



# The Mulvaney Pipeline

## The Good News is... The Bad News is Wrong!

Remember the good old days? They were not as good as we remember. Despite the daily assault of bad news from an overabundance of news media, things are really better today than yesterday. Here are 9 examples.

The website HumanProgress.org tracks well sourced, measurable data on the human condition. From this site, the EPA, the U.S. Geological Survey, the Tax Foundation, and the Energy Information Administration, we know the following for the past couple of decades.

### The Environment is Cleaner

- Drinking water quality improved 19% (1993 to 2008).
- Ambient carbon monoxide fell 74% (1990 to 2010).
- Ground level ozone fell 22% (1990 to 2010).
- Lead fell 85% (1990 to 2010).
- Particulate matter dropped 38% (1990 to 2010).

### The Nation is Safer

- Work fatalities dropped 14% (1999 to 2008).
- Rape fell 71% (1990 to 2008).
- Murder fell 43% (1990 to 2008).

### Hate is in Decline

- Hate crime assault dropped 29% (1996 to 2008).

### Lives are Longer and Happier

- Life expectancy at birth increased 4% (1990 to 2010).
- American citizen happiness per the World Values Survey increased 3% (1992 to 2006).

### We are More Productive

- Productivity per hour worked increased 43% (1990 to 2010).
- The food production index is up 42% (1990 to 2009).



### We are Wealthier

- GDP per person increased 33% (1990 to 2010).
- Single family home floor space increased 17% (1990 to 2010).
- Spending on food as a percent of disposable income dropped 15% (1990 to 2010).
- Spending on the basics decreased 16% (1990 to 2010).
- Use of the Internet has increased from 1 to 74 out of 100 people (1990 to 2010).
- Use of mobile phones has increased from 2 to 90 out of 100 people (1990 to 2010).

### We Use Resources More Efficiently

- Energy consumption for each dollar of GDP produced is 29% lower (1990 to 2010).
- Energy use per person fell 6% (1990 to 2010).
- Water use per person fell 15% (1990 to 2005).

### Energy is More Abundant

- Proven domestic oil reserves increased 33% (1990 to 2013).
- Proven domestic natural gas reserves increased 99% (1990 to 2013).

### Government is the Unfortunate Exception

- Government effectiveness declined 16% (1996 to 2010).
- Regulatory quality fell 9% (1996 to 2010).
- Top personal marginal tax rates increased 41% (1990 to 2013).
- Economic freedom declined 7% (1990 to 2010).

What's remarkable is that despite an increasingly burdensome government, just about every aspect of American life has improved over the past couple of decades. Our country is healthier. We live longer. We're happier. There is less violence and hate. We're more productive, efficient, and wealthy. Natural resources are abundant. Not only have things gotten better in America, they are continuing to get better. There may be ebbs and flows, but the trend is clear. Each decade is better than the one preceding it. Ignore the negative. Focus on the good.

## ARE YOUR COOLING TOWERS GREEN?

No we don't mean are they covered with alga. Being green has several facets. While the more advanced cooling towers are made of recyclable HDPE plastic cooling towers that will last for many decades, recyclability becomes a moot point. A more realistic examination of cooling tower greenness will deliberate improved sustainability, greater energy efficiency, added water conservation and smaller carbon footprint - plus some cost ramifications involved in achieving such green goals.

While conventional cooling towers, often constructed with basins lined with sheet metal cladding, are environmentally challenging and maintenance intensive - hence costly to operate - the alternative of using cooling towers with molded seamless plastic is immediately beneficial to both the environment and bottom line.

Traditional, galvanized metal-clad cooling towers have done a good job at cooling process water, they have also been highly prone to corrosion and, therefore, frequent cleaning, re-coating and replacement. Additionally, metal cooling towers require extra caution when using water treatment chemicals to maintain a continuous proper water chemistry to prevent accelerated loss of galvanizing leading to costly downtime and early replacement. With the increasing concerns about meeting green standards and also improving ROI on capital equipment expenditures, here are four points you should consider when evaluating your next cooling tower purchase. First of all, sustainability, rapidly followed by "green by design" engineering. The remaining two points anchoring the evaluation is energy efficiency, closely followed by the tower capacity as a ratio of size energy consumption and operational maintenance.

## Little Known Facts and Trivia

- The real-life survival rate of using CPR outside a hospital setting: about 15 percent. On TV shows about 67 percent.
- Every year in the US, some 650,000 tons of rubber is worn off of tires, becoming toxic dust.
- Every year hundreds of people swallow their false teeth.
- The tsunamis that sometimes follow an earthquake can be disastrous to land, but they don't usually damage ships at sea. People on a cruise ship just feel a slow rise and fall as the wave slides deep beneath them.
- The toxins in death cap mushrooms (*Amanita phalloides*) can cause liver cells to explode.
- Some people can hear their eyeballs moving.
- Mercedes-Benz hired an origami expert to fold its airbags into the most efficient shape.
- Ralph Teator, the man who invented cruise control for cars was blind.
- A Yale study showed that having a "bad-hair day" does negatively affect some people's moods.
- Women's bodies reject heart transplants more than men's do.
- Warning label on French cigarette boxes: "Smoking may cause a slow and painful death."
- Infections caught in hospitals kill about 48,000 Americans a year.
- About one in six pregnant women have a craving to chew on coal.

## PLUMBING SYSTEMS AND FIXTURES

Piping and plumbing systems are widely accepted to be the most important and life altering inventions of all times. The impact of water and sewer piping systems are basic for the fundamental survival of modern mankind. Although failure of any of these systems would be catastrophic to the health and well being in any society, plumbing remains the unsung hero of all infrastructure items. Most people give little thought to modern water systems whether in their homes, businesses or communities. It's time to keep your systems operating well, leak free and in good order. Even a pin hole leak can waste thousands of gallons of water each year.



### WHAT THE HECK IS IT?

If you can name the item pictured, you may

## WIN A MULVANEY MECHANICAL LEATHER JACKET

If you e-mail your entry, you must write "NEWSLETTER CONTEST" in the subject line to avoid our SPAM filter. Please mail to [janette@mulvaneyinc.com](mailto:janette@mulvaneyinc.com)

**\*JUST LIKE THIS ONE!**



If multiple correct answers are received, a winner will be selected at random.



This tool, when introduced at the start of the 20<sup>th</sup> century, was a handy tool any machinist would be happy to have. It is a center punch with a retractable tapered center punch. It was specifically made to quickly find and mark the center of any diameter rod stock that fits within its punch diameter.

We received no correct answers this time around.

## WHAT'S GOIN' ON?

Jun 06- 10, 2015	AWWA Conference and Expo	Anaheim, CA
Jun 22 - 25, 2015	NFPA Conference and Expo	Chicago, IL
Jun 27 - Jul 01, 2015	ASHRAE National Conference	Atlanta, GA
Sep 30 - Oct 03, 2015	Construct 2015	St Louis, MO
Jan 27 - 30, 2016	AHR Expo and Tradeshow	Orlando, FL

### It's True.

You cannot buy enthusiasm, you cannot buy loyalty, you cannot buy the devotion of hearts, minds or souls. All of these must be earned.



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