



McWane P2C

Pollution Prevention
Challenge 2011-2013

Who is McWane

Companies

- Pipe Facilities (4)
- Valve and Hydrant Facilities (4)
- Soil Pipe and Utility Fittings Facilities (7)
- Tank Manufacturing Facilities (6)
- Fire Extinguisher Facility (1)
- Technology Companies (5)
- Coal Mining (3)

Locations

- Throughout North America
- Australia
- China
- Norway
- South Korea
- Chile
- India
- United Arab Emirates (UAE)



What is the McWane P2C

Internal competition among McWane facilities to encourage pollution prevention actions such as material substitution, source reduction, reuse, energy and resource conservation and others



Benefits of P2C

- Opportunity to work collectively to implement pollution prevention improvements at the facility
- Opportunity to engage employees in protecting the environment, preserving natural resources and in reducing risks to worker health and safety
- Opportunity to save the company money
- Saves time and improves efficiency



How does the P2C Work

- The divisions establish teams to identify pollution prevention opportunities and develop potential solutions
- The teams can have up to 8 team members, and can be made up of hourly and salary employees
- The teams implement and measure effectiveness through actual or projected results or from pilot of full scale projects.
- The results of the project is submitted to corporate for judging

How does the P2C Work

- The company chooses independent judges to judge entries.
- The judges review entries against criteria and selects the top 10 projects to present.
 - Environmental Benefit
 - Innovation
 - Simplicity
 - Cost Savings
- Teams presents to the judges, the concept, implementation and results using PowerPoint, video, narratives, photos, or any other innovative media via a live internet meeting

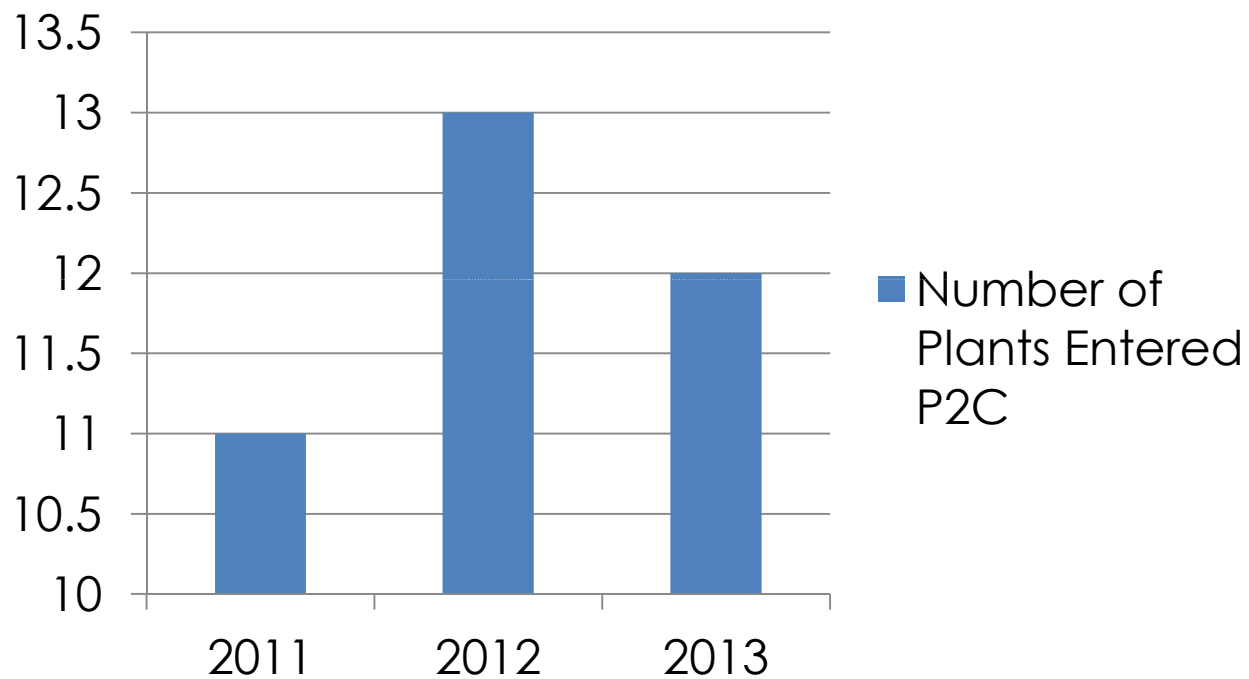
How does the P2C Work

- Based on the judging, internal prizes are awarded to the 1st, 2nd, and 3rd place finishers and potential “Why didn’t I think of that” (WDITOT) award.
- Prizes (per team member)
 - 1st - \$1000.00
 - 2nd - \$500.00
 - 3rd - \$250.00
 - Why DITOT - \$100.00 (2012 & 2013)

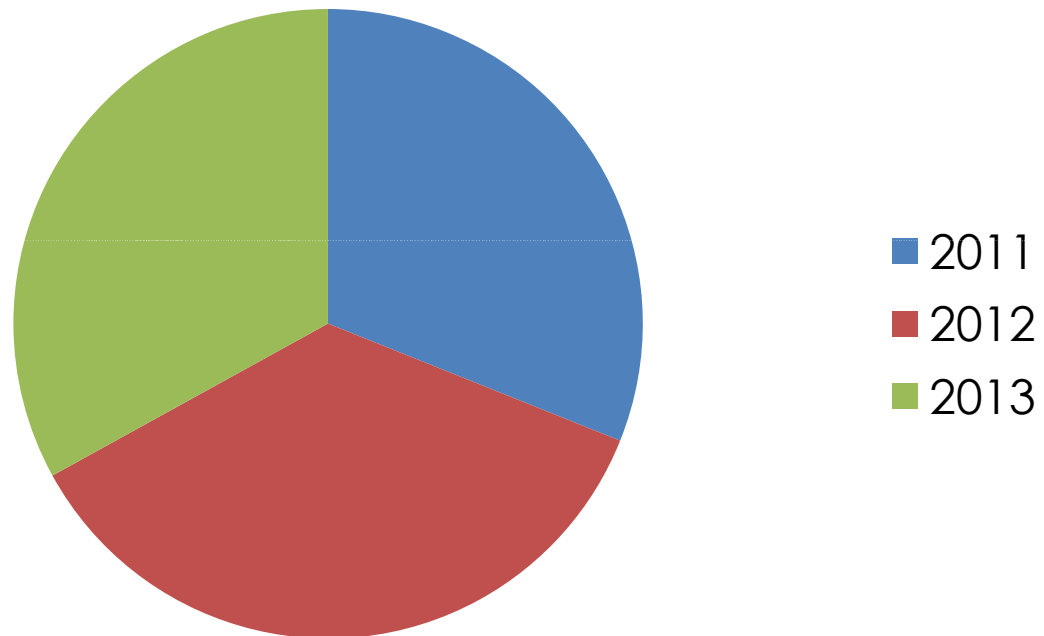


Disclaimer

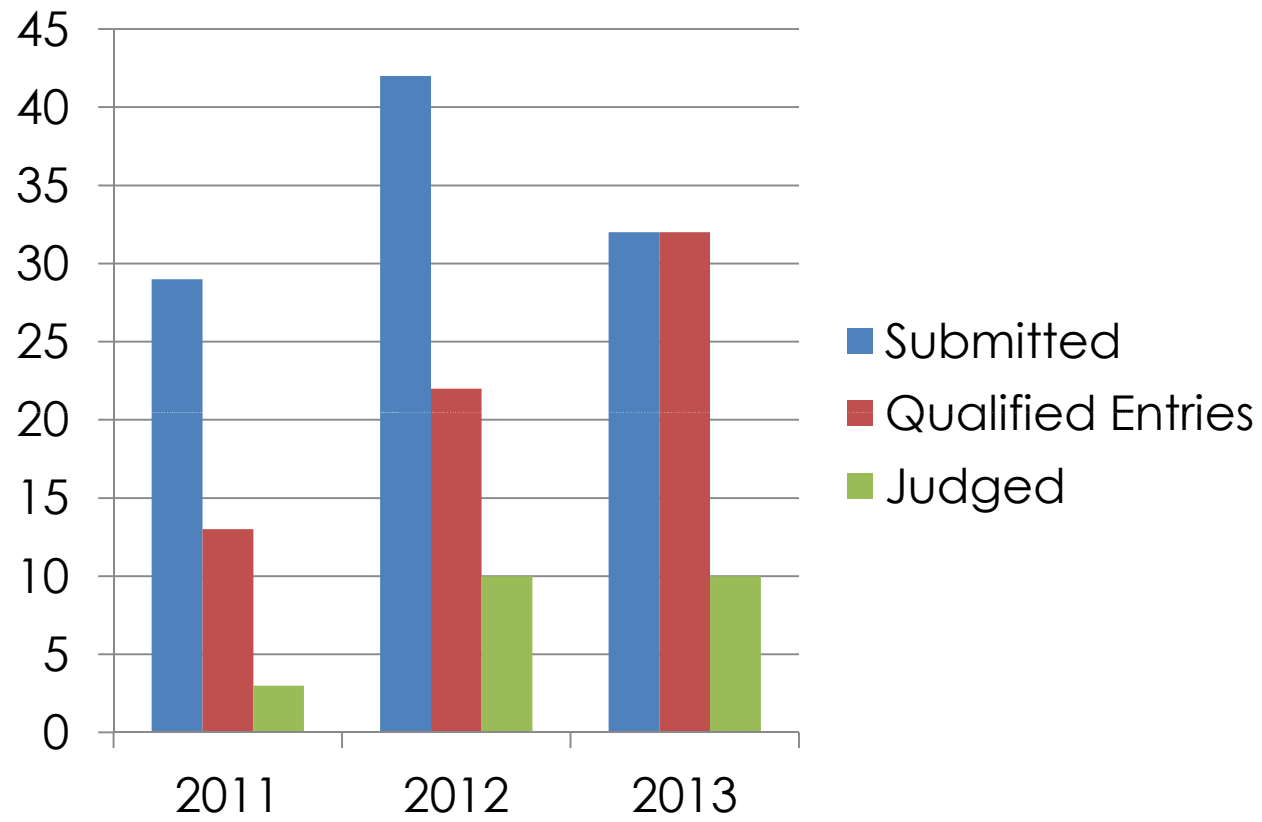
Number of Sites Who Participated in the P2C



% of McWane Sites Who Participated in P2C



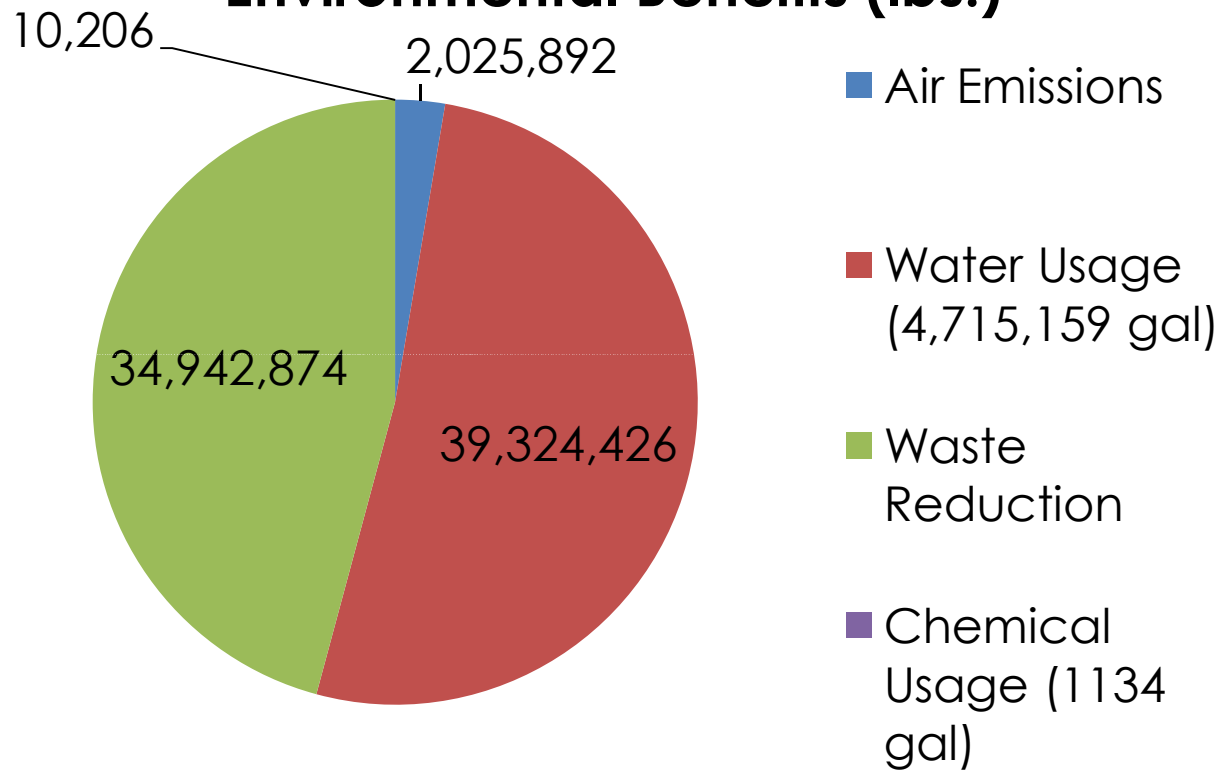
Number of Entries Submitted



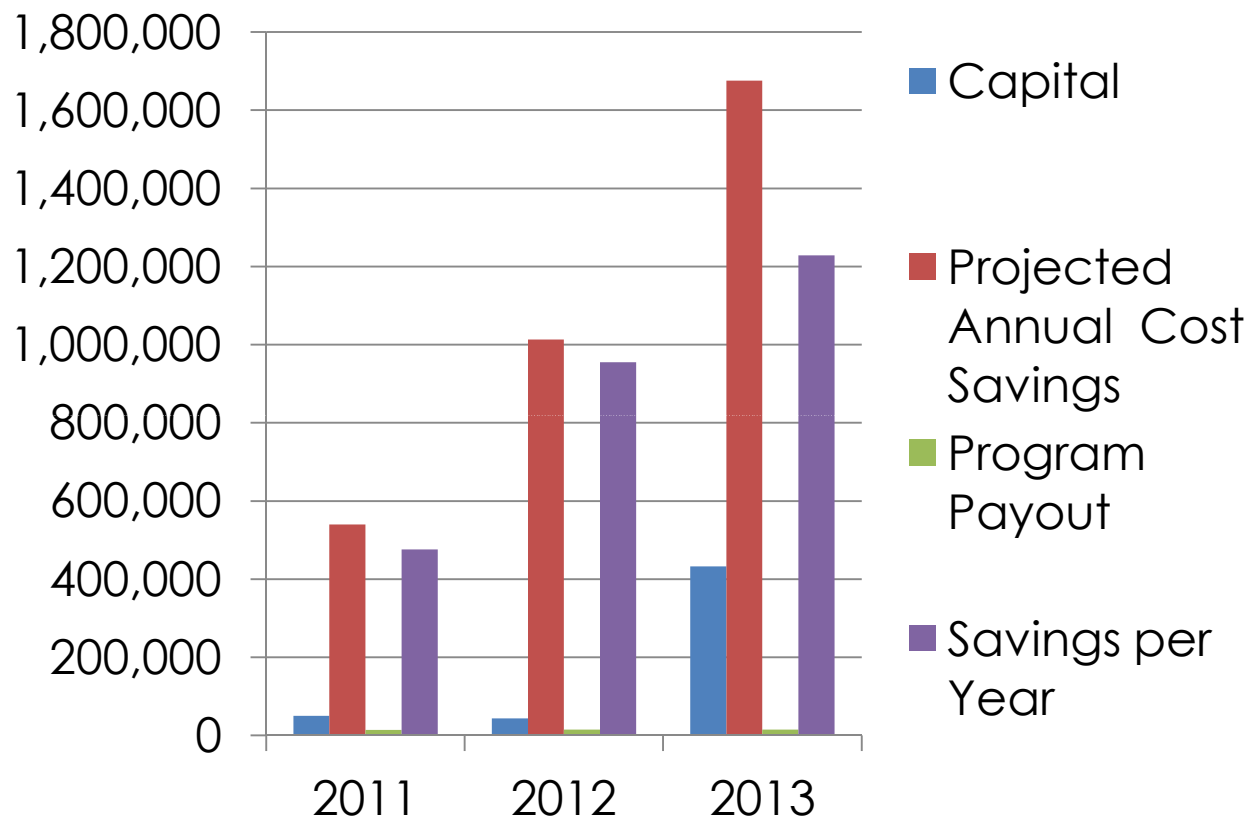
Types of Entries (to name a few)

- Redesign of desulfurization ladle to allow less lime to be used, significantly reducing waste stream from process
- Maintenance program to reduce oil usage
- Packaging Material review – reduce and reuse
- Recycling cardboard, paper, brass furnace dust, solvents,
- Lighting projects
- Change in materials, (low VOC, washer chemicals to reduce change out of washer systems

Environmental Benefits (lbs.)

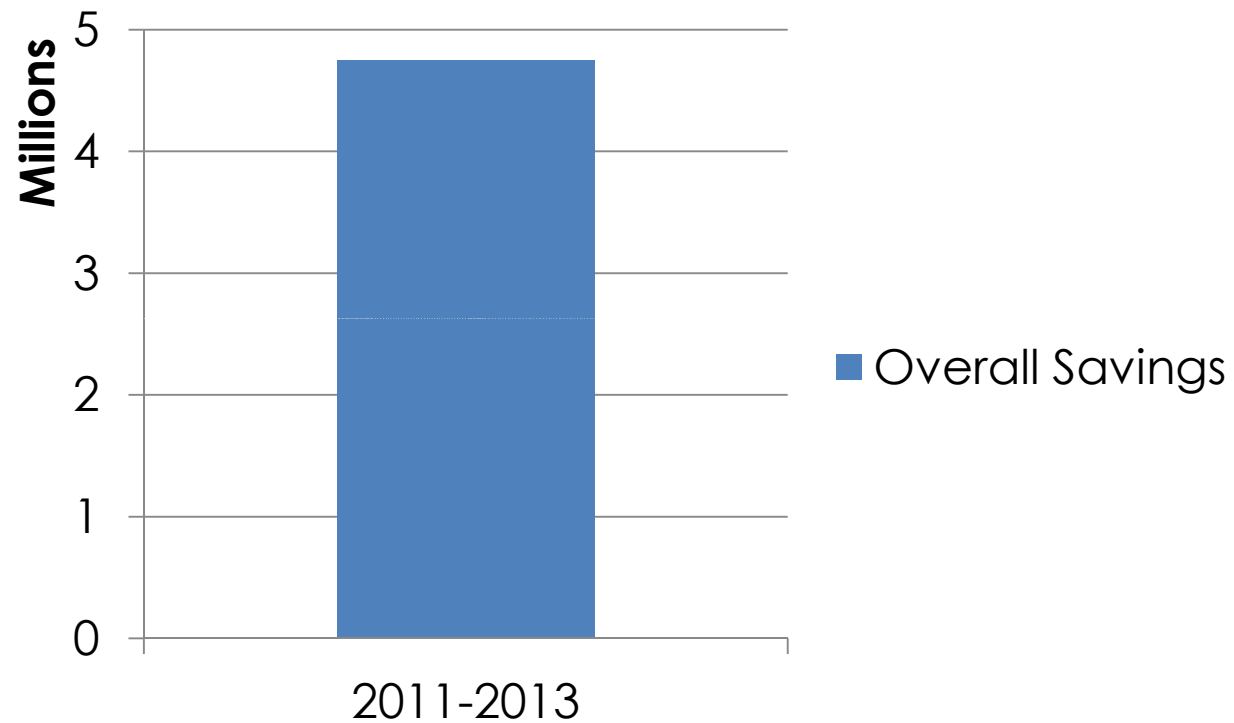


Cost Savings per year



Cost Savings 2011-2013

Overall Savings



Things to ask ourselves

- The information reflected in this presentation includes only those who presented their project(s) to the judges, 23 out of 103 original entries. What is the true environmental and cost benefits of this program?
- Did the additional 80 projects get implemented, if not, why?
 - Were the sites only doing because of P2C?
- Why only 31% – 36% participation?
 - Communication efforts
 - Time
 - Upper Management not understanding business benefits of program
 - Limiting presentations to 10 projects
- Where do we go from here, can Corporate improve the program? Does the program still meet our goals and objectives? Has the program exceeded it's life cycle?

