# Green Public Procurement Tool for Federal Assets Virtual Consultation: Lighting Products

Green Product Database Pilot Project

Consultation Supported by:

CIRCULAR
INNOVATION
COUNCIL

Tuesday February 18, 2025

1 - 2:30 PM EST (Zoom)



Public Services and Services publics et
Procurement Canada Approvisionnement Canada

# 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

## Getting to know you:

Stakeholder type?

Organization HQ?

Business size?



# Today's Agenda

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

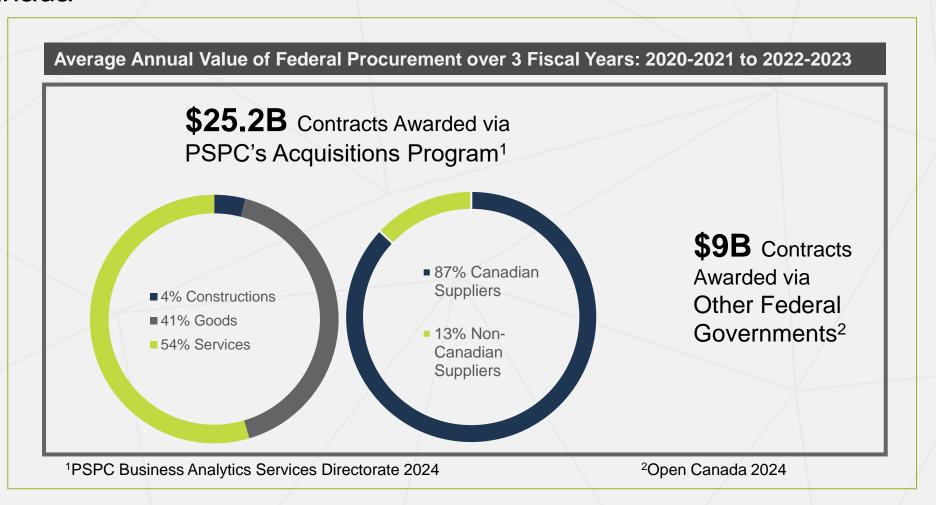
### **Public Services and Procurement Canada: Overview**

**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.



# 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."

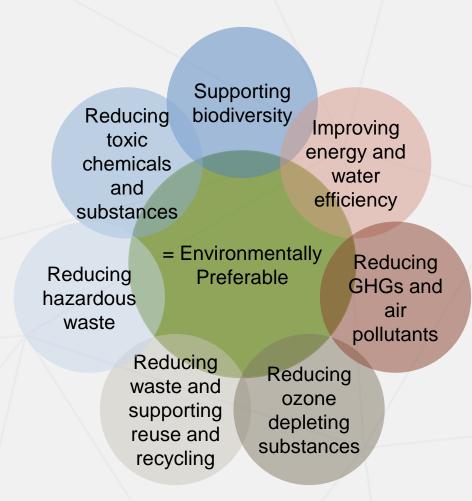


### Definition of "Green" or environmentally preferable

"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 <u>adequate and proper testing</u>



### **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: <a href="https://ised-isde.canada.ca/site/clean-growth-hub/en/clean-technology-data-strategy">https://ised-isde.canada.ca/site/clean-growth-hub/en/clean-technology-data-strategy</a>



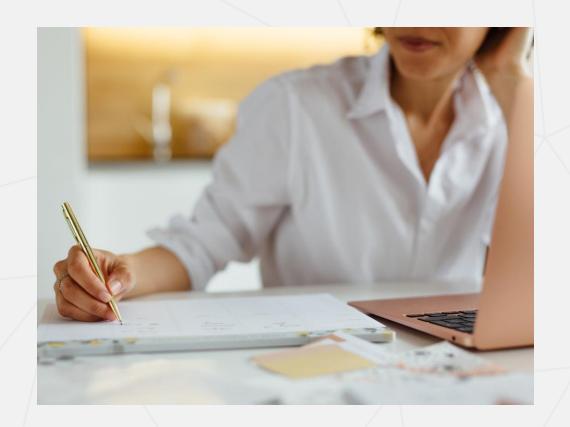
## **Objectives of the GPPT**

### **Primary objective:**

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

### **Secondary objectives:**

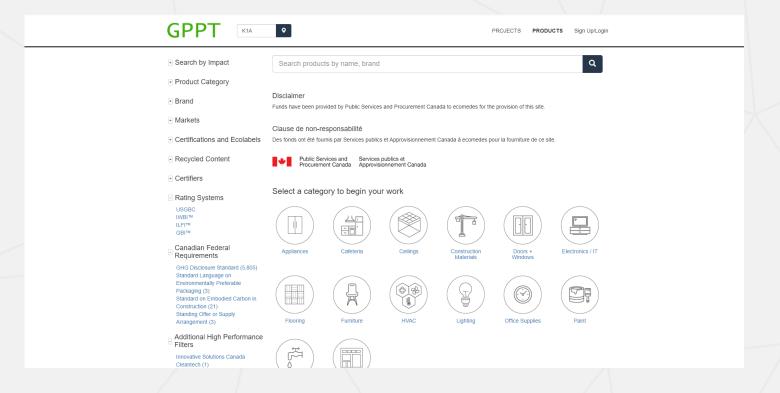
- Enable PSPC to meet its responsibilities under the Policy on Green Procurement to provide verified and up-to-date environmentally preferable options to client departments
- Align green procurement requirements with the U.S. and other public procurers to better signal market demand
- Increase green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



# **GPPT Timeline**

Year 1: 2023-24

Year 2: 2024-25

Year 3: 2025-26

Year 4 and beyond

- ➤ Project kick-off with supporting Contractors (ecomedes, Circular Innovation Council, MaRS)
- ➤ Build Core Internal Project Team
- Develop assessment framework
- ➤ Initiate stakeholder engagements (five category groups)

- Customize database for Canada with existing federal procurement requirements:
  - ➤ GHG Disclosure
  - ➤ Packaging
  - ➤ Clean Tech
- Develop & obtain approval for category-specific filter recommendations for 5 category groups and code into database
- Conduct stakeholder engagement on 12 category groups

- Develop & obtain approval for stakeholderinformed categoryspecific filter recommendations for 10 category groupings and code into database
- ➤ Launch official website in both official languages
- Continue to onboard domestic suppliers, manufacturers and firms

Secure source of funding to continue this initiative!

## 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-todate (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

### Introduction to ecomedes



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

### **Data Collection & Curation**

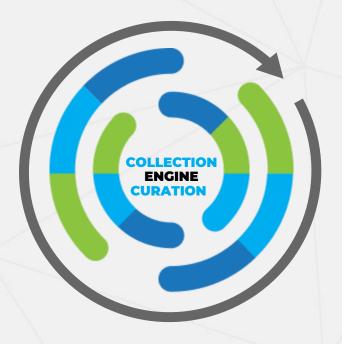


#### Data Enrichment

**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

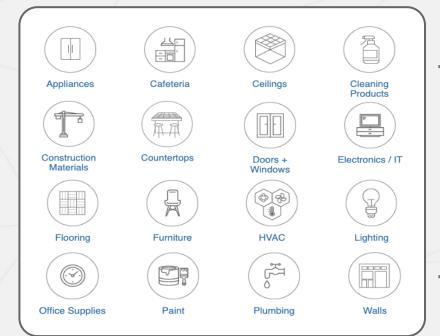
~100+ Ecolabels / Certifications / Standards

~60+ Registry Sources

~3,000 Unique Brand/Factory/Product Attributes

**Automated Alignment & Analysis drives marketplace empowerment** 

# Sustainability Impact Frameworks

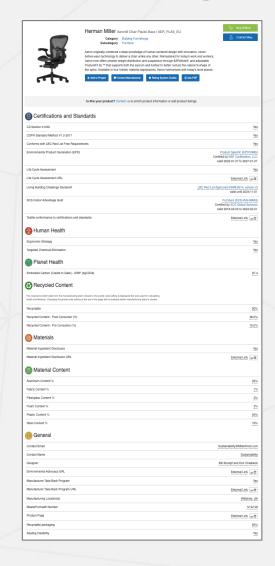




Green Project & Procurement Frameworks

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

### Automated Alignment & Analysis delivers data driven decision making



Sustainability Impact Frameworks



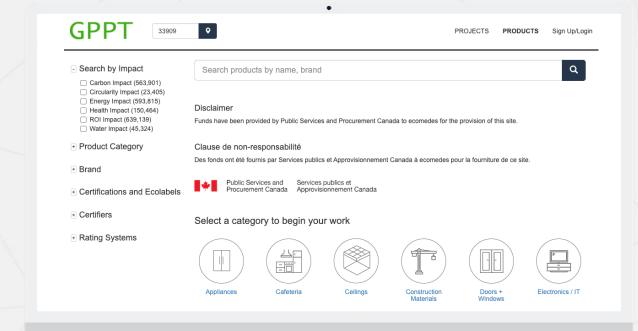
Green Project & Procurement Frameworks

# Product Alignment & Compliance:

Materiality
Transparency
Circularity
Health
Carbon
Energy
Water
Social

LEED WELL LBC GG SFTool mM

### **Platforms configured for Institutional Buyers**



### Canada.ecomedes.com

### **How Does this Help You?**

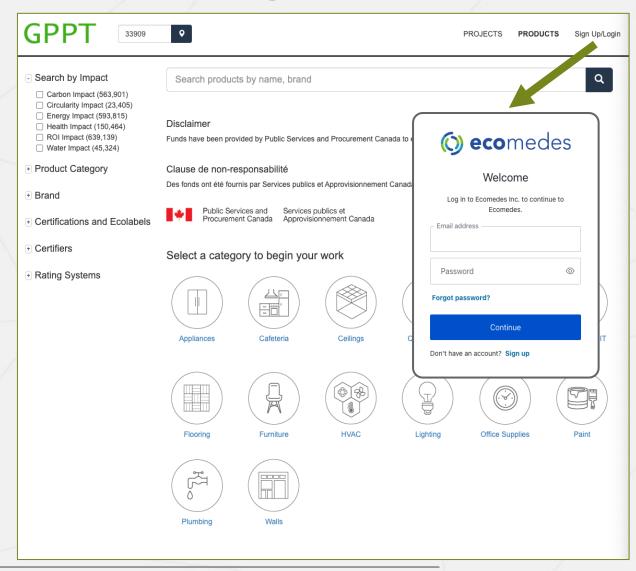
- The platform was designed to save you time
- Increase Green Procurement within Government
- Streamline Green procurement reporting for Agencies and Departments

# 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**



# 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



### Platform Tour - Search & Discovery: Driven by Data

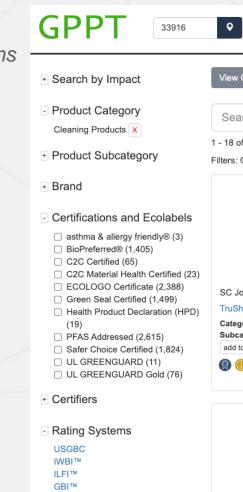
As you refine your search with left hand navigation, your can discover products through a variety of paths

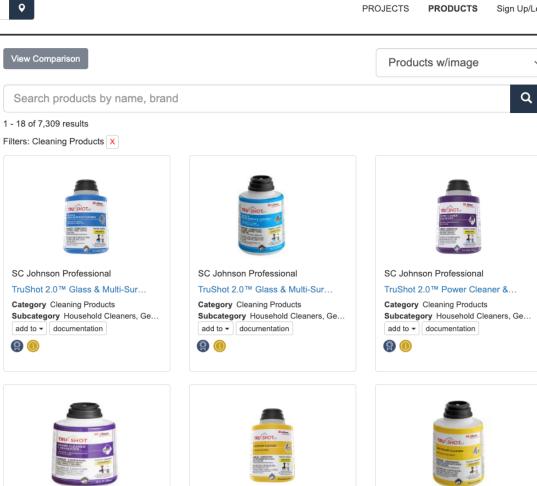
Product Category
Cleaning Products (7,309)
Certifications and Ecolabels
asthma & allergy friendly® (3)
Bio Preferred® (1,405)
C2C Certified (65)
C2C Material Health Certified (23)
ECOLOGO Certificate (2,388)
Green Seal Certified (1,499)
Health Product Declaration (HPD) (19)
PFAS Addressed (2,615)

Safer Choice Certified (1,824)

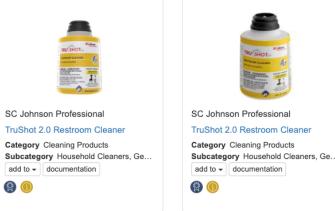
UL GREENGUARD Gold (76)

**UL GREENGUARD (11)** 









### Platform Tour

### Search & Discovery: Driven by Data

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

- **Product Category / Subcategory / Type** Refinement
  - Cleaning Products (7,309)
    - Industrial and Institutional Hand Cleaners (1,031)
- **Certifications and Ecolabels Refinement** 
  - Bio Preferred® (3)
  - ECOLOGO Certificate (859)
  - Green Seal Certified (170)
  - ☐ PFAS Addressed (170)
- **Brand List of Certified Products**



Brand

Altra (4) Avmor (5)

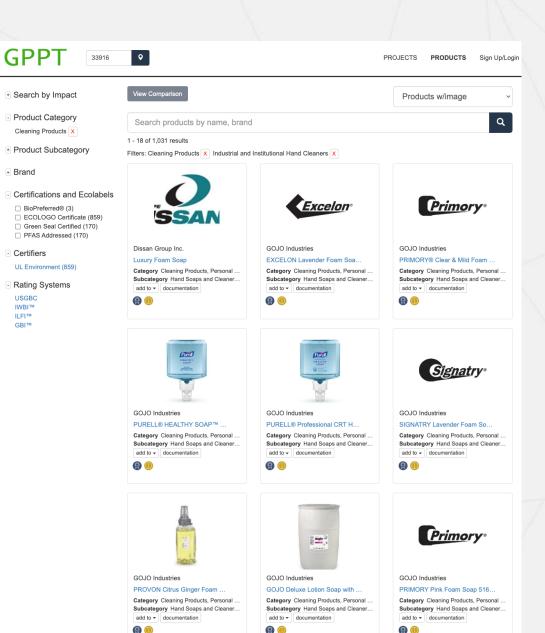
Biostar (3)

Dial (2)

Finndu (1)

Focus (2)

Kutol Products Company (2) Laboratories Choisy Ltée (2) Lemyn Organics® (17)



### Platform Tour Rich Product Data at your fingertips



Search products by name, brand

PROJECTS

PRODUCTS

Sign Up/Login

Cleaning Products, Miscellaneous, Personal Care / Hand Soaps and Cleaners, Industrial and Institutional Hand Cleaners

The information contained in this site was provided by the producer and/or certifier and we endeavor to keep the information up to date and correct. ecomedes make no representations or warranties of any kind, express or implied, about the completeness or availability of the product information on the site for any purpose. We encourage users to contact the producer or certifier directly for additional details. It's important to note that no products individually or collectively, can

guarantee a specific number of points for LEED, WELL, GreenGlobes or LBC certifications.

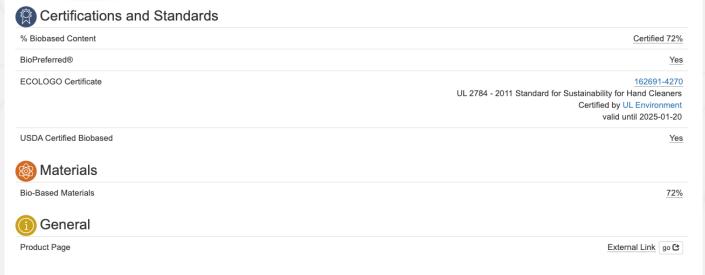


#### GOJO Industries PURELL HEALTHY SOAP™ Mild Foam / purell-healthy-soap-

Category Cleaning Products, Miscellaneous, Personal Care

Hand Soaps and Cleaners, Industrial and Institutional Hand Cleaners

5069-02-EEU00 1200 mL ES4 refill PURELL HEALTHY SOAP™ Mild Foam



# 3 ecoDATA **Elements**

The System organizes all the data.

- Certification and Standards
  - BioBased Content 72%
  - Bio Preferred
  - UL ECOLOGO Certificate

### Platform Tour

### **Product Comparisons available in** seconds

### **Data Driven Analysis**

- 5 Products Side by Side
- Apples to Apples
- 60+ Unique Product Attributes
  - Certifications and Standards
  - General



Search products by name, brand



33916



**PROJECTS** 

**PRODUCTS** 

Paul Shahriari -



#### Wood Wyant - A division of The Sani-Marc Group

VERT2GO BIO INDUSTRIAL **DEGREASER** 

#### Category

remove

Cleaning Products Subcategory Household Cleaners,

General Purpose



#### Mrs. Mever's Clean Day Iowa Pine Dish Soap

Category Cleaning Products Subcategory Household Cleaners General Purpose

remove



#### Avmor EcoPure EP 80 Multi-use Floor Coating

Category Cleaning Products Subcategory Household Cleaners. General Purpose

remove



#### **GMS** Industrial Supply Inc Natural

Reflections Bio

Category Cleaning Products Subcategory Household Cleaners. General Purpose

remove



#### Bio-Vert/Savons Prolav Inc. Biovert

Citrus Fresh Dishwashing Liquid/ Biovert Liquide à Vaisselle Agrumes, 10 L

#### Category

Cleaning Products Subcategory Household Cleaners. General Purpose

remove



#### Certifications and Standards

**ECOLOGO** Certificate

230847-4270

UL 2792 - 2012 Standard for

Sustainability for Cleaning and Degreasing Compounds: Biologically-based Certified by UL

Environment valid until 2025-05-25

97498-4270

UL 2759 - 2011 Standard for the Sustainability for Hard Surface Cleaners Certified by UL Environment

32050-4270

UL 2777 - 2011 Standard for the Sustainability for Hard Floor Care Products Certified by UL Environment

valid until 2025-07-16 valid until 2025-01-24

130334-4270

UL 2759 - 2011 Standard for the Sustainability for Hard Surface Cleaners Certified by UL Environment

valid until 2025-09-27

valid until 2025-01-07

31727-4270 UL 2759 - 2011 Standard for the Sustainability for Hard Surface Cleaners Certified by UL Environment



MasterFormat®

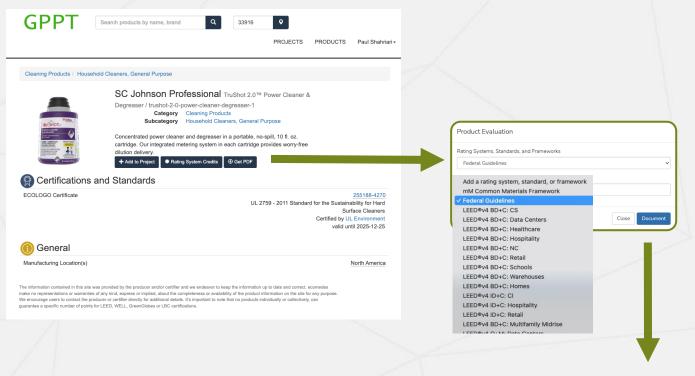
Number

Contact Name Lai-Na Wong Manufacturing North America Location(s)

02 00 00, 12 00 00

North America

# Platform Tour Product Analysis & Documentation



- Products and Projects can be analyzed and documented through a wide variety of compliance and contribution methodologies:
  - Canadian Green Procurement Rules -TBD
  - US Federal Guidelines GPC
  - LEED
  - WELL
  - Living Building Challenge
  - Green Globes
  - mindful MATERIALS

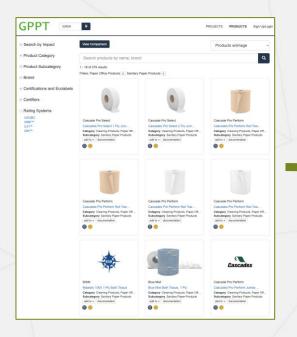
### **Rating System Contributions**

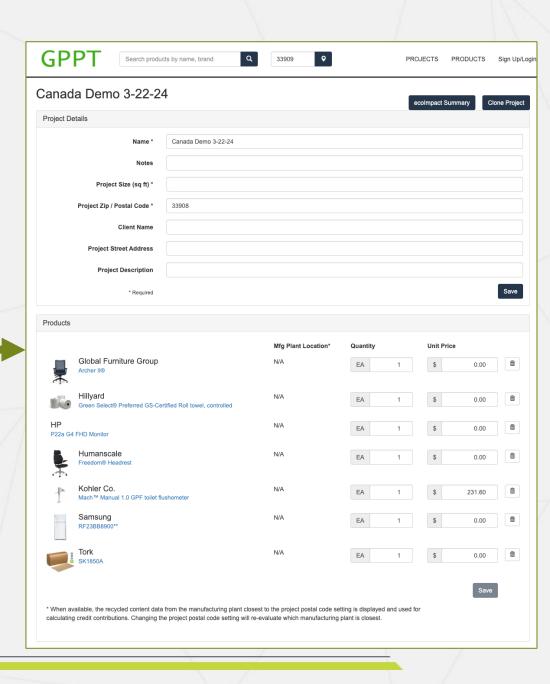


## Platform Tour Creating a Project

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

- 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
- Your Full Report will be ready in a couple of seconds





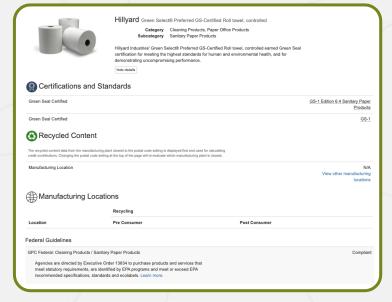
# Platform Tour Project / Procurement Documentation in a single click

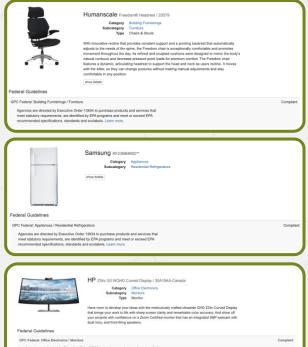


	Product	Mfg Plant Location	Quantity	Total Cost
*	Humanscale Freedom® Headrest	Piscataway, NJ, USA   Dublin, IE   Jiaxin, CN	1	\$0
*	Global Furniture Group	-	1	\$0
1	<b>Samsung</b> RF23BB8900**	-	1	\$0
test	HP P22a G4 FHD Monitor	-	1	\$0
Ŧ	Kohler Co. Mach™ Manual 1.0 GPF toilet flushometer	_	1	\$0
15 in	Hillyard Green Select® Preferred GS-Certified Roll towel, controlled	_	1	\$0
•	<b>Tork</b> <u>SKI850A</u>	-	1	\$0

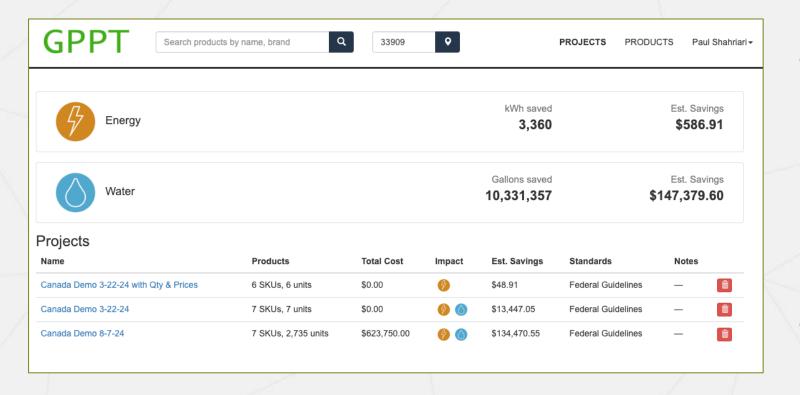
	^
GPC Federal: Plumbing Systems / Flush Valves	Partially Compliant
GPC Federal: Building Furnishings / Furniture	Partially Compliant
GPC Federal: Appliances / Residential Refrigerators	Partially Compliant
GPC Federal: Cleaning Products / Sanitary Paper Products	Partially Compliant

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.

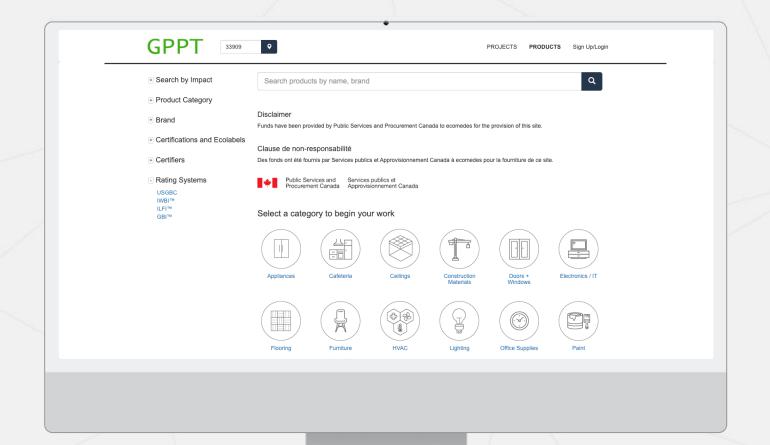




# Platform Tour User Impact Dashboard



- 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.





- 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













# THE PUBLIC PROCUREMENT OPPORTUNITY

- Annual Public Sector Procurement Spend represents 13% of Canada's GDP
- Direct and Indirect Influences:
  - Direct spending on goods and services.
  - Stimulus to the economy.
  - Funding to other organizations.
  - Training and employment.
- Most immediate and direct mechanism to drive broader public policy objectives: economic, environmental, and social.
- Pace setter and market shaper.
- Scalable no matter size nor location.

# \$300 BILLION



Amount spent on public sector procurement in Canada annually.





# **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



### 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

#### **Light Fixtures**

Last Updated: 02/27/24



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.





Buy on GSA Advantage!

Lighting U.S. GSA Required	Certification Logo	Relevant Sub-category	Biodiver -sity	GHG Emission	Air Quality	Hazardous Waste	Resource Efficiency	Ozone Depleting	Toxic, Hazardous Chemicals	Solid Waste / Reuse & Recycling	Biobased Content
Energy Star	ENERGY STAR	Ceiling Fans, Light Bulbs (Compact Fluorescent Lamps and LED Lighting), Light Fixtures		✓			✓				
Federal Energy Management Program	-						✓				
GSA's Green Proving Ground	-	Air Conditioners & Residential and Light Commercial Air Conditioning and Heat Pumps					✓				

### Lighting

Canadian and Other Ecolabels, Certifications and Standards



DesignLight
Consortium
Qualified Products



Standard BNQ 0605-300 (Horticultural)

### 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

# 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**

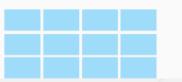
- Mural Board post-it notes
  - Double-click on post-it note to type in feedback to questions



#### LIGHTING



- Are there certifications/standards that we have and use in Canada that should be considered and are not listed here (in one or both official languages)? If so, which one(s)?
- 2. Are you aware of other international environmental certifications/standards that are applicable to lighting products or that may be used in this industry, which you would recommend for inclusion moving forward? If so what are they and why?





#### Environmental

- For ecolabels you are familiar with, are there environmental impact categories that are missing or important from a Canadian perspective? If so, which ones?
- 4. Are there life cycle stages not being considered? If so, which ones?
- Are there environmental criteria which would be more impactful? Which one?



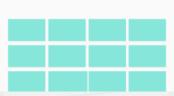
#### Other Consideration

- 6. In your opinion, are certifications and verification fees transparent?
- Are there other sources of third-party verified data that identify environmental performance or preferability that should be considered in this category? Which organization or certification?



#### Are you aware of 3rd party certifications applicable to

- this category that Canada might eventually like to include in relation to:
  a) Diversity and inclusion
- a) Diversity and inclusion
   b) Indigenous reconciliation
- c) Forced labour and modern slavery
- d) Gender Based-Analysis (including LGBTQ2+)
- e) Persons with disabilities
- f) Economic equality



### 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

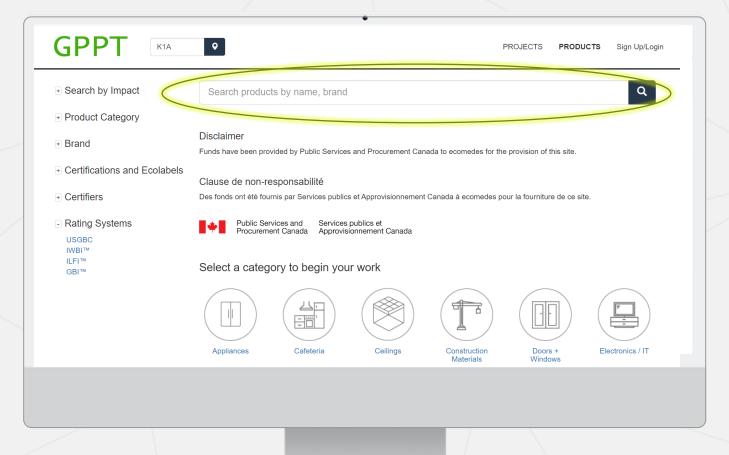
- □ Draft filter language along with market data availability shared with procurement teams for review
- PSPC shares the draft filter pilot requirements and data structure back with stakeholders for feedback prior to Sn. management decision (\*if possible)

#### Stage 3: ecomedes launches pilot product filters into canada.ecomedes.com

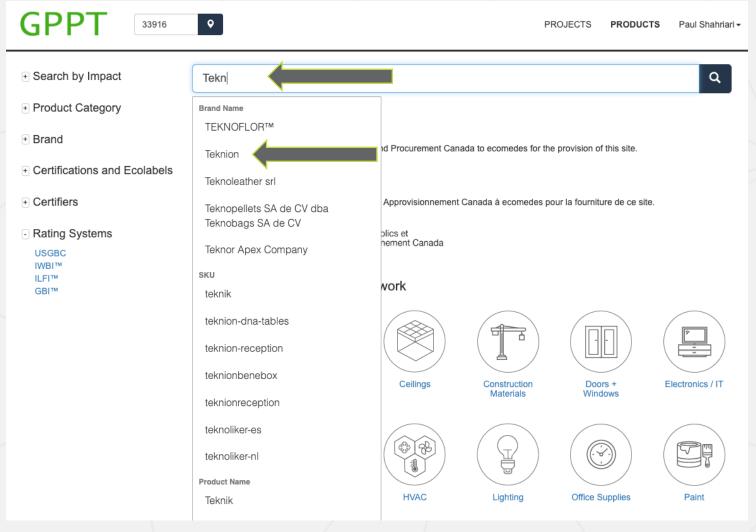
- Onboard the registries of certified products or programs where performance testing can be verified
  - these go into the large ecomedes database used in the U.S. also
- Manufacturers can enrich their product data with more attributes

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

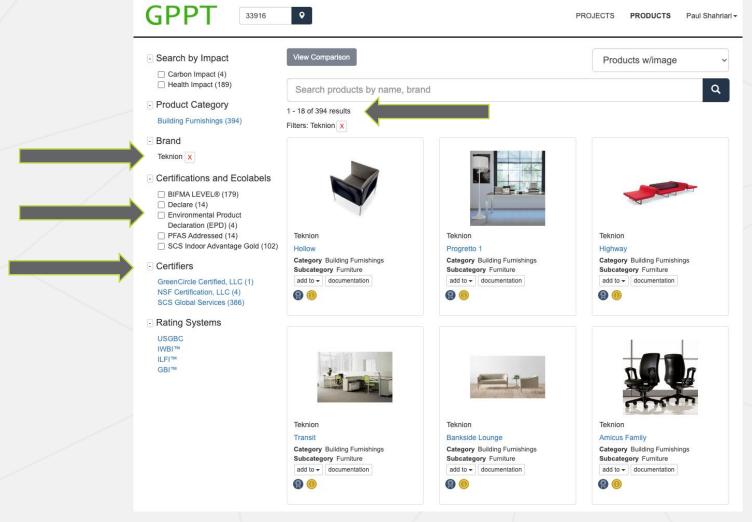
# Search for your brand/company products



# Search for your brand/company products



# Search for your brand/company products



# 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 <u>Canada.ecomedes.com</u>
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 program
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 about mid-way the customization and consultations
- Additional Feedback?
  - Green Public Procurement Tool for the Government of Canada Stakeholder Engagement Survey
- Additional Consultations:
  - https://circularinnovation.ca/pspc-consultation-sessions-and-registration/
- Consultation Feedback Poll

# Thank you and questions



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