National Pollution Prevention Roundtable's

2025 Safer Chemistry Challenge Program

www.p2.org

(202) 299-9701

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NPPRs the 2025 Safer Chemistry Challenge Program-Objective

The 2025 Safer Chemistry Program is designed to motivate, challenge and reward facilities to reduce the use of chemicals, especially hazardous chemicals through source reduction measures

Why NPPR

It's expertise , capabilities and accomplishments

The National Pollution Prevention Roundtable - Mission

The National Pollution Prevention Roundtable (NPPR) is the largest membership organization in the United States devoted solely to promoting pollution prevention (P^2). The Roundtable provides a national forum for promoting the development, implementation, and evaluation of efforts to ***avoid, eliminate*** **or** ***reduce*** pollution at the source.

Why NPPR

It's expertise , capabilities and accomplishments

NPPR has a successful 25 year track record in pollution prevention and known for:

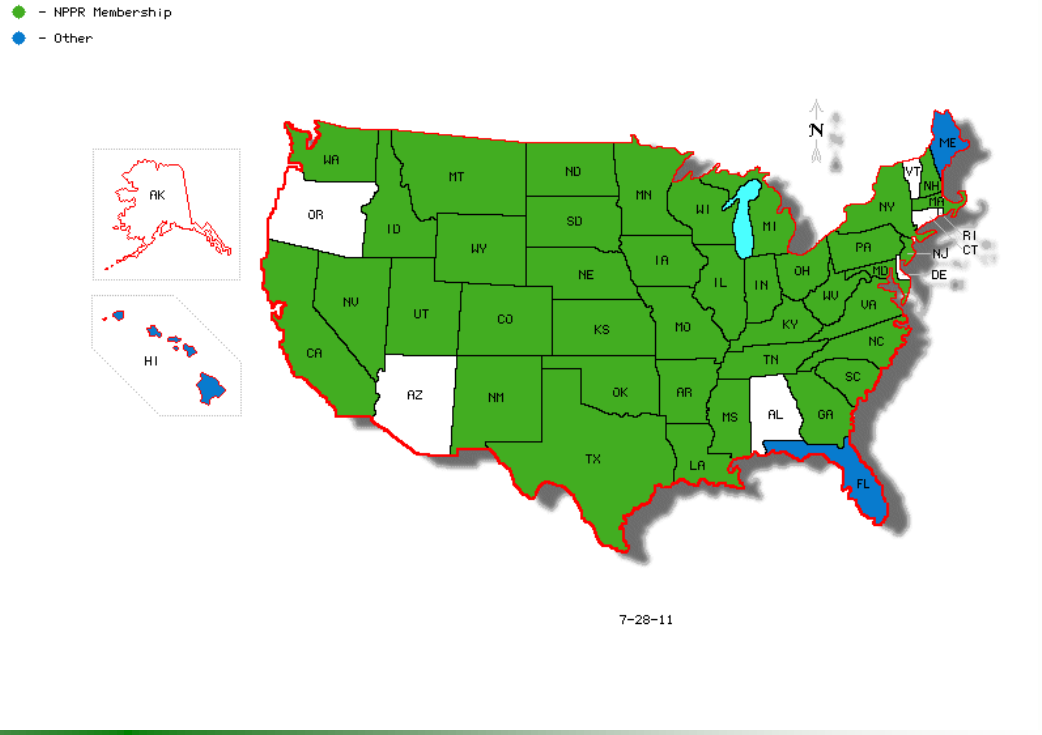
- Results
- P2 Innovation (NC, MN, WA, MA)
- Membership expertise in areas of program management, policy engineering, science and regulations
- Standing workgroups focused on training, education, planning, regulation, technology, measurement, etc.
- Extensive network of contacts (state, federal local Gov., NGOs and internationally affiliated)

Why NPPR?

It's members and reach

State and Local Government

- **Federal Government**
- **Industry**
- **Academia**
- **Non-profits**
- **Trade Associations**
- **Tribes**
- **Utilities**
- **General Public**



NATIONAL POLLUTION PREVENTION ROUNDTABLE

Why NPPR?

- **"A Cornerstone of Sustainability" (2007-9)**
  - **Waste Reduction: 8 Billion Pounds**
  - **Water Conservation: 17 Billion Gallons**
  - **Energy Conservation: 2.5 Billion Kilowatt Hours**
  - **Cost Savings: $280 billion**
    - **5 times Return on Investment**

- **NPPR/P2Rx Results Data Management Syst.**
  - **Regional aggregation of data from states**
  - **National report from regional data**

Why NPPR?

- **Tentative Approval of Great Lakes Restoration Initiative Grant (2011-14)**
  - **$550,000**
  - **Partnering with:**
    - **Great Lakes P2 Roundtable**
    - **Great Lakes Green Chemistry Network**
    - **Clean Production Action**
  - **Goals (Safer Chemistry Challenge Portion):**
    - **100 companies**
    - **2 million pounds of toxic waste reduced**
    - **1 billion KwH of electricity conserved**
    - **1 billion gallons of water conserved**

NPPR's 2025 Safer Chemistry Challenge Program

NPPR's 2025 Safer Chemistry Challenge Program

- Toxic chemical reduction focused
- Recognizes leadership as a reward for safer chemistry performance
- Voluntary, collaborative and member driven
- P2 (source reduction) reliant
- Chemical reductions achieved from commitments, goal setting, planning and reporting
- Program supported by member leveraged resources (technical, policy, tools, training, technology)

NPPR's 2025 Safer Chemistry Challenge Program

- Depends on transparency and good faith activities
- Reductions must be achievable, measurable and verifiable
- Uses a 2005 base year
- Includes a 5 chemical selection minimum
- Reduction target is 25% by 2025
- Two interim goals
  - ➢10% 2015
  - ➢20% 2020

NPPR's 2025 Safer Chemistry Challenge Program

Reductions must be based on Source Reduction Techniques:

- Equipment or technology modifications,
- Process or procedure modifications,
- Reformulation or redesign of products (green chemistry),
- Substitution of raw materials, and
- Improvements in housekeeping, maintenance, training, or inventory control.

NPPR's 2025 Safer Chemistry Challenge Program

Chemicals must be selected from either NPPR's State Chemical Priority List or Industry Specified as a chemical of concern based on an industry sector, business, market or specific need

NPPR's 2025 Safer Chemistry Challenge Program-State Priorities

- Lead
- Mercury
- Chromium
- Cadmium
- Perchloroethylene
- Perfluorinated compounds (PFCs)
- Polybrominated diphenylethers (PBDEs)
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- Hexabromocyclododecane (HBCD)
- Phthalates, Bisphenol A (BPA)
- Short chain chlorinated paraffins
- Formaldehyde

NPPR's 2025 Safer Chemistry Challenge Program

Industry Identified Priorities:

A chemical specific to the industry sector or facility or a chemical of concern based on a potential future market or consumers preference or emerging challenge such as PPCP or REACH or ???.

NPPR's 2025 Safer Chemistry Challenge Program

Requires a seven step planning process:

- Commit
- Assess
- Set Goals
- Plan
- Implement
- Evaluate
- Recognize and communicate results

NPPR's 2025 Safer Chemistry Challenge Program

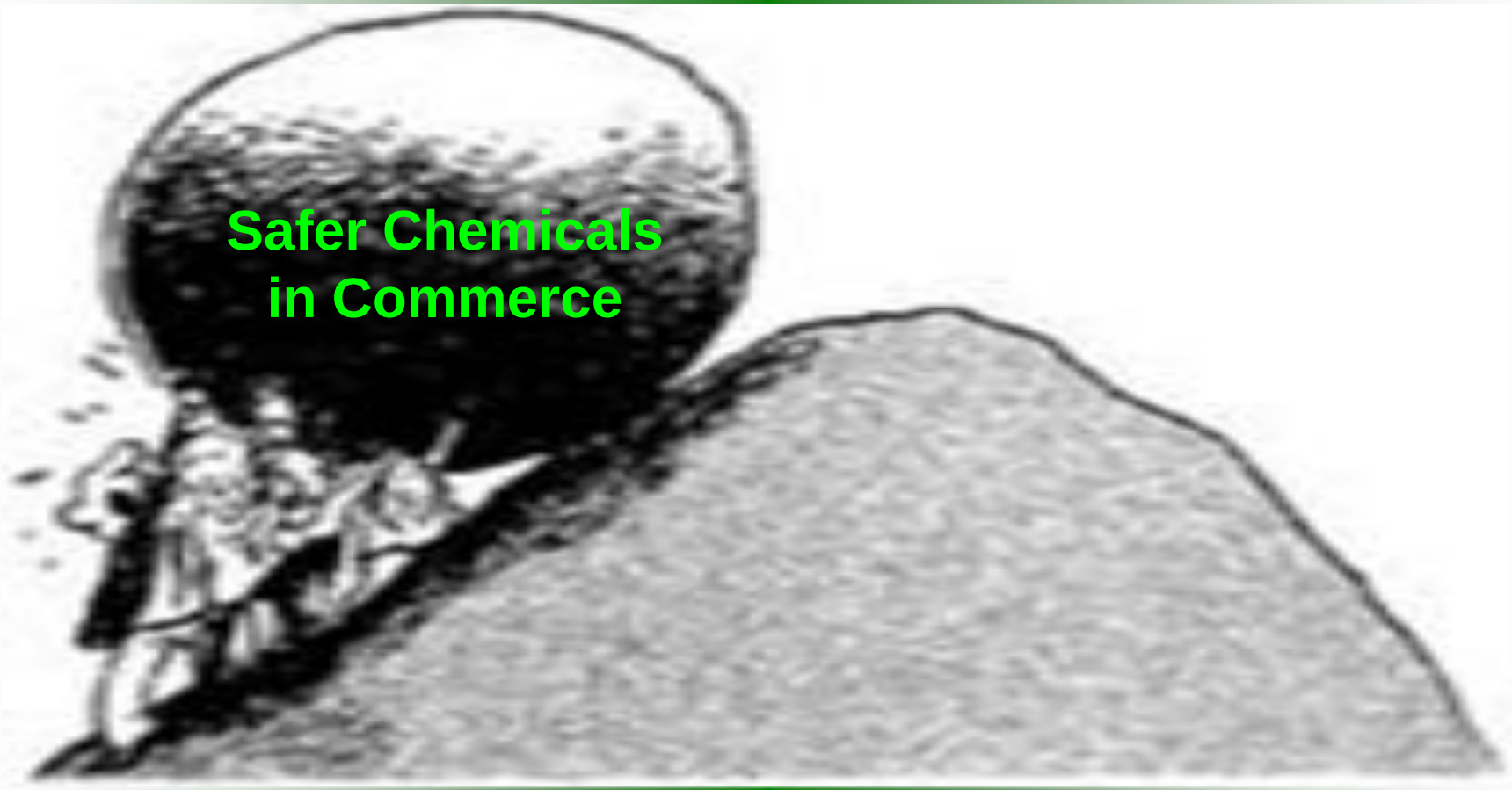
The business "Value Added" benefit:

- Public recognition for achievement and transparency in corporate practices -chemical policy, CSR, sustainability reporting
- Opportunity to engage in constructive industry, state and federal and local government dialogue
- Promotes opportunity for more regulatory certainty and Interstate consistency
- Access to added resources such as research, grants (green chemistry), training and technology

NPPR's 2025 Safer Chemistry Challenge Program

- Detroit Announcement and draft review www.p2.org/challenge
- Introduction-P2 Policy Initiatives Session
- Sign-on to be a founding member-early opt in to have a voice in shaping the program
- Sign up to be a member of the Technical Review Panel – ongoing opportunity for program review and ongoing dialogue
- Be a commenter-email your thoughts to SaferChemistry@Gmail.com

So..Why Participate In NPPR 2025 Safer Chemistry Challenge Program?



National Pollution Prevention Roundtable's

Thank you!

Questions?

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