





54-44.4-07.
Procurement of
environmentally
preferable products

54-44.4-08. Purchase
of recycled paper
products

www.nd.gov/spo/agency/green



Procurement Policy Statement No. 2009-1,
State of South Carolina Environmentally
Preferred Purchasing Policy

procurement.sc.gov/webfiles/MMO_POL_GD/2009-1.pdf

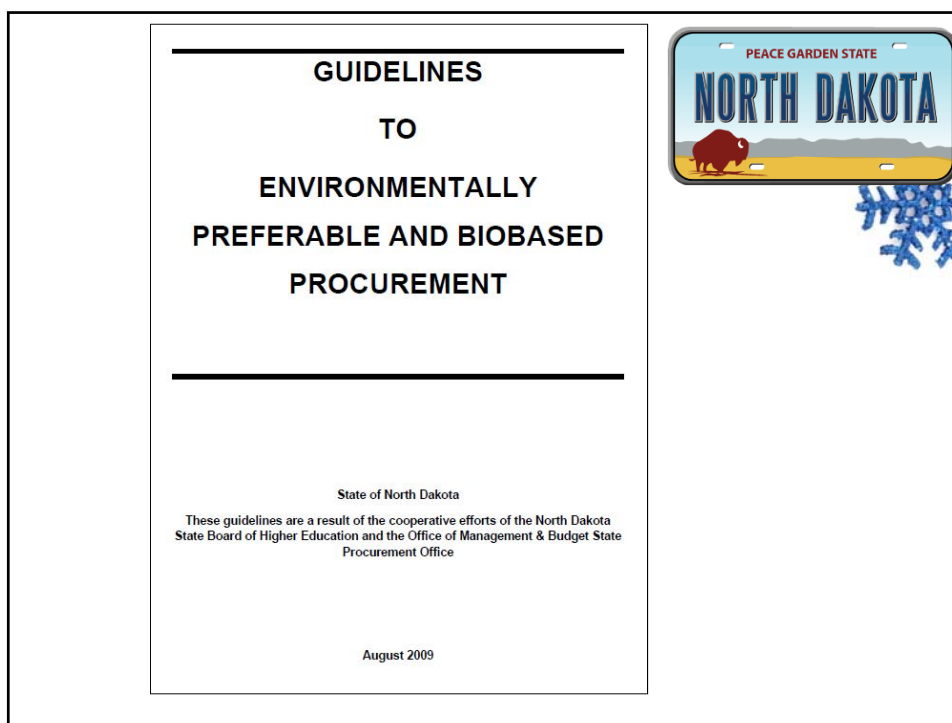


Step 1
**Identify Your
State's
Green Purchasing
Policy**

Step 1 - Identify Your State's Green
Purchasing Policy



Are there **guidelines**
or endeavors to
consider?



Step 1 - Identify Your State's Green Purchasing Policy

Are there **reporting
requirements** that
must be met?



(Recycled paper content, pollution prevention
measures, etc.)

Step 2
**Develop a
Checklist
Based on
Your State's Policy**



Step 2 - Develop a Checklist Based on Your
State's Policy

Develop **categories** that **align** with the
policy for tracking purposes.



Bio-based	Low-toxicity
Biodegradable	Made from rapidly renewable materials
Carcinogen-free	Persistent, bio-accumulative toxic (PBT)-free
Chlorofluorocarbon (CFC)-free	Recyclable
Compostable	Recycled content
Durable	Reduced greenhouse gas emissions
Energy efficient	Reduced packaging
Heavy metal free (e.g., no lead, mercury, cadmium)	Refurbished
Less hazardous	Resource efficiency
Location of manufacturing (carbon blueprint)	Reusable
Low volatile organic compound (VOC) content	Upgradeable
	Water efficient









ENVIRONMENTALLY PREFERRED PURCHASING POLICY CHECKLIST

The following is a checklist of questions to help guide you in the development of procurements to enhance the use of environmentally preferred products and/or services.

SOURCE REDUCTION

1. ☐ If purchasing products that are durable, long lasting, reusable or refillable:
2. ☐ Did you ask for remanufactured products (i.e. toner cartridges, tires, furniture, equipment & automotive parts?
3. ☐ Did you evaluate the total cost of the product such as acquisition, extended warranties, operation costs, supplies, maintenance, and end-of-life management?
4. ☐ Did you require reduced or recycled packaging or even consider eliminating packaging?
5. ☐ Did you seek companies that take financial and/or physical responsibility for collecting, recycling, or reusing their products?
6. ☐ Did you ask if manufacturers safely manage these products and packaging at the end of their useful life?
7. ☐ Did you request vendors provide information on how they recycle or if they have manufacturer financed recycling?

Step 2 - Develop a Checklist Based on Your State's Policy



Avoid Greenwashing!

What **resources** exist for sound “green” specifications that align with the policy?

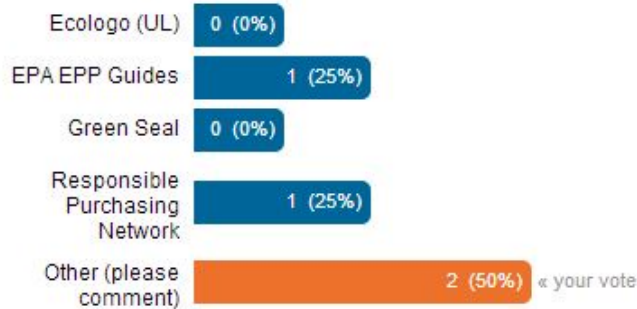
Resources - Examples



LinkedIn Survey Results Green Public Procurement Group

Which online resource(s) do you use when developing environmentally preferable product specifications?

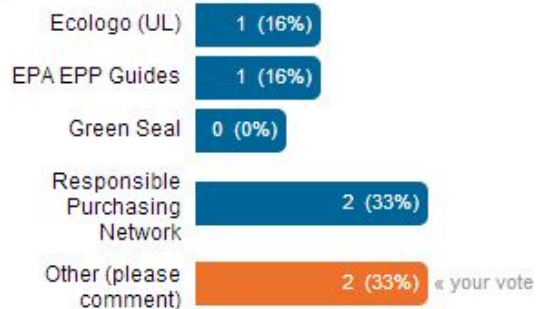
posted 29 days ago • 4 votes



LinkedIn Survey Results NIGP Group

Which online resource(s) do you use when developing environmentally preferable product specifications?

posted 29 days ago • 6 votes



Step 2 - Develop a Checklist Based on Your State's Policy

Identify calculators or
measurement methods

Check with other states
and the NASPO GPC.



Calculator - Example



U.S. ENVIRONMENTAL PROTECTION AGENCY

Pollution Prevention (P2)

Recent Additions | Contact Us | Search: All EPA ☒ OPPT

You are here: EPA Home » Chemical Safety & Pollution Prevention » Pollution Prevention & Toxics » Pollution Prevention » Measurement

Measuring Pollution Prevention

- What Does Pollution Prevention Measurement Mean?
- P2 Calculators
- Who Is Using P2 Measures?
- Why Measure P2 Program Impacts?
- EPA Office of the Inspector General (OIG)

Resources

- Global Reporting Initiative (GRI)

What Does Pollution Prevention Measurement Mean?

Measuring results is an essential component of any successful P2 program and is one way to determine the success of a technical assistance or training effort. Different types of activities will lead to different outcomes or results of P2 program activities. Outcomes may be knowledge-based, behavioral, health-related, or environmental in nature. Ultimately these outcomes can lead to improvements in environmental or environmentally-based health-risk conditions.

Short-term P2 outcomes reflect changes in knowledge, attitude or skills, for example: increased awareness of P2 practices or increased knowledge of how to implement P2 options. Intermediate outcomes include adoption of P2 practices or developing a P2 plan. Ultimately these changes can result long-term outcomes such as conservation of natural resources, decreased exposure to toxics, decreased release of toxics to the environment, and cost savings.

P2 Calculators

P2 Calculator spread sheets are designed to help measure the environmental and economic performance results of P2 activities. These calculators can demonstrate the unique multi-media perspective that P2 brings to reduce GHG reductions and cost savings.

epa.gov/p2/pubs/resources/measurement.html

Calculator - Example

The screenshot shows the homepage of the Environmental Paper Network's Paper Calculator. The header includes the logo, a search bar, and a newsletter sign-up form. A navigation menu lists 'Our Network', 'Resources', 'Projects', 'Blog', 'Media', 'Newsletters', and 'Donate'. The main content area features a 'Paper Calculator' button, a description of the tool, and a list of links: Home, About the Paper Calculator, FAQs, Glossary of Terms A-K, and Glossary of Terms L-R. A sidebar on the right shows a stack of paper rolls.

Environmental Paper Network

SEARCH OUR SITE
Keywords

JOIN THE E-NEWSLETTER
Email Address

Our Network » Resources » Projects » Blog | Media | Newsletters » Donate

CONNECT WITH US
[Email](#) [Facebook](#) [Twitter](#) [YouTube](#)

Paper Calculator

Home
About the Paper Calculator
FAQs
Glossary of Terms A-K
Glossary of Terms L-R

Paper Calculator
presented by environmental paper network

The Paper Calculator is the premier tool for measuring the environmental impacts of paper and discovering the best paper choices. Use it to quantify the impacts of your paper usage, and to compare different grades and types of paper with varying amounts of recycled content.

The Paper Calculator is supported by the Environmental Paper Network, a coalition of over 100 non-profit organizations working toward the sustainable production and consumption of pulp and paper.

c.environmentalpaper.org/home

Tracking Spreadsheet - Example

	A	B	C	D	E
	CONTRACT	EPP CHECKLIST CATEGORY	EPP MEASUREMENT	ANNUAL GHG REDUCTION (MTCO ₂ e; METRIC TONS OF CARBON DIOXIDE EQUIVALENT)	REMARKS
1	Off Road Ultra Low-Sulfur Diesel (ULSD)	Pollution Prevention and Toxics Reduction	Replacing 7,500 gallons of diesel with ultra low-sulfur diesel, across 4 zones, compared to regular diesel	214.68	www.epa.gov/p2/pubs/resources/mess
2	Ultra-Low Sulfur Diesel, Bio-Diesel	Pollution Prevention and Toxics Reduction	Replacing 7,500 gallons of diesel with ultra low-sulfur diesel or 100% biodiesel, across 4 zones, compared to regular diesel	214.68	www.epa.gov/p2/pubs/resources/mess
3	E10 Ethanol Blended Gasoline	Pollution Prevention and Toxics Reduction	Replacing 7,500 gallons of gasoline with E10 ethanol, across 4 zones, compared to regular gasoline	12.58	www.epa.gov/p2/pubs/resources/mess
4	Paper Towels, Toilet Paper, & Dispensers	Recycled-Content Products	Paper Towels 40% Postconsumer Fiber; 100% Recovered Fiber, based on 1 ton of paper (newsprint as equivalent)	2.30	http://www.epa.gov/epawaste/conservation/tools/leaf
5		Recycled-Content Products	Reeflex Tissue 20% Postconsumer Fiber; 100% Recovered Fiber, based on 1 ton of paper (newsprint as equivalent)	2.60	http://www.epa.gov/epawaste/conservation/tools/leaf
6		Recycled-Content Products	Biodegradable Can Liners (minimum 25% post recycle content), based on 15 ton purchased over 30 years	0.27	http://www.epa.gov/epawaste/conservation/tools/leaf
7	Trash Can Liners	Recycled-Content Products	Biodegradable Can Liners (minimum 25% post recycle content), based on 15 ton purchased over 30 years	0.27	http://www.epa.gov/epawaste/conservation/tools/leaf
8		Recycled-Content Products	Offset paper, 50% recycled, based on 1 ton of paper	0.47	http://www.environmentalpaper.org
9		Recycled-Content Products	Bolix Cascade Paper Aspen 30% recycled, based on 1 ton of paper	0.28	http://www.environmentalpaper.org
10		Recycled-Content Products	Offset paper, 10% recycled, based on 1 ton of paper	0.09	http://www.environmentalpaper.org
11		Recycled-Content Products	Carbonless paper		http://www.environmentalpaper.org
12		Recycled-Content Products	Recycled Index Paper		http://www.environmentalpaper.org
13		Recycled-Content Products	Vellum cover stock, 10% recycled, based on 1 ton of paper	0.09	http://www.environmentalpaper.org
14		Recycled-Content Products	Recycled Envelopes, assuming 30% recycled, based on 0.5 ton of envelopes	1.10	http://www.environmentalpaper.org

Step 3
**Statewide Term
Contracts**
In a Different Light

A 3D golden stick figure stands with its arms raised, holding a large, glowing sun above its head. The sun has a bright yellow center and radiating golden rays.

Step 3 - Statewide Term Contracts

Four 3D golden stick figures are arranged in a diamond pattern, each holding a puzzle piece. The puzzle pieces are interlocking and form a larger diamond shape in the center.

What considerations should be given to **specifications**, to **align** with the policy?

Step 3 - Statewide Term Contracts



Which **contracts** satisfy some aspects of the policy?

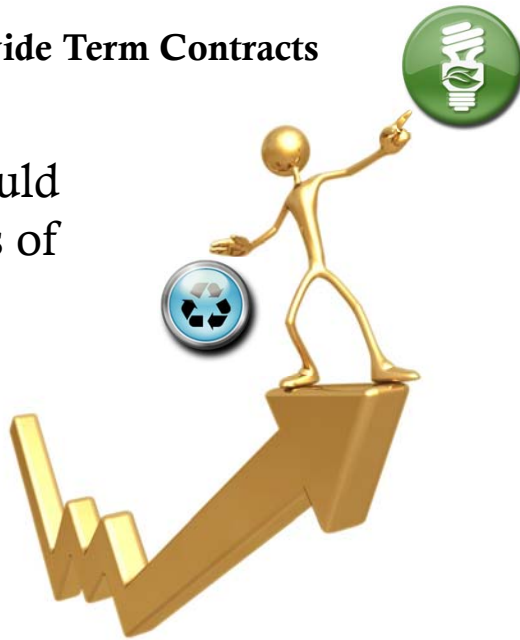
Step 3 - Statewide Term Contracts



Which contracts could satisfy some aspects of the policy when **renewed**?

Step 3 - Statewide Term Contracts

Which contracts could satisfy some aspects of the policy when **re-advertised**?



Step 4

On the Road
to
**State Agencies
&
Higher Education**



Step 4 - State Agencies & Higher Education

Educate about the policy:



- Procurement training
- Agency meetings
- Procurement newsletter
- Procurement website
- Procurement Blog
- Facebook page
- Twitter

North Dakota
OMB
Central Services
State Procurement

OMB Home • SPO Home • Staff • Links • Newsletters • SPO Online • Feedback

- Get Registered
- **Agency Center**
 - Agency eServices
 - Agency Assignments
 - State Contracts
 - Solicitations
 - Supply Sources
 - Work Activity Centers
 - Agency Forms
 - Sample Templates
 - Training
 - Cooperative Purchasing
 - **Green Purchasing**
 - Debarred Vendors
- Bids & Contracts
- Laws, Rules, Guidelines
- ConnectND/PeopleSoft

14th Floor State Capitol Tower
600 E Boulevard Ave. Dept. 012
Bismarck, ND 58505-0310

General Information and
Bidder Registration
701-328-2683 - Phone
701-328-1615 - Fax
infospo@nd.gov

nd.gov Official Portal for
North Dakota State Government

Environmentally Preferable Products
State Procurement Office
www.nd.gov/spo/agency/green

Green Purchasing

Environmentally Preferable Products

Green procurement requires the use of environmentally preferable and biobased products to the extent that such reasonably priced. What are environmentally preferable products? They are goods and services that have a less the same purpose.

Some samples of these products or services would include...

- Rechargeable batteries
- Biodegradable warewashing chemicals
- Recycled office / copy paper
- Requesting soybean based ink on print jobs
- Remanufactured office furniture
- Remanufactured biobased toner cartridges
- Recycled poly can liners (garbage bags)
- Office recycling services

Recycled Product Purchasing
Finding products made from recycled materials can be easy. Try to select products with the highest recycled content.

Step 4 - State Agencies & Higher Education

*Greenest Contract
Award*

*Acknowledgement
of "Top 5"*



Develop an incentive / award program

Step 4 - State Agencies & Higher Education



Brainstorm with auditors!
Maybe they will
collaborate on outreach
and education about the
policy.

Roundtable Discussion



Special Thanks!



Sherry Neas (ND)

Ken Hamel (ND)



Voight Shealy (SC)

Norma Hall (SC)

John Stevens (SC)



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