

# This presentation premiered at WaterSmart Innovations

[watersmartinnovations.com](http://watersmartinnovations.com)



# Maximum Performance (MaP) Testing

It's NOT just *about toilets!*

*by*

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watersmart '12<sup>TM</sup>  
INNOVATIONS  
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# Testing & listing since 2003...

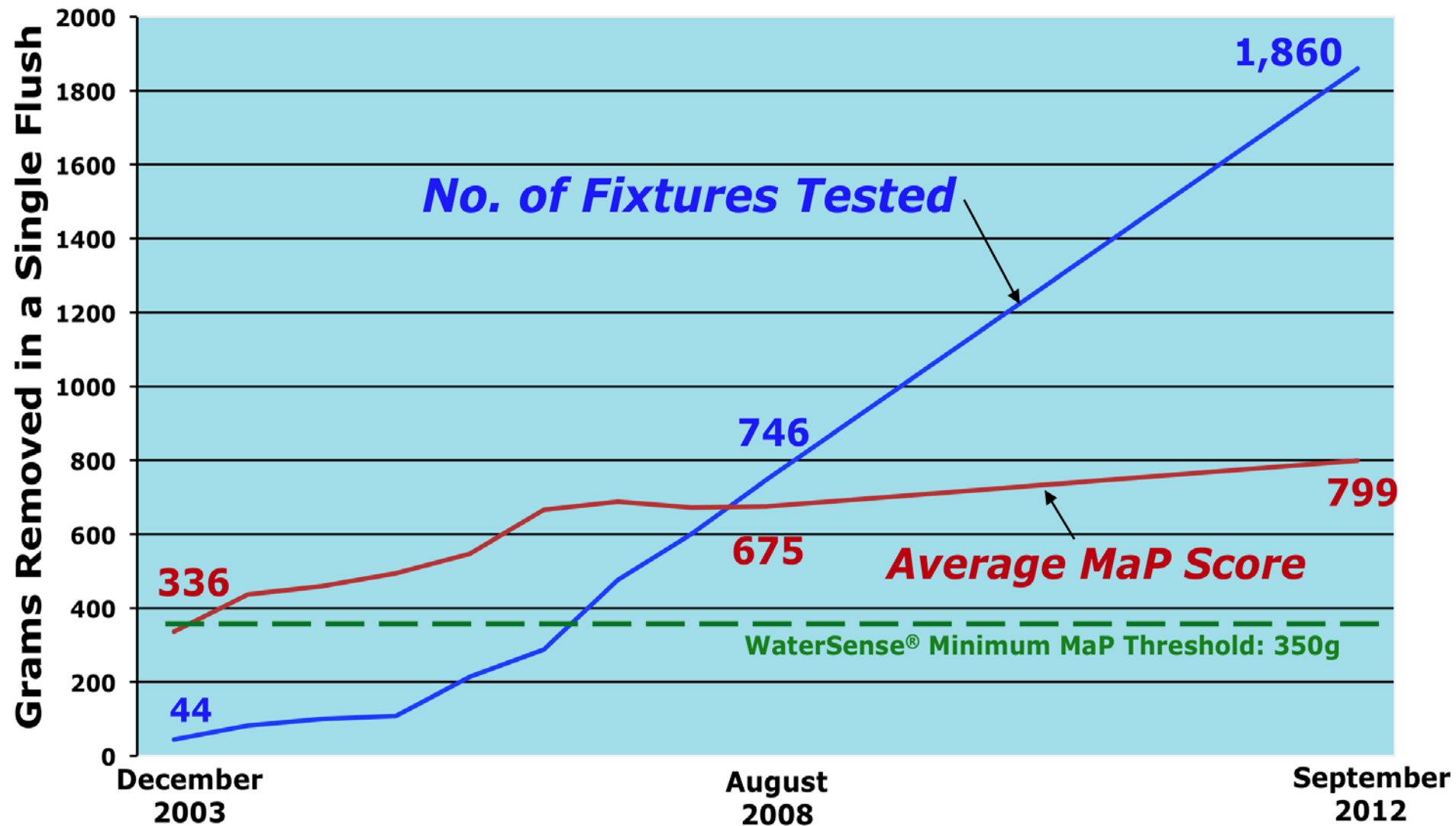
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- 9 years later...MaP testing and listing of -
  - ✓ 2340 Tank-type toilets
    - 1,435 WaterSense tank-type HETs
  - ✓ 366 Flushometer toilet combinations
    - 240 Flushometer HETs
  - ✓ 250 High Efficiency Urinals - HEUs
    - 140 HEUs certified to WaterSense
- Integral to WaterSense spec for HETs
- MaP test media chosen by the Gates Foundation

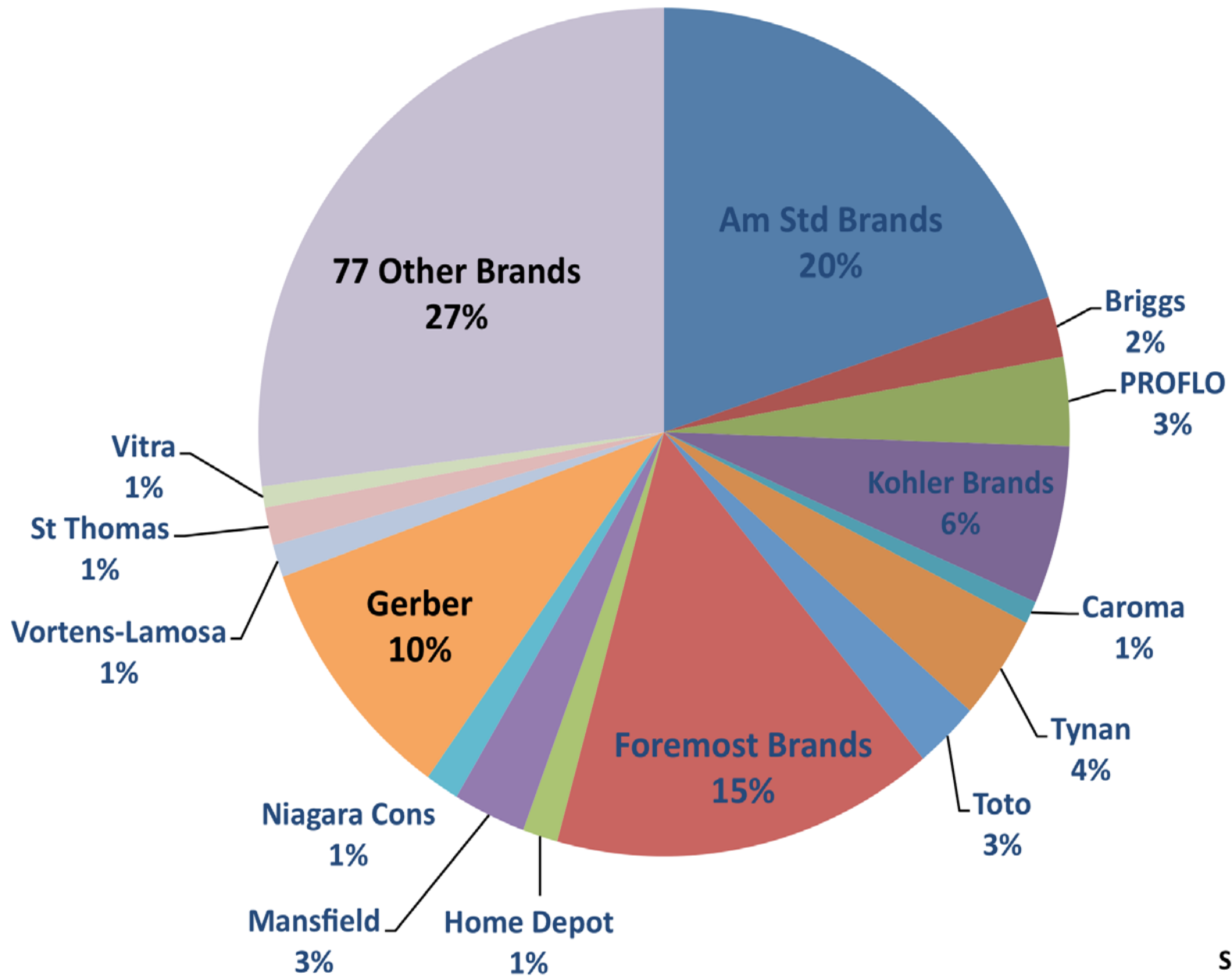


MaP | Maximum Performance

## Tank-Type Toilet Fixtures Average MaP Score & Fixtures Tested



# Manufacturer Participation in MaP



Sept 2012

# MaP Communications

## (map-testing.com, newsletter, LinkedIn)

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- Most complete sources of up-to-date info on efficient plumbing products for indoor applications
  - ✓ Dozens of important weblinks
  - ✓ 100+ documents on indoor products on “Reports” page
  - ✓ Up-to-date “green” comparisons on “Reports” page
- Used by consumers, designers, specifiers, contractors, water utilities, green building advocates, govt agencies
- Visits from 60 countries around the world
- 6,000 existing MaP newsletter readers
- New LinkedIn ‘group’ focused on water-efficient products and technologies



# MaP Communications (website, newsletter, LinkedIn)

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## *What do we talk about?*

- Codes and standards
- Toilets & HETs
- Toilet flapper issues
- Urinals & HEUs
- Showerheads
- Building drainlines & transport of wastes
- Dual-flush issues
- Faucets
- Tankless water heaters
- Green building & 'greenwashing'
- Water savings studies
- Product test results
- New technologies



# So, what's next????

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- New testing protocols
- New product categories
  - Showerheads (quantify force of spray – the most important consumer concern – promote more efficient models)
  - Whole-Home Humidifiers (stop wasting water down the drain)
  - Water softeners (preference given to low water use, low salt models)





# MaP “Premium” products

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- Some toilet and urinal models will qualify as “MaP-Premium”
  - Toilets – higher performance, lower flush volume
    - ✓ Tank-type....RESIDENTIAL ONLY
    - ✓ WaterSense-qualified ONLY
    - ✓ Flush with 1.06 g (4.0 L) or less (i.e., 83% of HET flush volume)
    - ✓ 600 grams or greater MaP score
    - ✓ 80+ toilet models from 22 different brands!
  - Urinals – lower flush volume
    - ✓ WaterSense certified
    - ✓ 0.25 g (1.0 L) or less
    - ✓ Non-adjustable
  - Other products



# Ratings vs. Pass/Fail

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- All products must meet basic (minimum) certification requirements (codes, stds, etc.)
  - Certifications always follow ‘pass/fail’ criteria
- **BUT**...consumers (and water utilities) are far more interested in actual ratings!
- MaP-testing.com to rate as many “water” products as possible to satisfy consumer demands and advance water efficiency
- Ratings to include water efficiency and performance wherever possible



# What to look for...

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- Announcements on LinkedIn
- MaP newsletter announcements  
(sign up to receive newsletters)
- MaP-testing.com:
  - Special announcements
  - Posting of 'MaP-Premium' product lists



*Contact MaP Testing*  
*Give us a try!!*  
**MaP-Testing.com**

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