



Michigan Business Pollution Prevention Partnership 2008-2013 Annual Report Results



A Peregrine Falcon nesting at the Consumers Energy J H Campbell Complex in 2008 appreciated the site's habitat enough to forego its migration to a warmer location. Employees partnered with the Michigan Department of Natural Resources on habitat management for the protected species.

2013 Michigan Business Pollution Prevention Partnership (MBP3) Results

- **\$79,563,005** - The estimated combined cost savings gained via the P2 results reported by MBP3 partners during calendar year 2013 (Cost factor source: USEPA P2 Cost Calculator and guidelines)
- 11 new facilities joined the Michigan Business P2 Partnership (MBP3) committing to develop P2 goals and report results each calendar year.
- P2 news and opportunities were disseminated to partners and presentations were given at workshops to inform and engage potential new partners.
- We will continue updating the program to create more cohesion with existing P2 programs and encouraging continual environmental achievements.

P2 results reported by partners in terms of green house gas reductions - Metric Tons of CO₂ Equivalents (MTCO₂Eq) Reduced:

<i>Reduction</i>	<i>MTCO₂Eq Reduced</i>	<i>Equivalency</i>
Energy Use 84,674,818 Kilowatt hours	58,388	The annual greenhouse gas emissions from 12,292 passenger vehicles.
Water Use 41,382,493 Gallons	116	The CO ₂ emissions from 13,053 gallons of gasoline consumed.
Solid and Hazardous Waste Diverted from the Landfill 1,921,410,256 Pounds	2,680,367	The CO ₂ emissions from the energy use of 244,559 homes for one year.

(Source: USEPA GHG Equivalencies Conversion Tool)

Quote:

“MBP3 helps to increase awareness and knowledge of pollution prevention on site by providing an element of structure and overall organization to the J H Campbell Recycling Program. “ - J H Campbell Electric Generating Plant

2012 Michigan Business Pollution Prevention Partnership (MBP3) Results

- \$105,702,248.90 - The estimated combined cost savings gained via the P2 results reported by MBP3 partners during calendar year 2012 (Cost factor source: USEPA P2 Cost Calculator and guidelines)
- 14 new facilities joined the MBP3 committing to develop P2 goals and report results each calendar year.
- P2 news and opportunities were disseminated to partners and presentations were given at workshops to inform and engage potential new partners.
- We will continue updating the program to create more cohesion with existing P2 programs and encouraging continual environmental achievements.

P2 results reported by partners in terms of green house gas reductions - Metric Tons of CO₂ Equivalents (MTCO₂Eq) Reduced:

<i>Reduction</i>	<i>MTCO₂Eq Reduced</i>	<i>Equivalency</i>
Energy Use 138,376,689 Kilowatt hours	97,632	The annual greenhouse gas emissions from 20,340 passenger vehicles.
Water Use 74,467,330 Gallons	208	The CO ₂ emissions from 23,318 gallons of gasoline consumed.
Solid and Hazardous Waste Diverted from the Landfill 1,843,417,500 Pounds	2,460,962	The CO ₂ emissions from the energy use of 122,925 homes for one year.

(Source: USEPA GHG Equivalencies Conversion Tool)

Quote:

“GM Flint Assembly is able to utilize resources within the MBP3 program to improve pollution prevention at the site and within our community. We continue to expand our knowledge on pollution prevention and share this knowledge with our partners.” – General Motors Flint Assembly

2011 MBP3 Annual Results

- \$92,284,640 - The estimated combined cost savings gained via the pollution prevention (P2) results reported by MBP3 partners during calendar year 2011 (Cost factor source: USEPA P2 Cost Calculator and guidelines)
- 17 new facilities joined the MBP3 committing to develop P2 goals and report results each calendar year.
- P2 news and opportunities were disseminated to partners and presentations were given at workshops to inform and engage potential new partners.
- Work will continue updating the program and streamlining with existing P2 programs to make the program more accessible and better encouraging continual environmental achievements.

P2 results reported by partners in terms of greenhouse gas reductions - Metric Tons of CO₂ Equivalents (MTCO₂Eq) Reduced:

<i>Reduction</i>	<i>MTCO₂Eq Reduced</i>	<i>Equivalency</i>
Energy Use 358,609,505 Kilowatt hours	303,912	The annual greenhouse gas emissions from 59,591 passenger vehicles.
Water Use 305,042,198 Gallons	852	The CO ₂ emissions from 95,516 gallons of gasoline consumed.
Solid and Hazardous Waste Diverted from the Landfill 1,529,159,060 Pounds	2,194,343	The CO ₂ emissions from the energy use of 189,986 homes for one year.

(Source: USEPA GHG Equivalencies Conversion Tool)

“Setting goals and tracking progress is a part of doing business. Innovation, networking and sharing information to “raise the bar” is the value of MBP3.” – Steelcase, Inc.

2010 MBP3 Annual Results

- \$62,268,179.00 - The estimated combined cost savings gained via the P2 results reported by MBP3 partners during calendar year 2010 (Cost factor source: National P2 Results Data System)
- Ten new facilities joined the MBP3 committing to develop P2 goals and report results each calendar year.
- Newsletters and electronic mailings disseminated P2 news and opportunities to partners and presentations were given at workshops to inform and engage potential new partners.

P2 results reported by partners in terms of greenhouse gas reductions - Metric Tons of CO₂ Equivalents (MTCO₂Eq) Reduced:

<i>Reduction</i>	<i>MTCO₂Eq Reduced</i>	<i>Equivalency</i>
Energy Use 36,553,902 Kilowatt hours	31,262	The annual greenhouse gas emissions from 6,130 passenger vehicles.
Water Use 2,663,132,932 Gallons	7,544	The CO ₂ emissions from 845,740 gallons of gasoline consumed.
Solid Waste Diverted from the Landfill 1,382,328,820 Pounds	1,983,642	The CO ₂ emissions from burning 10,801 railcars' worth of coal.

(Source: USEPA GHG Equivalencies Conversion Tool)

“MBP3 continues to keep our employees aware of pollution prevention issues and continues to save the company money.” – Skilled Manufacturing, Inc.

2009 MBP3 Annual Results

- \$103,990,976.00 - The estimated combined cost savings gained via the P2 results reported by MBP3 partners during calendar year 2009 (Cost factor source: National P2 Results Data System)
- Six new organizations joined the MBP3 in 2009, committing to develop P2 goals and report results each calendar year.
- Newsletters and electronic mailings disseminated P2 news and opportunities to partners and presentations were given at workshops to inform and engage potential new partners.

P2 results reported by partners in terms of greenhouse gas reductions - Metric Tons of CO₂ Equivalents (MTCO₂Eq) Reduced:

<i>Reduction</i>	<i>MTCO₂Eq Reduced</i>	<i>Equivalency</i>
Energy Use	92,128	The annual greenhouse gas emissions from 17,616 passenger vehicles.
Water Use	6,173	The CO ₂ emissions from 694,376 gallons of gasoline consumed.
Solid Waste Diverted from the Landfill	1,736,122	The CO ₂ emissions from burning 9,066 railcars' worth of coal.

(Source: USEPA GHG Equivalencies Conversion Tool)

“Networking, waste reduction/reuse opportunities and best practice sharing continue to be invaluable attributes of MBP3; as are educating, engaging and inspiring our employees’ awareness to environmental responsibility. We continue to identify and ‘raise the bar’ with new/improved waste reduction opportunities.” – Steelcase, Inc.

2008 MBP3 Annual Results

- 12 new organizations joined the MBP3 in 2008, committing to develop P2 goals and report results each calendar year.
- The pollution prevention results reported by partners during calendar year 2008 provided an estimated combined cost savings of \$33,010,331.59. (Source: P2RX guidelines and cost calculations)
- Workshops, newsletters, and electronic mailings disseminated P2 news and opportunities to partners.

P2 results reported by partners in terms of greenhouse gas reductions - Metric Tons of CO₂ Equivalents (MTCO₂Eq) Reduced:

<i>Reduction</i>	<i>MTCO₂Eq Reduced</i>	<i>Equivalency</i>
Energy Use	177,835	The annual greenhouse gas emissions from 32,571 passenger vehicles.
Water Use	524	The carbon sequestered by 13,442 tree seedlings grown for 10 years.
Solid Waste Diverted from the Landfill	1,825,761	The CO ₂ emissions from the <i>energy</i> use of 166,129 homes for one year.

(Source: USEPA GHG Equivalencies Conversion Tool)

“While conserving energy and resources is very important to us, and important to the environment, these P2 programs also show real dollar savings for the company. This allows us to continuously improve our programs as well as our processes and procedures.” – Arvco Container Corporation