

Green Products Database Pilot- General Information Session

Green Public Procurement Tool for Federal Assets Initiative

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

140 O'Connor, L'esplanade Laurier, 22nd 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	
Duration: 1 hour		

Public Services and Procurement Canada: Overview

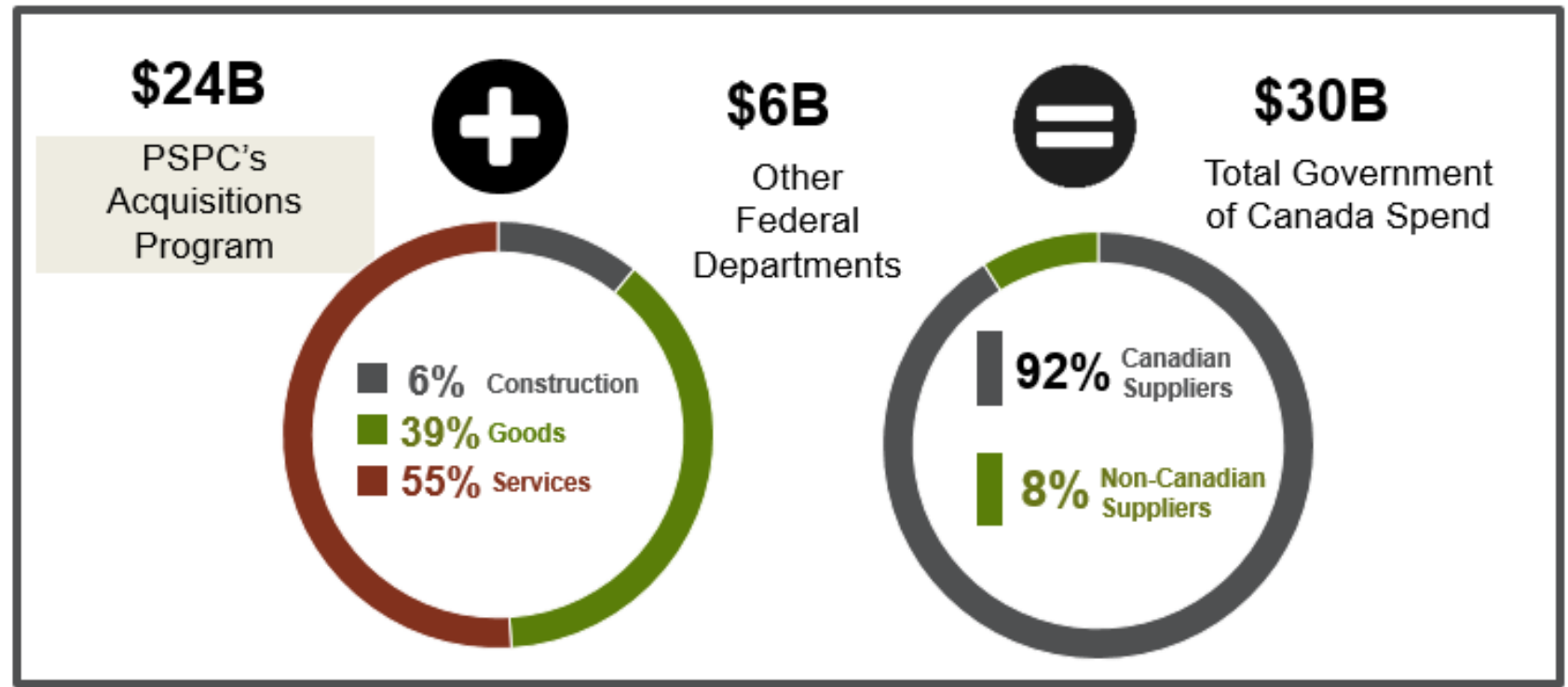
PSPC is the central federal purchasing agent and real property manager for the Government of Canada

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.

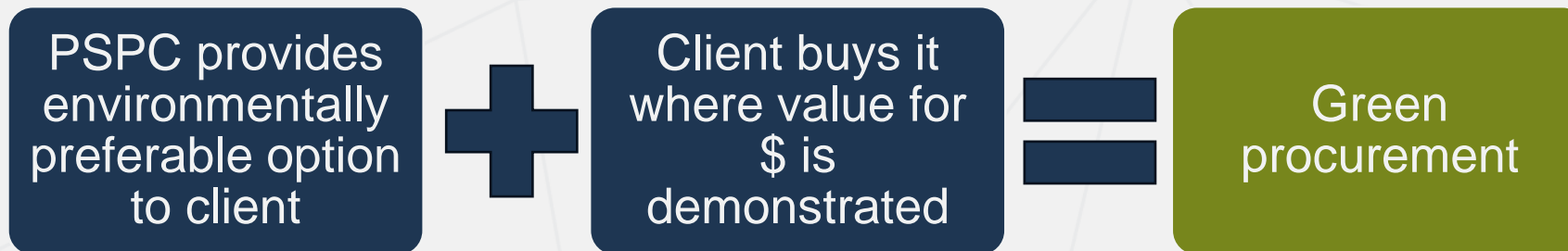
Average Annual Value of Federal Procurement over 3 Fiscal Years: 2019-2020 to 2020-2021



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.”

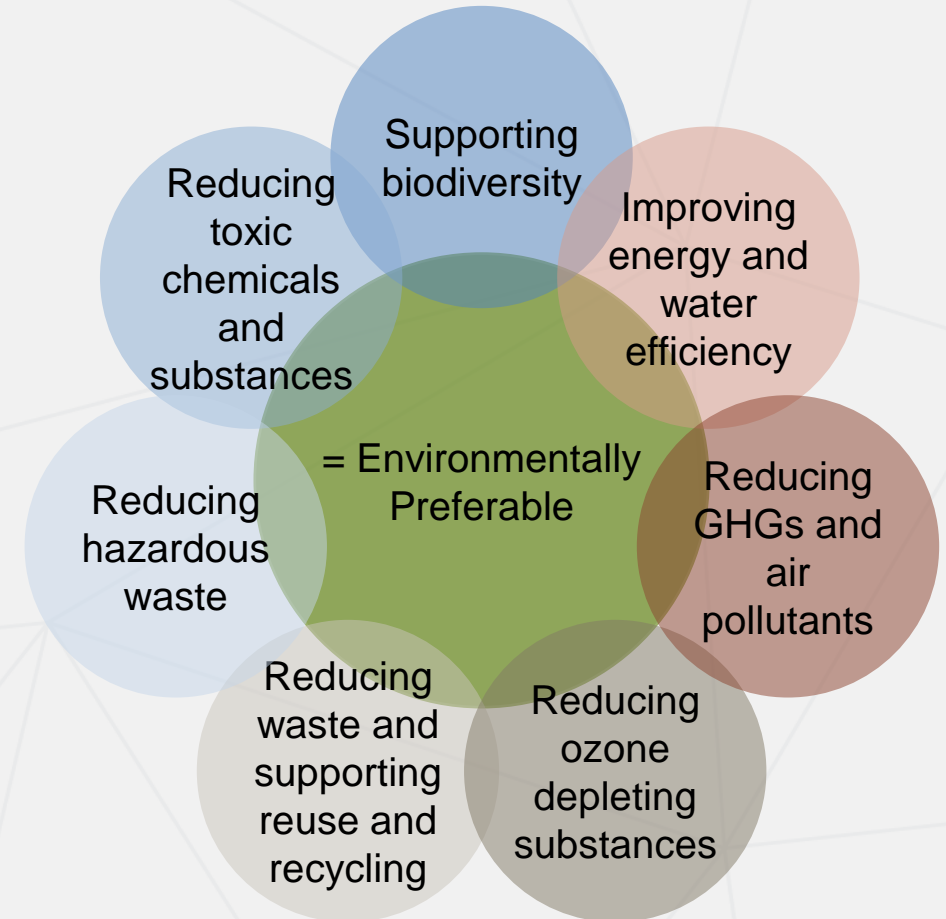


Definition of “Green” or environmentally preferable

“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:

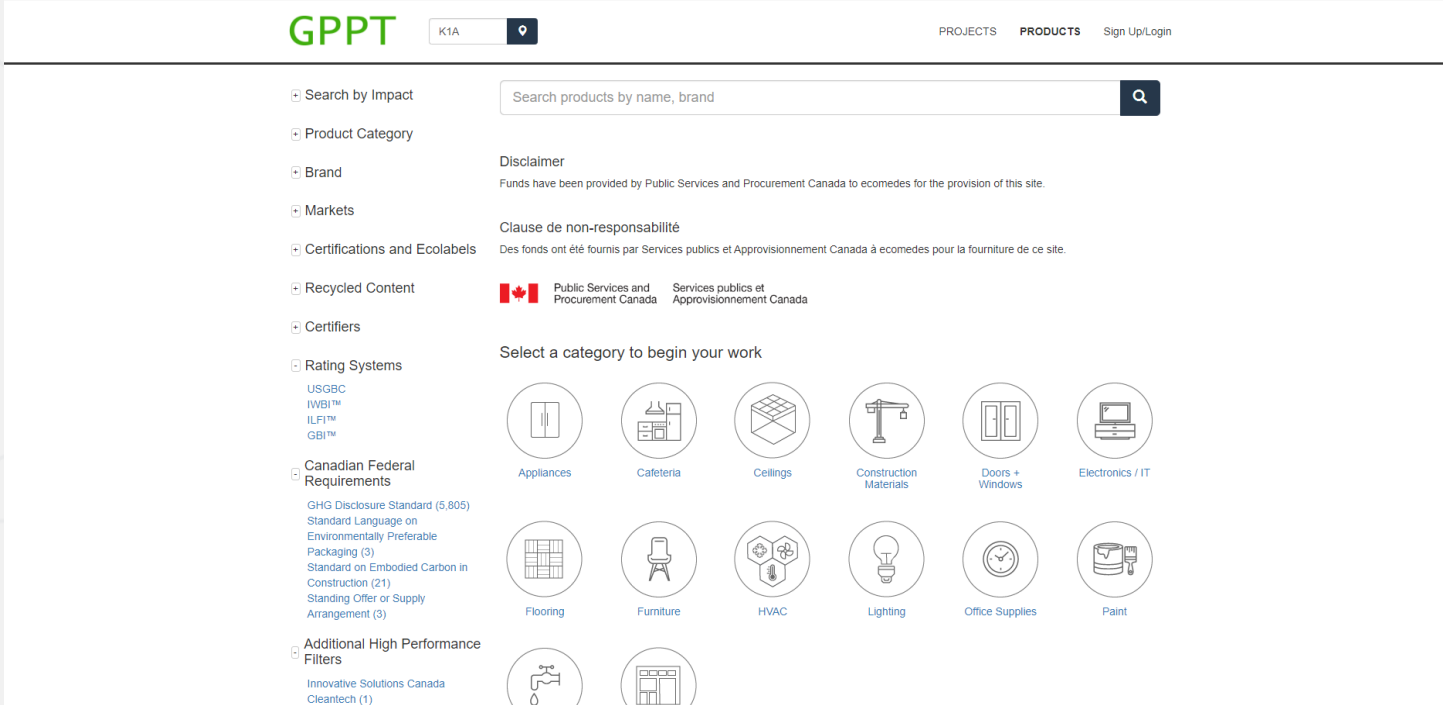
- ◆ Enable PSPC to meet its responsibilities under the Policy on Green Procurement to provide verified and up-to-date environmentally preferable options to client departments
- ◆ Align green procurement requirements with the U.S. and other public procurers to better signal market demand
- ◆ Increase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



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

- ❑ 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

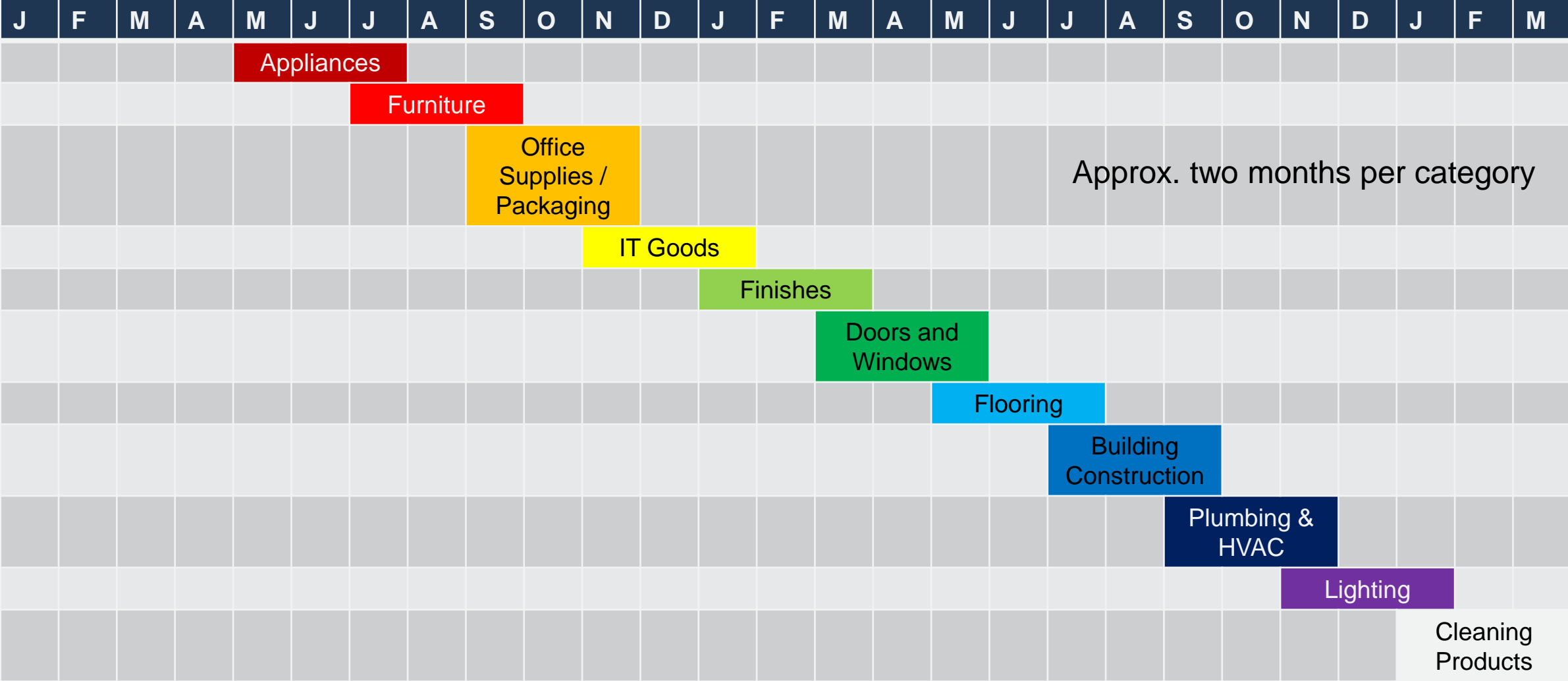
Stage 4: Move new filters into ecomedes production Canada.ecomedes.com

PSPC Product Category Filter Development Schedule

2024

2025

2026

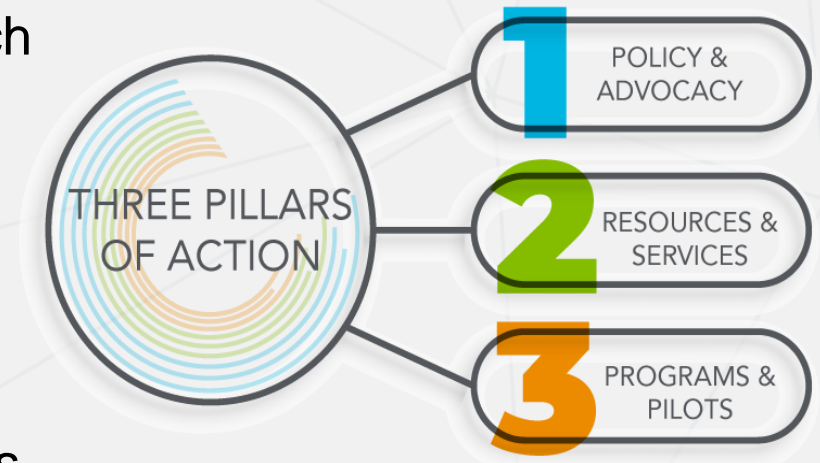


How we intend to use the GPPT in Canada – pilot phase

- ◆ 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
-

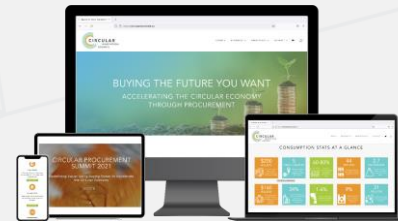


- Formerly Recycling Council of Ontario, with 40 years of expertise in circular policies, programs, standards and research
- Research and promote best practices
- Act as a collaborator, convening public and private sector interests
- Unique membership: spans entire value and supply chains
 - Governments 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

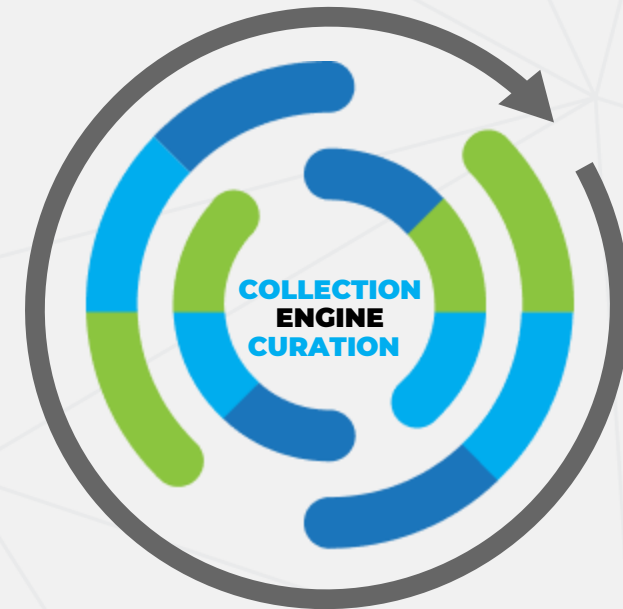


Data Enrichment

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

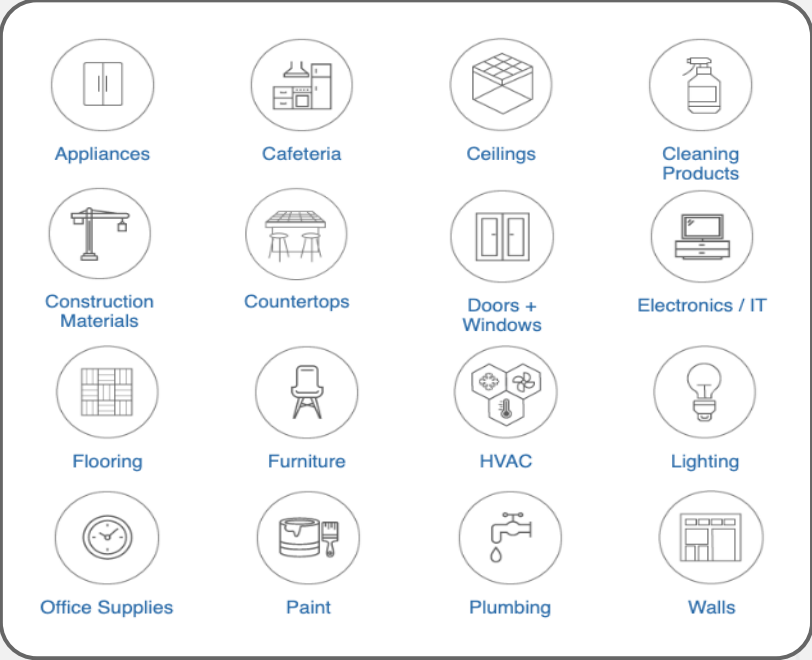
~60+ Registry Sources

~3,000 Unique Brand/Factory/Product Attributes

Ecomedes Technology

Automated Alignment & Analysis drives marketplace empowerment

Sustainability Impact Frameworks



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	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 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 10000)</p> <p>Certified by SFT Global Services</p> <p>valid until 2027-01-27 to 2027-01-27</p>
Life Cycle Assessment	Yes
Life Cycle Assessment URL	External Link
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	External Link
Human Health	
Ergonomic Strategy	Yes
Targeted Chemical Elimination	Yes
Planet Health	
Embedded Carbon (Crude to Gate) - GWP (kgCO2e)	87.4
Recycled Content	
Recyclable	95%
Recycled Content - Post Consumer (%)	95.0%
Recycled Content - Pre Consumer (%)	95.0%
Materials	
Material Ingredient Disclosure	Yes
Material Ingredient Disclosure URL	External Link
Material Content	
Aluminum Content %	24%
Fabric Content %	1%
Fiberglass Content %	1%
Frash Content %	2%
Plastic Content %	80%
Steel Content %	10%
General	
Contact Email	Sustainability@HermanMiller.com
Contact Name	Sustainability
Designer	Bill Stumpf and Don Chidwick
Environmental Advocacy URL	External Link
Manufacturer Take Back Program	Yes
Manufacturer Take Back Program URL	External Link
Manufacturing Location(s)	Widnes, UK
MasterFormat Number	12.52.00
Product Page	External Link
Recyclable packaging	95%
Seating Flexibility	Yes

9
Certs /
Standards
25
Additional
Data Points

Sustainability Impact Frameworks



Green Project & Procurement Frameworks

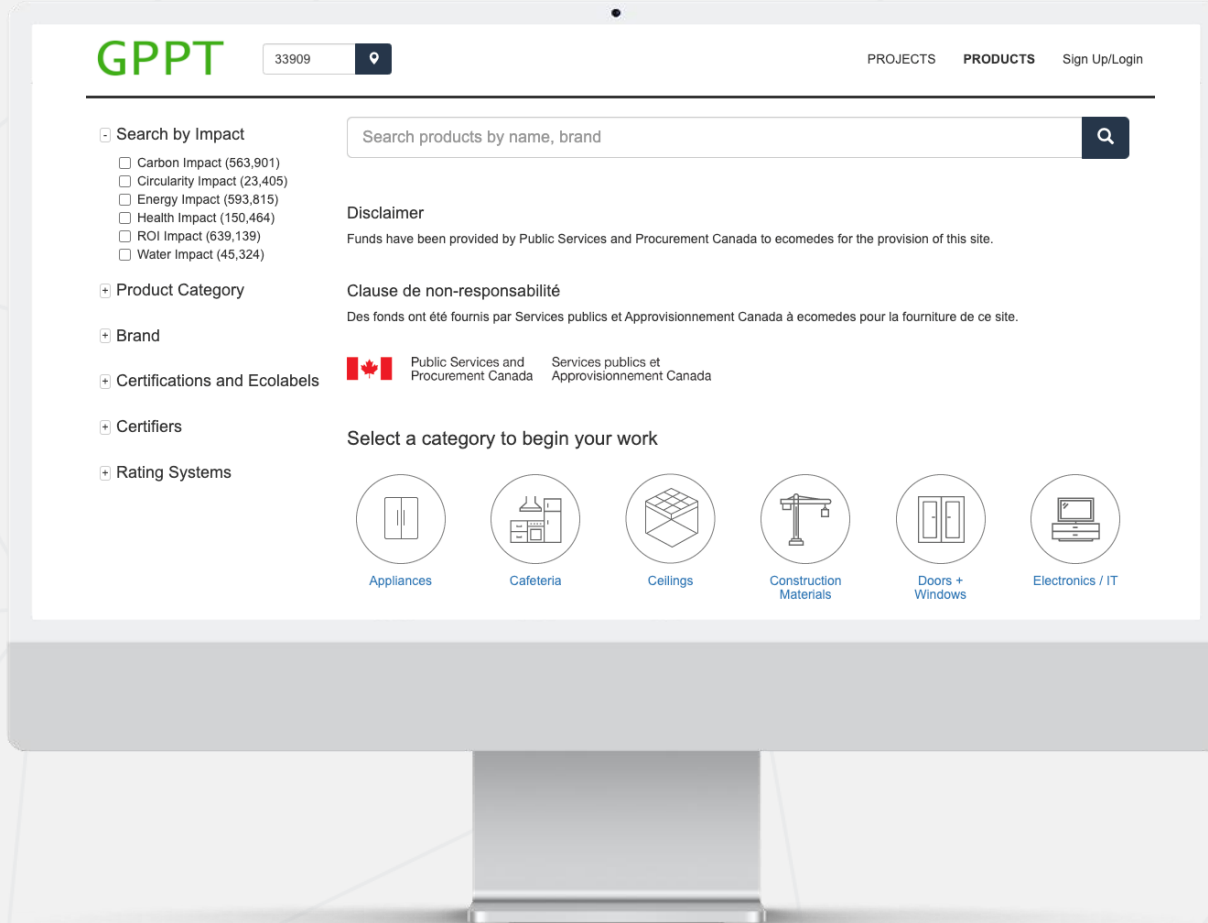
Product Alignment & Compliance:

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 '33909'. To the right are navigation links for 'PROJECTS', 'PRODUCTS', and 'Sign Up/Login'. Below the search bar is a search input field with the placeholder text 'Search products by name, brand' and a magnifying glass icon. On the left side, there are several filter categories: 'Search by Impact' (with sub-items like Carbon Impact, Circularity Impact, etc.), 'Product Category', 'Brand', 'Certifications and Ecolabels', 'Certifiers', and 'Rating Systems'. The main content area features a 'Disclaimer' and 'Clause de non-responsabilité' section, followed by a 'Select a category to begin your work' section with various product category 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 form with fields for 'Email address' and 'Password', a 'Forgot password?' link, and a blue 'Continue' button. A green arrow points from the search bar area towards the sign-up modal.

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

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.

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

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 the number '33909' and a location pin icon. To the right, there are links for 'PROJECTS', 'PRODUCTS', and 'Sign Up/Login'. Below the search bar, there's a 'View Comparison' button and a dropdown for 'Impact Score'. The main search area contains a search bar with the text 'Search products by name, brand' and a magnifying glass icon. Below the search bar, it shows '1 - 18 of 159 results' and a list of filters: 'Building Furnishings', 'Furniture', 'Seating', 'Task', and 'BIFMA LEVEL'. The left-hand navigation menu is expanded to show 'Brand' with a list of brands and their product counts. The main content area displays a grid of product cards, each featuring an image of a chair, the brand name, and a 'documentation' button. The first card is for 'Humanscale Freedom® Task Chair', the second is 'Humanscale Freedom® Headrest', and the third is 'Humanscale Liberty® Task'. The fourth card is 'Humanscale Diffrient Smart™', the fifth is 'Humanscale Treo®', and the sixth is 'Humanscale Smart™ Ocean'. The seventh card is 'Humanscale Liberty® Ocean', the eighth is 'Humanscale Path', and the ninth is 'Humanscale Diffrient Smart™ Plus'. Each card also includes a 'documentation' button and a set of icons representing various certifications and ecolabels.

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

Certifications and Standards

- CA Section 01350
- CDPH Standard Method V1.2-2017
- Conforms with LBC Red List Free Requirements
- Environmental Product Declaration (EPD)
- Life Cycle Assessment
- Life Cycle Assessment URL: [External Link](#)
- SCS Indoor Advantage Gold
- Textile conformance to certifications and standards
- Human Health**
 - Ergonomic Strategy
 - Targeted Chemical Elimination
- Planet Health**
 - Embodied Carbon (Cradle to Gate) - GWP (kgCO2e)
- Recycled Content**
 - Recyclable
 - Recycled Content - Post Consumer (%)
 - Recycled Content - Pre Consumer (%)
- Materials**
 - Material Ingredient Disclosure
 - Material Ingredient Disclosure URL: [External Link](#)
- Material Content**
 - Aluminum Content %
 - Fabric Content %
 - Fiberglass Content %
 - Finish Content %
 - Foam Content %
 - Plastic Content %
 - Steel Content %
- General**
 - Contact Email: Sustainability@MillerKnoll.com
 - Contact Name: [Sustainability](#)
 - Corporate Sustainability Report (CSR) Link: [External Link](#)
 - Corporate Sustainability Report (CSR)
 - Designer: [Bill Stumpf and Don Chadwick](#)
 - Environmental Advocacy URL: [External Link](#)
 - Manufacturer Take Back Program: [Herman Miller 2024-03-16](#)
 - Manufacturer Take Back Program URL: [External Link](#)
 - Manufacturing Location(s): [Wiltshire, UK](#)
 - Manufacturer Number: [12 52 00](#)
 - Product Page: [External Link](#)
 - Recyclable packaging: [95%](#)
 - Seating Flexibility

NSF Certificate of Conformity
 NSF International
 Aeron® Chair
 LEVEL 3 Certification

BIFMA LEVEL 3 Certification

Environmental Product Declaration
 Aeron® Chair Aluminum Base

SCS Indoor Advantage Gold

RenewedCycle

Design for the Environment

MillerKnoll Design for the Environment

MillerKnoll Targeted Chemical Elimination

MillerKnoll Sustainability Report

MillerKnoll 2023 Better World Report

11

Aeron Chair


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 PROJECTS PRODUCTS Sign Up/LogIn




Humanscale Freedom® Task Chair
 Category Building Furnishings
 Subcategory Furniture
 Type Chairs & Stools
[remove](#)



Herman Miller Aeron® Chair
 Category Building Furnishings
 Subcategory Furniture
 Type Furniture
[remove](#)




Allsteel Lyric Task Seating
 Category Building Furnishings
 Subcategory Furniture
 Type Seating
[remove](#)




KI Oath Task
 Category Building Furnishings
 Subcategory Furniture
 Type Furniture
[remove](#)

Certifications and Standards


AFRDI Green Tick Certificate	B - Gold (16772/3) Certified by Furntech valid until 2025-02-04			
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			
CA Section 01350	Yes	Yes	Yes	None
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 go
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 go			
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 go	External Link go		




Humanscale Freedom® Task Chair
 Category Building Furnishings
 Subcategory Furniture
 Type Chairs & Stools
[remove](#)



Herman Miller Aeron® Chair
 Category Building Furnishings
 Subcategory Furniture
 Type Furniture
[remove](#)



Allsteel Lyric Task Seating
 Category Building Furnishings
 Subcategory Furniture
 Type Seating
[remove](#)



KI Oath Task
 Category Building Furnishings
 Subcategory Furniture
 Type Furniture
[remove](#)

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 go		
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 go	External Link go
Material Ingredient Disclosure	Yes	Yes		
Material Ingredient Disclosure URL	External Link go	External Link go		

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
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Product Evaluation

Rating Systems, Standards, and Frameworks

Federal

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

- 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's how to elevate 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 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 Displays E \(24G9000\) L, version 1.1](#)
 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) **6.37**

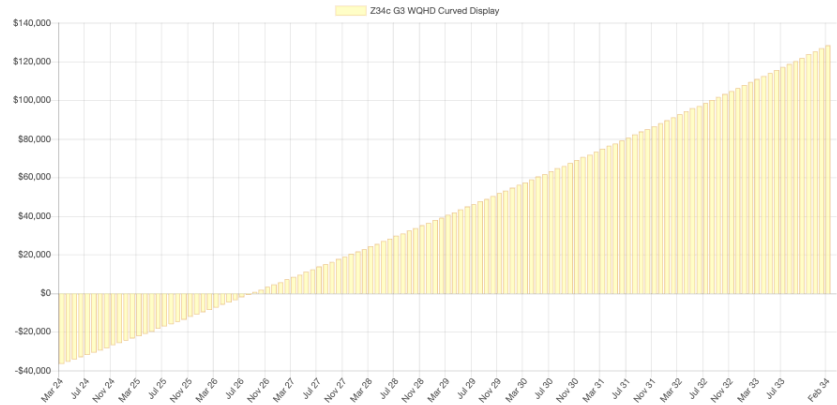
Energy Used (kWh) **26.37**

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 (%) **83.8**

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 Commercial
Operational hours per day 12

Impact analysis time horizon (years) 10

Energy Usage Parameters

Electricity cost per kWh 0.15

HP Z34c G3 WQHD Curved Display

Quantity 500
Unit Price (\$) 325
Watts 29.37

Comparison Baseline

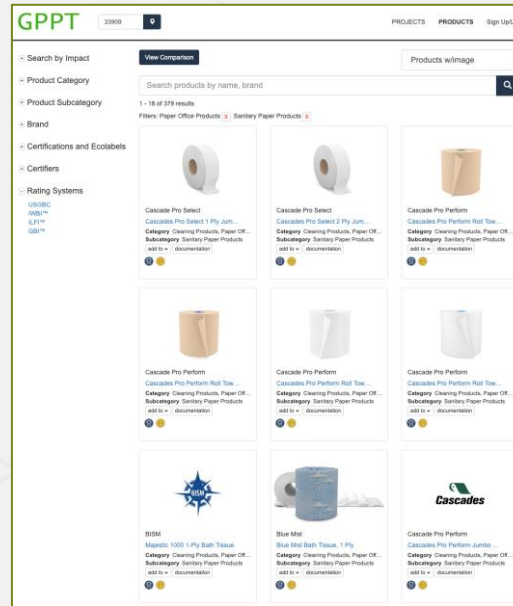
Quantity 500
Unit Price (\$) 250
Watts 90

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



GPPT Search products by name, brand 33908 PROJECTS PRODUCTS Sign Up/Login

Canada Demo 3-22-24

[eColImpact Summary](#) [Clone Project](#)

Project Details

Name * Canada Demo 3-22-24

Notes

Project Size (sq ft) *

Project Zip / Postal Code * 33908

Client Name

Project Street Address

Project Description

* Required [Save](#)

Products

	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	

[Save](#)

* 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

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Manufacturing Locations

Recycling

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 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 360° webcam with dual mics, and front-facing speakers.

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
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.

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/LanguageSelection.aspx?s=D194B2F2-8D73-45DB-B300-12AA8FD504BA>

Thank you and questions



Public Services and
Procurement Canada Services publics et
Approvisionnement Canada

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

