Washington Suburban Sanitary Commission

90 Years of Caring for our Customers and the Community

90th Anniversary 1918-2008
“The Green and Gray Revolutions”

What WSSC is doing...
WSSC - 8th LARGEST WATER & WASTEWATER UTILITY IN THE U.S.

1.8 million residents

11,000 miles of pipe
WSSC POWERS UP WITH WIND

#1 Local gov’t direct purchaser of renewable energy in U.S.

One-third of our power comes from wind

Equal to taking 10,000 cars off the Beltway every year
• ENR controls point source nutrient discharge to the Chesapeake Bay

• Western Branch WWTP funding approval from MDE

• Construction - October 2009
  Completion - April 2012
WATERSHED MANAGEMENT
WATERSHED MANAGEMENT

Patuxent Reservoirs
Watershed Protection Group

• Formed - 1996
• 14 Gov’t agencies
• 4,000 Acres of land
WATERSHED MANAGEMENT

Potomac River Basin
Drinking Water Source Protection Partnership

- Formed - 2004
- 19 Water suppliers & gov’t agencies
Children’s Water Festival

- Hands-on Lessons
- Water
- Wetlands
- Environment
ENVIRONMENTAL OUTREACH

H₂O Fest
Thinking Green
to Protect Blue

Celebration of green living
Family Campfire

Fun, marshmallows & education about protecting our water supply
Green Educational Center @ Brighton Dam

- Drawing visitors since 1949
- Collaborating w/other organizations
- Native plant gardens
“We have about 2 million miles of pipe in this nation. If you look at what we’re spending now and the investment requirements over the next twenty years, there’s a $540 billion difference.”

- Steve Allbee, U.S. Environmental Protection Agency
Water Main Break Events

July ’07 – June ‘08

1,729
WSSC’s EMERGING PROBLEM

Water Main Break History Fiscal Years 1997 - 2008

LEGEND
- • Breaks (Fiscal Year Totals)
- . Linear (Fiscal Year Totals)
Total Amount of Pipe
5,529 miles

Cast Iron Pipe
2,981 miles

Ductile Pipe
2,243 miles

Other Material Pipe
305 miles
A LOT OF OLD PIPES

Pipe Over 50 Years Old
1294 miles
23%

Pipe Under 25 Years Old
1741 miles
31%

Pipe 25-50 Years Old
2,494 miles
45%

Total Amount of Pipe
5,529 miles
FAILING INFRASTRUCTURE HURTS...

Quality of Life

Vital for the Economy
THE LEGACY
THANK YOU
QUESTIONS?