

City of Portland **Sustainable** Procurement Program

P2 WEST: INSPIRATION, INNOVATION, IMPLEMENTATION REGION 9 & 10 POLLUTION PREVENTION (P2) ROUNDTABLE

October 19, 2022



Stacey Foreman Sustainable Procurement Program Manager City of Portland, Oregon

Outline

- Program Approach
- Implementation Examples
- SP-hacks

Program Approach

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SOL

Program Foundation

- Supported by a City Sustainable Procurement Policy
 - SP Policy aligns with other sustainability policies (i.e. climate, green building)
- I FTE, housed in the central procurement office
- Small (18K) annual program budget, plus one-time funds

Program Approach

- Practically Speaking.... It's About....
 - Understanding *impacts*
 - Prioritizing what matters? How can we best leverage our influence?
 - Taking Action for the better
 - Learning continuous improvement

Core Program Activities

Implementation looks like...

"Everyday" Resources

- Tools for procurement staff
- "Cut/Paste" specs, topic background info, etc.
- "Basics" that don't change often

Special Projects

- High Impact, High Priority
- "Emerging" practices that need pilot testing, proof of concept

SME Support

- Training Services
- Evaluation technical assistance
- On-Demand Q/A
- Cross-Bureau committees

(Plus various program administration responsibilities)



SUSTAINABLE PROCUREMENT GUIDE Office Electronics June 2021

Use This Guide When Procuring

- · Computers (desktops, integrated desktops, workstations, notebooks, thin clients, and tablets)
- Monitors and displays
- Servers
- · Imaging equipment (copiers, printers, scanners, fax machines, and multi-function devices)
- Televisions
- Mobile phones
- · Other office electronics

How to Procure

certified.

Standards

Work with your office technology coordinator on procuring office electronics through the Bureau of Technology Services (BTS).

Minimum Requirements Specify or seek:

- ENERGY STAR-certified office electronics.
- EPEAT-registered office electronics for all applicable product categories.
- Imaging equipment with duplex capability. Recyclers that are R2 or e-Stewards

The above requirements originate from the City's

Sustainable Procurement Policy and BTS Technology

- and progress towards, sourcing minerals.

Procurement staff: check the SP Language Library for template specifications.

The City of Portland, Oregon, Sustainable Procurement Program





Going Beyond Requireme Procurement staff: check the Evaluative Criteria

applicable evaluative criteria questions. Foster manufacturer take-back

- using leasing programs or inclu end-of-life responsibility require · Require easily upgradeable/rep
 - equipment to extend product lif · Evaluate manufacturers' engag

In every purchase, the City

Sustainable Procurement Language Library Mandatory Specifications Flooring – Carpet

Version Date: December 2021

Text in PURPLE includes instructions on the applicable solicitation section (where to place the text). Text in RED may be edited as applicable to the solicitation. Questions about applicability? Please contact the Sustainable Procurement Program Manager. Questions about some of the terminology or impact issues? Check out the Sustainable Procurement Topics section on the Sustainable Procurement Resources for Employees website.

ADD TO SCOPE OF WORK/TECHNICAL REQUIREMENTS:

1. Mandatory Environmental and Human Health Requirements

Upon request, the Contractor will be expected to provide applicable documentation confirming that products meet these Mandatory Environmental and Human Health requirements. As applicable to the individual criteria, documentation will be in the form of third-party certificates, product test results, applicable forms, a formal letter of assurance from the manufacturer stating the product meets individual sustainability criteria, and/or other documentation as needed to meet green building certification documentation requirements (such as for LEED, WELL, Living Building Challenge, etc.).

- 1. The following requirements apply to carpet tile, broadloom carpet, and carpet padding (unless otherwise specified). In order to comply with this specification, every part of the carpet -including the face fiber, backing and adhesives -- shall meet the criteria below (unless otherwise specified). These criteria do not apply to area rugs or outdoor carpet and rugs.
 - a. Multi-Attribute Product Certification
 - All carpet products shall be certified to one of the following:
 - NSF/ANSI 140 at the Gold level
 - Cradle to Cradle at the Silver level or higher
 - b. VOC Emissions
 - All* carpet products shall be certified as meeting one of the following: Carpet and Rug Institute Green Label Plus
 - Cradle to Cradle Gold or Platinum

*Broadloom carpet that contains styrene-butadiene rubber (SBR) shall meet Carpet and Rug Institute Green Label Plus.

- c. Prohibited or Restricted Chemicals/Compounds All carpet products shall not contain:
 - Polyvinyl chloride (PVC, or vinyl) or other chlorinated polymers;
 - Polyurethane;
 - Bitumin;
 - Flame retardants above 100 ppm:
 - Added formaldehyde or formaldehyde-based formulations;

Home / Procurement / Sustainable Procurement Resources for Employees

View Edit Delete Revisions Clone

Sustainable Procurement Learn More Topics

Sustainable Procurement Resources	On this page
Sustainable Procurement Solicitation Language	About Agricultural Residues Alternative Fuels
Sustainable Procurement Guides	Antimicrobials
Sustainable Procurement Topics	Biobased Biodegradable
Sustainable Procurement Trainings	Carbon Neutral
Sustainable Procurement Hot Spots	<u>Compostable</u> <u>Conflict Minerals</u>
Sustainable Procurement Impact	Diesel Particulate Matter Disinfectants
	Eco-Labels and Product/Service Standards
Sustainable Procurement SMEs	Embodied Carbon
Environmentally Responsible Paper Standard	Environmental Product Declarations (EPDs) Flame Retardant Chemicals Fluorinated Chemicals (e.g. PFC, PFAS, PFOA, etc.



- Health Product Declarations (HPDs)
 - Integrated Design Process

Greenwashing

- Labor Peace Agreements
- Life Cycle Assessment (LCA) Life Cycle Costing (LCC)
- Low-Emitting Products
 - Sustainable Procurement

Stuff We All Get or Stuff We Actually Need?

When attending virtual conferences and events over the past couple of years, what did you miss most compared to in-person events? Socializing, informal learning, SWAG???... In April, the Oregon Department of Environmental Quality (DEQ) published a report on the lifecycle environmental impacts of a SWAG (Stuff We All Get) box mailed to attendees of a virtual conference. While a virtual conference typically has a lower carbon footprint (the amount of greenhouse gas emissions released into the atmosphere by a given activity) than an in-person event, it still has an impact, and what it interesting from this report is that the act of producing and mailing a SWAG box to attendees contributed to 40% to the carbon footprint of this virtual conference. In other words, the planners of this event could have reduced the carbon footprint of their conference by 40% by simply choosing not to send out an unsolicited SWAG box. And, to clarify, it wasn't because of the mailing ... the SWAG's carbon footprint was mostly tied to product manufacturing/production.



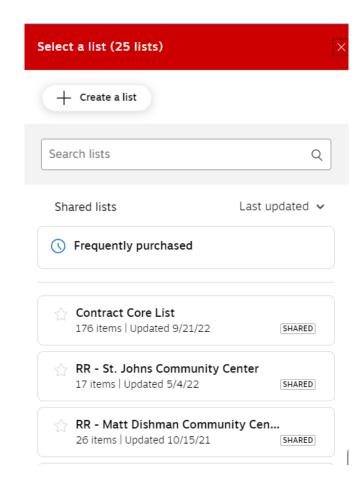


Special Project Examples

- Establish Price Agreement
- Pilot Test Implementation Approach
- Scale Up + Hands-On Set-Up Assistance
- Report on Results

- Establish Price Agreement
 - Understanding end-user values and needs (besides just quality products)
 - Janitorial staff: sealed auto-dilution
 - Building staff: better inventory control, ease of ordering, timely delivery, standardization
 - Facilities staff: no wall-mounted dilution fixtures

- Pilot Test
 - Switching to Staff-Controlled Inventory (rather than vendor-controlled)
 - Site Audits what products and fixtures do they need – what do they use now and why
 - Work out who is responsible for what and how to make it easy - such as building-specific shopping lists



- Scaling Up with Hands-On Assistance
 - Cleaned out old, organized the new
 - Trained staff on how to order/use shopping lists



- Report on Results
 - Staff Feedback
 - Benefits/Drawbacks
 - Cost Impacts

Report on Portland Parks & Recreation Custodial Supplies Project toSwitch fromto City-Provided Custodial Supplies:Project Outcomes and Recommendations



Prepared by: Stacey Foreman, Sustainable Procurement Coordinator City of Portland Procurement Services

October 2017

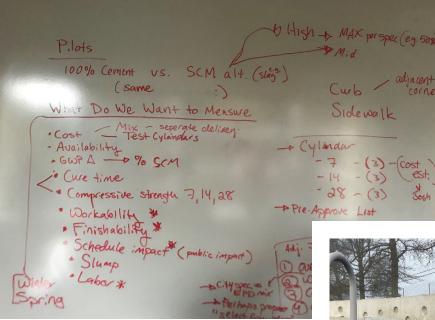
Low-Carbon Concrete

- High impact material
- Aligns with GHG reduction priority
- Very controlled product lots of testing, requirements, processes associated with the material



Low-Carbon Concrete

- Understand Who Key SMEs/Decision Makers Are
- Internal Stakeholder Buy-In to Pilot Changes
- Get Data/Understand Baseline
- Understand Stakeholder Concerns
- Pilot Test, Report on Findings, Continue Testing as Needed
- Internal and External Stakeholder Engagement in Decision Making



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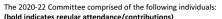
May 23, 2022

NOTICE OF NEW REQUIREMENTS FOR CONCRETE

The City of Portland is adding Concrete Embodied Carbon Threshold requirements, as further specified below, to the approval process for the supply of Portland Cement Concrete (PCC), including: Commercial Grade Concrete



:/Structural Concrete (HPC) for City id related implementation procedures ommittee specifically convened for the



old indicates regular at	tendance/contributions)	
Name	Representing	Stakeholder Type
Stacey Foreman	City of Portland – Sustainable	City Bureau/Committee
	Procurement Program	Convener
Joe Broberg	City of Portland – Water Bureau	City Bureau
Todd Liles	City of Portland – Bureau of	City Bureau
	Transportation	
Andrew Weiher	City of Portland – Bureau of	City Bureau
	Environmental Services - Materials	
	Testing Lab	
Jordan Palmeri	Oregon Department of Environmental	Subject Matter Expert –
	Quality	Low Carbon Concrete
Dave Germer	CalPortland	Concrete Producer
Greg Wong	Knife River	Concrete Producer
Robert Raynes	Cadman	Concrete Producer
Michael Bernert	Wilsonville Concrete	Concrete Producer
Brian Moran (alt:	Troutdale Sand and Gravel	Concrete Producer
Mike Anderson)		
Eric McDonnell	Holmes Structures	Engineer
Matthew Perkins	Stantec	Engineer
Josh Richards	KPFF Engineers	Engineer
Steve Clem	Skanska	Contractor
Bill Mariucci	Kiewit Corporation	Contractor
Cary Bubenik	Hoffman Construction Company	Contractor
Webster (Web)	Raimore Construction	Contractor
Moreland		
Baha Sadreddin	ZGF Architects / Jacobs	Architect
Rich Angstrom	Oregon Concrete and Aggregate	Subject Matter Expert
	Producers Association	



Low-Carbon Concrete: Type 1L + Slag Mixes for Retaining Walls and Other Park Infrastructure

This case study provides information on the use of low-carbon concrete at one of Portland Parks & Recreation's playground improvement projects.

February 2022





- Prioritize
 - Alignment with organizational goals/values
 - Synergies with other programs/initiatives
 - Feasibility
 - Meaningful, adds value, high impact
 - Builds momentum

- Foster Stakeholder Buy-In for Lasting Change
 - Understand stakeholder values, processes
 - Remove a Pain, and/or Create a Gain
 - Communicate the "why" in their terms
 - Make the change process "easy", if possible
 - Pilot tests are a good way to learn, while building relationships

- Reoccurring Communication / Engagement
 - Let your stakeholders / audience know the people behind the program
 - Create communications/resources that are audience specific
 - Develop routine stakeholder engagement opportunities



Thank You

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