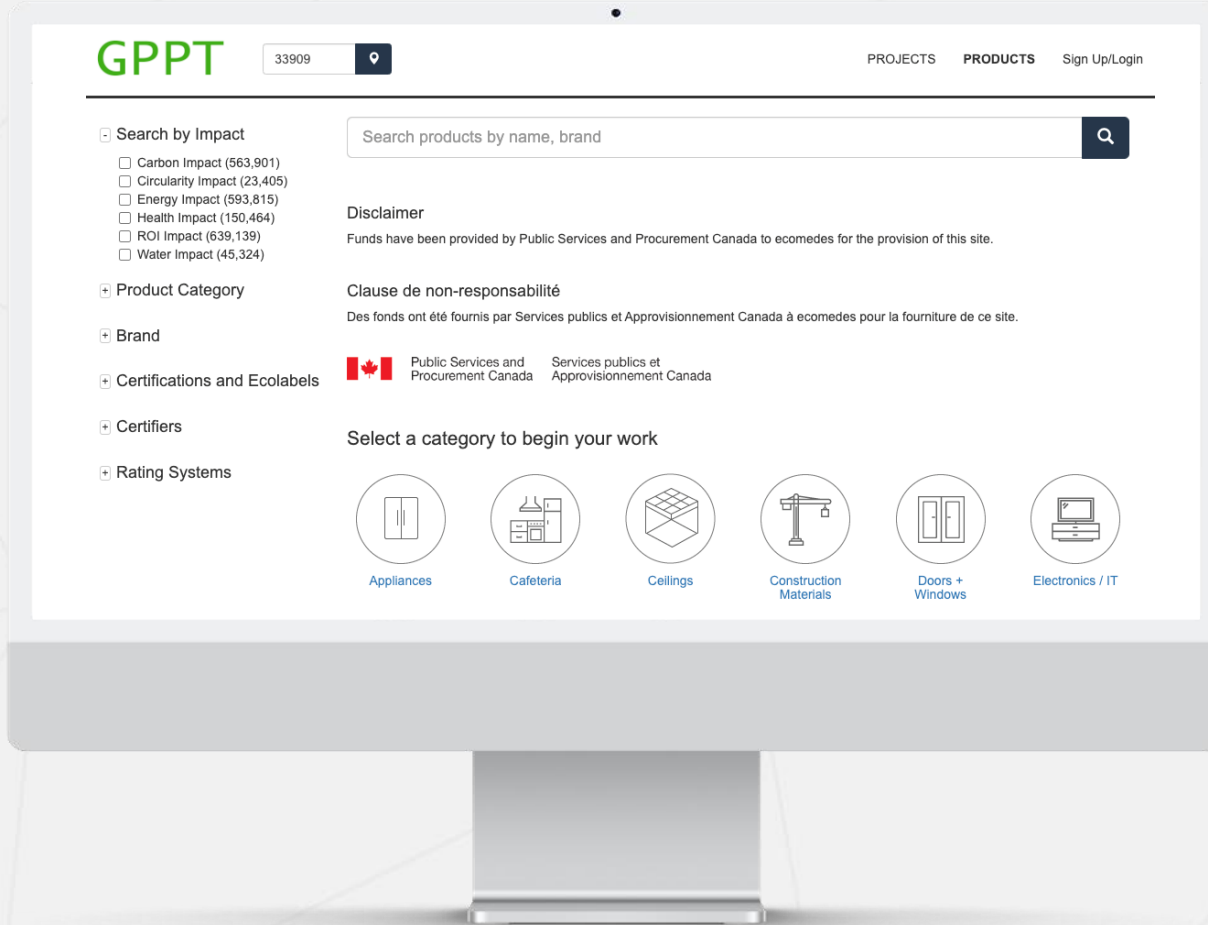
Product Alignment & Compliance:

- 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 location pin icon with the number 33909. Navigation links for 'PROJECTS' and 'PRODUCTS' are visible, along with a 'Sign Up/Login' link. A search bar contains the text 'Search products by name, brand'. On the left, there are filters for 'Search by Impact' (Carbon, Circularity, Energy, Health, ROI, Water), 'Product Category', 'Brand', 'Certifications and Ecolabels', 'Certifiers', and 'Rating Systems'. Below these filters is a grid of product categories represented by icons: Appliances, Cafeteria, Ceilings, Flooring, Furniture, HVAC, Lighting, Office Supplies, Paint, Plumbing, and Walls. A sign-up modal is overlaid on the right side of the page, featuring the Ecomedes logo, a 'Welcome' message, and a login prompt: 'Log in to Ecomedes Inc. to continue to Ecomedes.' The modal includes input fields for 'Email address' and 'Password', a 'Forgot password?' link, a blue 'Continue' button, and a 'Don't have an account? Sign up' link. A green arrow points from the 'Sign Up/Login' link in the top navigation to the sign-up modal.

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

- The Platforms are typically open to anyone that 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

Disclaimers

Funds have been provided by Public Services and Procurement Canada to ecomedes for the provision of this site.

Clause de non-responsabilité

Des fonds ont été fournis par Services publics et Approvisionnement Canada à ecomedes pour la fourniture de ce site.

Public Services and Procurement Canada Services publics et Approvisionnement Canada

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

Certifications and Ecolabels

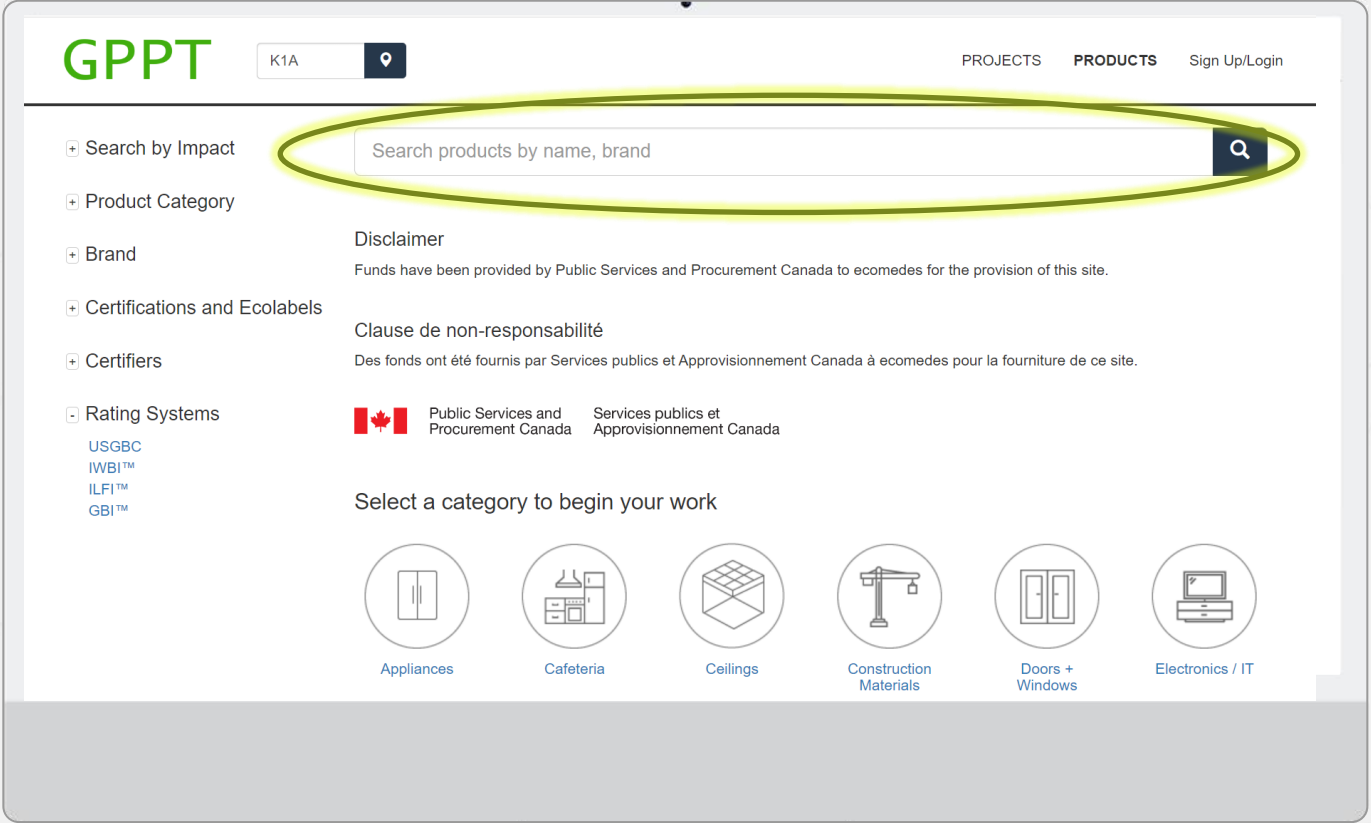
- Vantage Vinyl® Verified (743)
- AFRDI Green Tick (15)
- ANSINSI 373 Sustainable Stone (38)
- ASSURE CERTIFIED™ (287)
- asthma & allergy friendly® (200)
- BIFMA LEVEL® (5,132)
- BioPreferred® (18,462)
- Blue Angel (1,706)
- C2C Certified (6,670)
- C2C Material Health Certified (378)
- Carbon Footprint 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)

Certifiers

Rating Systems

Canada

Product Search



canada.ecomedes.com

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**
 - Office Electronics (415,282)
- **Certifications and Ecolabels**
 - Blue Angel (1,706)
 - ECOLOGO Certificate (6,001)
 - ENERGY STAR® Certified (17,100)
 - EPEAT (52,982)
 - GreenCircle (7)
 - Life Cycle Assessment (LCA) (52,982)
 - Net Zero Challenge (5,900)
 - SCS Recycled Content Certified (250)
 - TCO Certified (77,521)
 - UL GREENGUARD (104)
 - UL GREENGUARD Gold (4,252)

The screenshot shows the GPPT search results page for monitors. The page features a search bar with the text "07601" and a location icon. The navigation menu includes "PROJECTS", "PRODUCTS", and "Paul Shahrari". The left sidebar contains a list of filters: Search by Impact, Product Category, Product Subcategory, Brand, Product Type, Display Size, Display Resolution, Display Resolution (pixels), Certifications and Ecolabels, and Rating Systems. The main content area displays a grid of product cards for monitors. Each card includes a product image, the brand name, the product name, the category and subcategory, and buttons for "add to" and "documentation". The filters are: Office Electronics x, Monitors x. The results are sorted by Popularity. The products shown are: HP E24u G5 FHD USB-C Monitor, AOC I2781FH, Optoma STUNRK, DELL P2725H, Displays2go 55 Inch Floor Standing Digital S..., and Samsung LH75WACW.

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**
 - Office Electronics (415,282)
 - Monitors (16,709)
- **Certifications and Ecolabels Refinement**
 - ENERGY STAR® Certified (2,033)
 - EPEAT (2,662)
 - Life Cycle Assessment (LCA) (2,662)
 - Net Zero Challenge (100)
 - TCO Certified (9,727)
- EPEAT Rating
 - Gold (2,177)
 - Silver (485)



- Brand

Acer (646)
AOC (97)
ASUS (468)
BenQ (140)
CLEVERTOUCH (26)
DELL (330)
Fujitsu (26)
HP (12,557)
iiyama (167)
Lenovo (314)
LG (273)
MSI (30)
NEC (176)
Newline (25)
Philips (430)
PLANAR (31)
Samsung (396)
SHARP (28)
SMART (25)
ViewSonic (160)

GPPT 07601 PROJECTS PRODUCTS Paul Shahrari

Search by Impact View Comparison Popularity ▾

Product Category Office Electronics x

Product Subcategory
 Monitors
 Accessories (7)
 Audio Video (346)
 Computers (203,243)
 Data Center Storage (72)
 Enterprise Servers (336)
 Headsets (59)
 Imaging Equipment (193,098)
 Large Network Equipment (29)
 Telephones (289)
 Televisions (91)
 Uninterruptible Power Supplies (750)

Brand

Product Type

Display Size

Display Resolution

Display Resolution (pixels)

Certifications and Ecolabels
 ENERGY STAR® Certified (2,033)
 EPEAT (2,662)
 Life Cycle Assessment (LCA) (2,662)
 Net Zero Challenge (100)
 TCO Certified (9,727)

Certifiers

Rating Systems
USGBC
IWBI™
ILFI™
GBI™

Search products by name, brand

1 - 18 of 16,709 results
Filters: Office Electronics x Monitors x

HP
E24u G5 FHD USB-C Monitor
Category Office Electronics
Subcategory Monitors
add to documentation

AOC
I2781FH
Category Office Electronics
Subcategory Monitors
add to documentation

Optoma
STUNRK
Category Office Electronics
Subcategory Monitors
add to documentation

DELL
P2725H
Category Office Electronics
Subcategory Monitors
add to documentation

Displays2go
55 Inch Floor Standing Digital S...
Category Office Electronics
Subcategory Monitors
add to documentation

Samsung
LH75WACW
Category Office Electronics
Subcategory Monitors
add to documentation

WACOM
DTK168
Category Office Electronics
Subcategory Monitors
add to documentation

ADVANTOUCH
Pro 3 86"
Category Office Electronics
Subcategory Monitors
add to documentation


Emotions
EM-HP65AA2CV982
Category Office Electronics
Subcategory Monitors
add to documentation

Platform Tour

Rich Product Data at your fingertips

GPPT Search products by name, brand 07601

Office Electronics | Monitors



HP E24u G5 FHD USB-C Monitor / EN4DDAA-United States

Category: Office Electronics
Subcategory: Monitors
Type: Monitor

Intentionally crafted to deliver crisp visuals and personalized comfort, the HP E24u G5 FHD USB-C Monitor redefines flexibility and power, so there's nothing between you and your best. Stylishly designed with the planet in mind, this display is the perfect fit for both the office and home.

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

Certifications and Standards

ENERGY STAR® Certification
2404219
certified date: 2022-11-02

EPEAT Registration
EPEAT Climate™
38 out of 46 points
Country: United States
Certified by Green Electronics Council
certified date: 2023-02-08
data last updated on: 2024-07-09

Life Cycle Assessment
Yes

TCO Certified
TCO Certified Displays 9.0(20211031), version 11
Certified by TCO Development
valid: 2022-12-02 to 2024-12-02

Energy

Annual Energy Use - TEC (kWh/yr) 45.67
Energy Use - Sleep Mode (Watts) 0.39
Energy Used (Watts) 14.17

Human Health

Low Halogen Yes

Planet Health

Total CO2e (kg) 260.0

Recycled Content

Recycled Plastic (%) 90

General

Aspect Ratio 16:9
Brightness (cd/m2) 250 nits
Contrast Ratio 1000:1
Date Available On Market 2022-12-30
Display Color Up to 16.7 million colors supported
Display Panel Active Area Size (width x height in inches) 20.75 x 11.67 in
Display Size (width x height in inches) 21.24 x 11.85 x 12.7 in (without hinge), 21.24 x 2.95 x 12.7 in (with hinge)

Features On-screen controls, Single Power On, Anti-glare, Height Adjust, Tilt/ Swivel/ Pivot, VESA Base

Markets Canada, Japan, Switzerland, Taiwan, United States

Master/Compld Number 11,28.00
Model Number HSD-0152-W

On/Off Response Time (ms) 5ms GIG (with overdrive)

Panel Technology IPS
Power Supply No
Product Type E-Series
Resolutions - Native FHD (1920 x 1080)
Resolutions - Supported 840 x 480, 720 x 400, 800 x 450, 1024 x 768, 1280 x 720, 1280 x 800, 1280 x 1024, 1440 x 800, 1600 x 900, 1680 x 1050, 1920 x 1080

Screen Size (in.) 23.8
Type Monitor
UNSPSC 43211902
UPC 196786295263
Warranty Text 3 years limited warranty
What's In The Box Monitor, Warranty card, Quick Setup Poster, 1 USB Type-C to Type-C cable, AC power cord

GO TO SEARCH

HP E24u G5 FHD USB-C Monitor

Product Summary:

Product Type: Monitors
Registered In: United States
Manufacturer: HP
EPEAT Tier: Gold
Registration Date: 2023-02-08
Product Status: Active
EPEAT Climate+: Achieved 2023-09-12
Universal Product Code(s): 196786295263

All unique product identifiers existing for this product may not be listed here. If the unique product identifier you are looking for is not listed, please contact EPEAT at EPEAT@epc.org.

EXPORT PRODUCT SUMMARY

E24u G5 HP D922120321

REGISTER / LOG IN ADD TO MY PRODUCT LIST COMPARE EXPORT RESULTS SHARE

YEARLY ENERGY CONSUMPTION 11.4 kWh

Register for more info
Create an account to get access to all information.
CREATE ACCOUNT

TOTAL WEIGHT 3.4 kg

BRAND NAME	HP
SALES NAME	E24u G5
MODEL NAME	HSD-0152-W
DISPLAY SIZE	23.8"
ASPECT RATIO	16:9
MAXIMUM RESOLUTION	1920x1080
TYPE OF STAND	Pivot
SEPARATE POWER SUPPLY	No
TCO CERTIFIED	TCO Certified Displays 9
CERTIFICATE NUMBER	D922120321
CERTIFICATION DATE	2022-12-02
CERTIFICATE VALID UNTIL	2025-12-02
COMMENT	For products delivered without stand, the emission A.4.1 & A.4.2 is not covered.

40

11 Hyperlinks to external ecoDATA resources to support decision making:

- Certification and Standards
 - Energy Star Certification
 - EPEAT Registration
 - Life Cycle Assessment
 - TCO Certified
- Energy
 - Annual Energy Use
 - Energy Use – Sleep Mode
 - Energy Used
- Human Health
 - Low Halogen
- Planet Health
 - Total CO2e GWP
- Recycled Content
- EPEAT Optional Criteria
 - Scorecard Details

Platform Tour

Product Comparisons available in seconds

Data Driven Analysis

- 5 Products Side by Side
- Apples to Apples
- 20+ Unique Product Attributes
 - Certifications and Standards
 - Energy
 - Human Health
 - Planet Health
 - Recycled Content
 - General
 - EPEAT Optional Criteria

The screenshot displays the GPPT (Green Product Platform) interface. At the top, there is a search bar with the text "Search products by name, brand" and a magnifying glass icon. To the right of the search bar is a location input field with the value "07601" and a location pin icon. Further right are navigation links for "PROJECTS", "PRODUCTS", and a user profile "Paul Shahriri".

The main content area shows five product cards, each representing a different monitor model. Each card includes a product image, the product name, and a list of attributes such as Category, Subcategory, and Type. A "remove" button is located below each product card.

Below the product cards, there is a section titled "Certifications and Standards" with a gear icon. This section contains a table of certification details:

Certification	Product 1	Product 2	Product 3	Product 4	Product 5
ENERGY STAR® Certification	2404219 certified date 2022-11-02	2401915 certified date 2022-09-23	2454331 certified date 2023-04-17	2732806 certified date 2023-11-16	2353544 certified date 2020-01-14
EPEAT Registration	Gold EPEAT Climate+™ 38 out of 46 points Country: United States Certified by Green Electronics Council certified date 2023-02-08 data last updated on 2024-07-09				
Life Cycle Assessment	Yes				
TCO Certified	TCO Certified Displays 9 (D922120321, version 1) Certified by TCO Development valid 2022-12-02 to 2024-12-02				

Below the certifications section, there is a section titled "Energy" with a lightning bolt icon. This section contains a table of energy-related metrics:

Metric	Product 1	Product 2	Product 3	Product 4	Product 5
Annual Energy Use - TEC (kWh/yr)	45.67			40.39	51.08
Energy Use - Sleep Mode (Watts)	0.39	0.38	0.29	0.20	0.18
Energy Used (Watts)	14.17	169.72	108.63	12.80	14.89

Below the energy section, there is a section titled "Human Health" with a person icon. This section contains a table of health-related metrics:

Metric	Value
Low Halogen	Yes

Below the human health section, there is a section titled "Planet Health" with a globe icon. This section contains a table of planet health metrics:

Metric	Value
Total CO2e (kg)	260.0

Below the planet health section, there is a section titled "Recycled Content" with a recycling symbol icon. This section contains a table of recycled content metrics:

Metric	Value
Recycled Plastic (%)	90

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.

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

Postal / 33909

- Add a rating system, standard, or framework
- mM Common Materials Framework
- 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

- 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
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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

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 Zero-Certified monitor that has an integrated ISMP 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

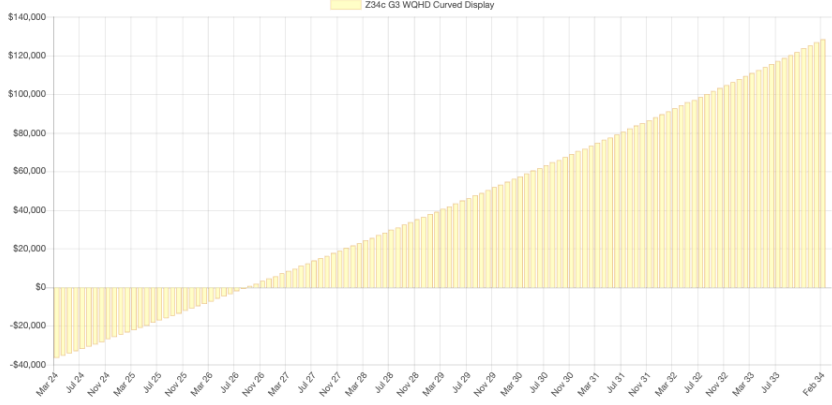
Annual Energy Use - TEC (kWh/yr)
 Energy Use - Sleep Mode (kWh)
 Energy Used (kWh)

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 (%)

Energy Impact Calculator



SAVINGS SUMMARY

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

[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:

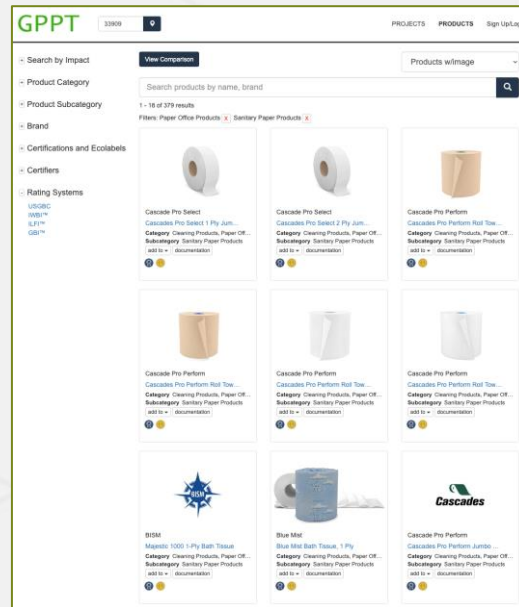
Comparison Baseline

Quantity:
 Unit Price (\$):
 Watts:

Platform Tour **Creating a Project**

Analyzing Compliance across multiple product categories, brands and a wide array of products

1. Select Products from Search Results or on Product Page
2. Utilize **Add To: Project Button**
3. Create New Project or add to Existing Project you have
4. Add all products you would like to analyze and document impact into your project
5. Edit Project Details
6. Edit Qty & Price
7. Select Rating System(s)
8. Click Evaluate
9. Your Full Report will be ready in a couple of seconds



A screenshot of the GPPT project details and products list interface. The page shows the project name 'Canada Demo 3-22-24' and various details like Project Size, Project Zip, Client Name, and Project Description. Below the details, there is a table of products added to the project.

	Mfg Plant Location*	Quantity	Unit Price	
Global Furniture Group Archer II®	N/A	EA 1	\$ 0.00	
Hillyard Green Select® Preferred GS-Certified Roll towel, controlled	N/A	EA 1	\$ 0.00	
HP P22a G4 FHD Monitor	N/A	EA 1	\$ 0.00	
Humanscale Freedom® Headrest	N/A	EA 1	\$ 0.00	
Kohler Co. Mach™ Manual 1.0 GPF toilet flushometer	N/A	EA 1	\$ 231.60	
Samsung RF23BB8900**	N/A	EA 1	\$ 0.00	
Tork SK1850A	N/A	EA 1	\$ 0.00	

* When available, the recycled content data from the manufacturing plant closest to the project postal code setting is displayed and used for calculating credit contributions. Changing the project postal code setting will re-evaluate which manufacturing plant is closest.

Platform Tour Project / Procurement Documentation in a single click

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

Recycling	Pre Consumer	Post Consumer
Location	Pre Consumer	Post 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 ultra-wide 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 360° webcam with dual mics, and front-facing 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

PROJECTS
PRODUCTS
Paul Shahriari ▾

Energy

kWh saved

3,360

Est. Savings

\$586.91

Water

Gallons saved

10,331,357

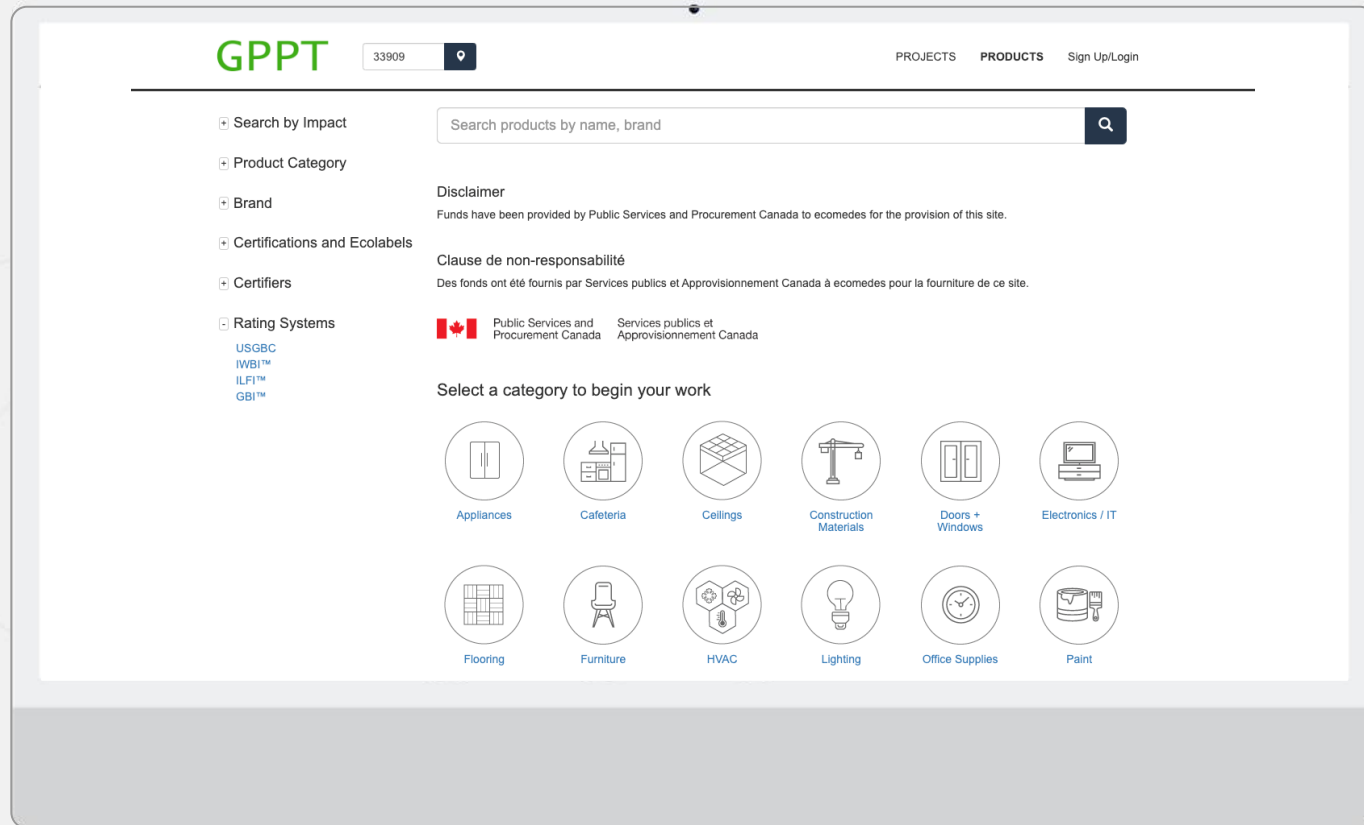
Est. Savings

\$147,379.60

Projects

Name	Products	Total Cost	Impact	Est. Savings	Standards	Notes
Canada Demo 3-22-24 with Qty & Prices	6 SKUs, 6 units	\$0.00	⚡	\$48.91	Federal Guidelines	—
Canada Demo 3-22-24	7 SKUs, 7 units	\$0.00	⚡💧	\$13,447.05	Federal Guidelines	—
Canada Demo 8-7-24	7 SKUs, 2,735 units	\$623,750.00	⚡💧	\$134,470.55	Federal Guidelines	—

- 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.



Search by Impact

Search products by name, brand

Product Category

Brand

Certifications and Ecolabels

Certifiers

Rating Systems

- USGBC
- IWBI™
- ILFI™
- GBI™

Disclaimer

Funds have been provided by Public Services and Procurement Canada to ecomedes for the provision of this site.

Clause de non-responsabilité

Des fonds ont été fournis par Services publics et Approvisionnement Canada à ecomedes pour la fourniture de ce site.



Select a category to begin your work

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

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.ecomedes.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

Product onboarding frequently asked questions

Question: Are my products on the portal?

- The GPPT tool is available for use for free. If you want to know if your products are on the portal, try searching for them at Canada.ecomedes.com

Question: If my products are not on the GPPT, how do onboard them?

- Ensure that your product(s) are certified by widely available and generally accepted sustainability standards for the product categories you participate in.
- Once above is true ecomedes will automatically pull your products into the GPPT tool through the certifications.
- Ecomedes is in the process of pulling in Canadian certifications and registries e.g. ENERGY STAR Canada, the Net Zero Challenge, etc.

Question: How do I add additional product level data to products?

- Brands/Vendors can enrich their product catalog by uploading additional data elements like:
 - General brand/product data (i.e. images, product descriptions, links back to product pages)
 - Manufacturer location (e.g. in Canada)
 - Product performance and additional Canada- specific ecolabels/certifications or clean tech programs not currently found on Canada.ecomedes.com This will be accomplished by utilizing an Excel / Google Sheets data enrichment template.
 - These templates will be distributed to vendors once the recommended product category filters and clean tech programs are finalized.

Next steps

- We are at the beginning of the customization and consultations
- Additional Feedback?
 - <https://pspc-spac.survey-sondage.ca/f/s/gppt>
- Additional Consultations:
 - <https://circularinnovation.ca/pspc-consultation-sessions-and-registration/>
- Consultation Feedback Poll

Thank you!



Public Services and
Procurement Canada

Services publics et
Approvisionnement Canada

TPSGC.PAAchatsEcologiques-APGreenProcurement.PWGSC@tpsgc-pwgsc.gc.ca



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