



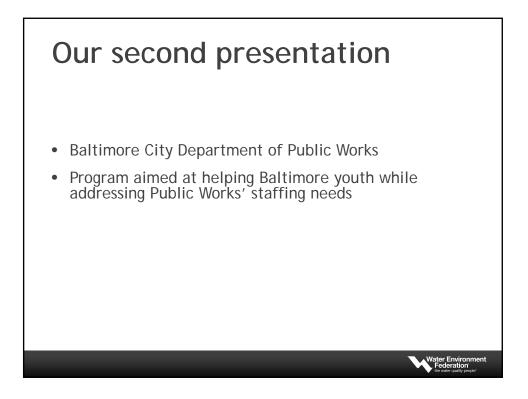


Our first speaker

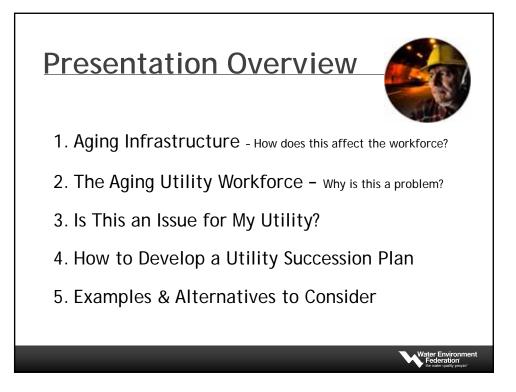
- Jay Sheehan
- Woodard & Curran
- Senior Vice President
- Registered Professional Engineer
- Licensed Water System
 Operator

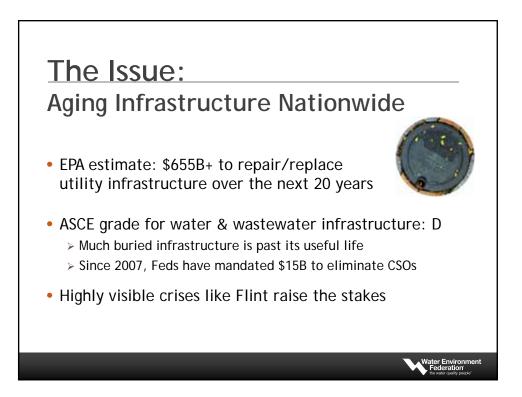


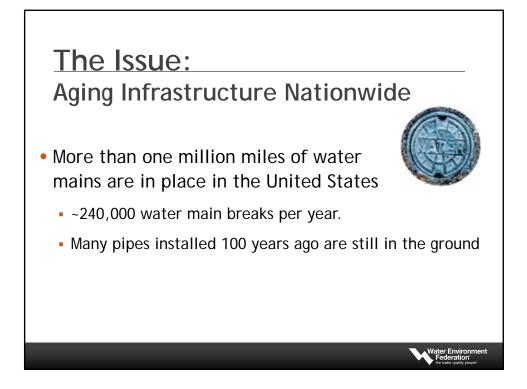
Water Envir

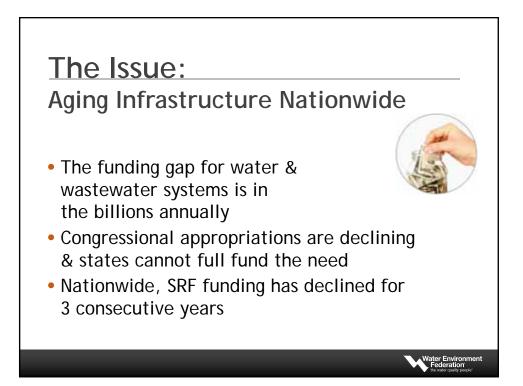




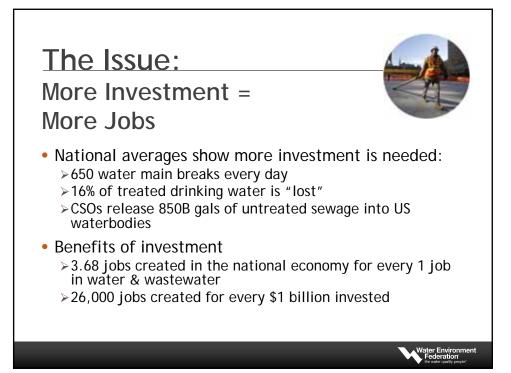








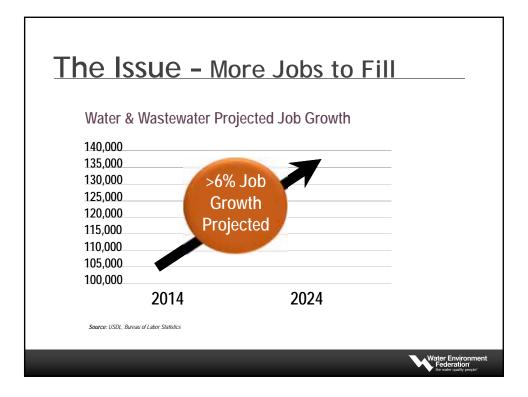
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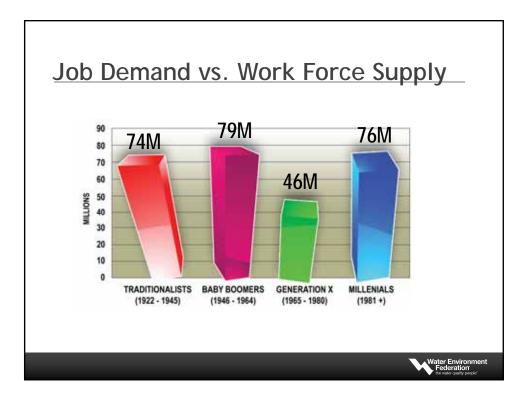






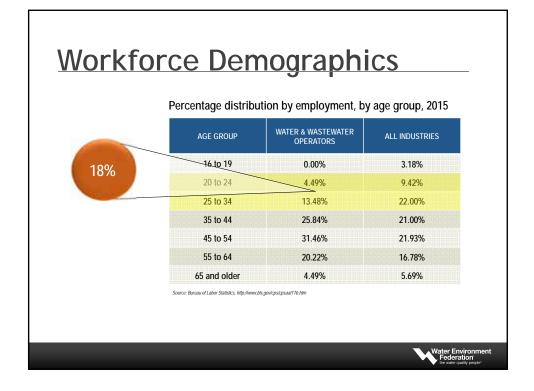
The Issue - Mo	re Jobs to F	ill
Water & Wastewater Proje	ected Job Growth	
140,000		
135,000		
130,000		
125,000		
120,000		
115,000		
110,000		
105,000		
100,000		
2014	2024	
Source: USDL, Bureau of Labor Statistics		
	_	Water Environment Federation It water quality poster

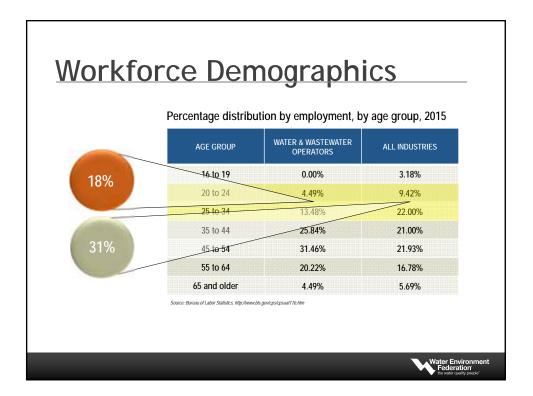




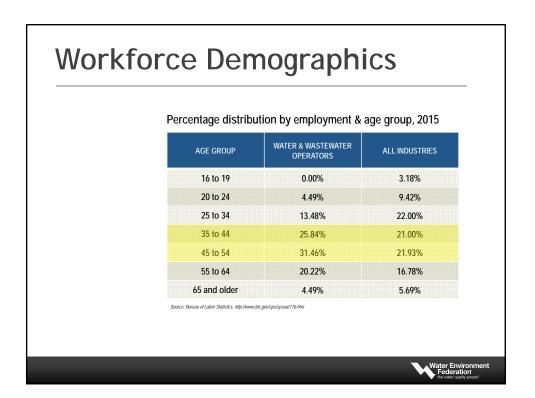
I	Percentage distribu	ution by employment, by	/ age group, 201
	AGE GROUP	WATER & WASTEWATER OPERATORS	ALL INDUSTRIES
	16 to 19	0.00%	3.18%
	20 to 24	4.49%	9.42%
	25 to 34	13.48%	22.00%
	35 to 44	25.84%	21.00%
	45 to 54	31.46%	21.93%
	55 to 64	20.22%	16.78%
	65 and older	4.49%	5.69%

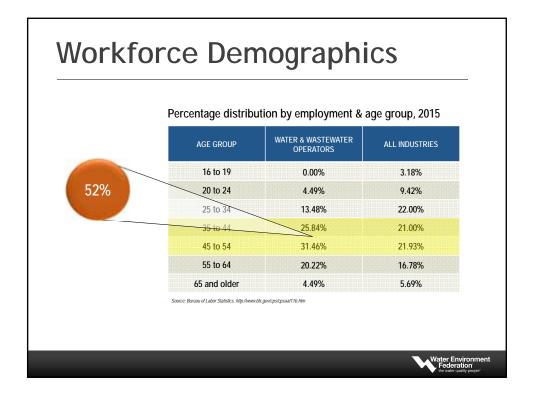
Percentage distribution	ution by employment, by	v age group, 2015
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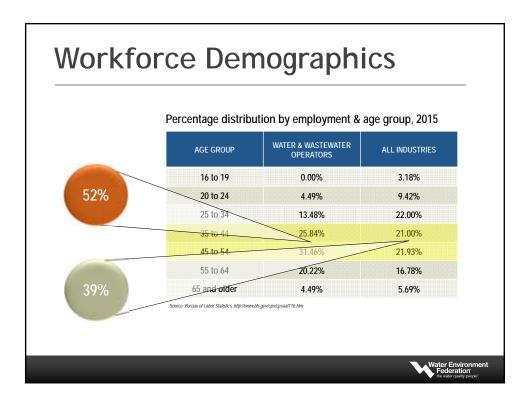


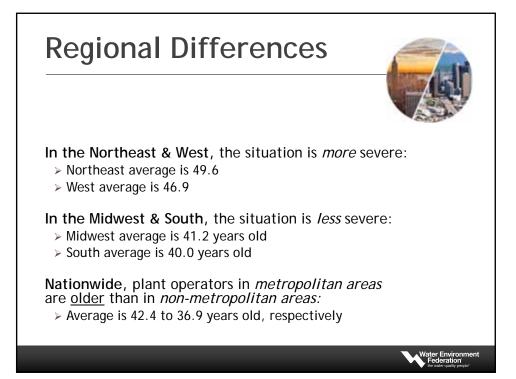


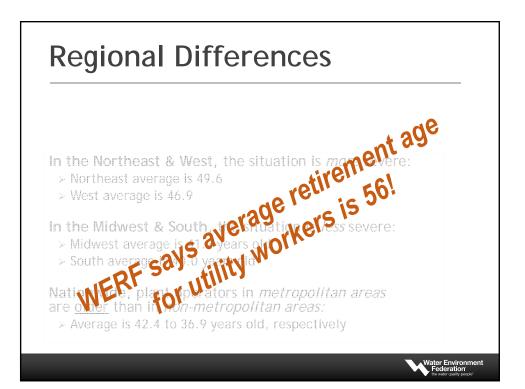
Percentage distribution by employment & age group, 2015		
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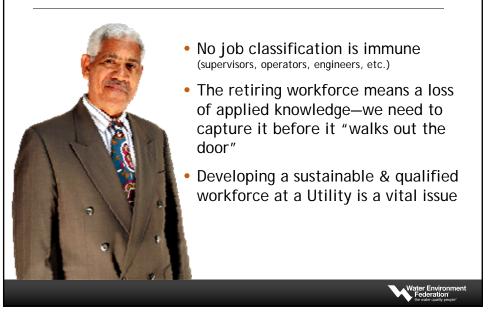


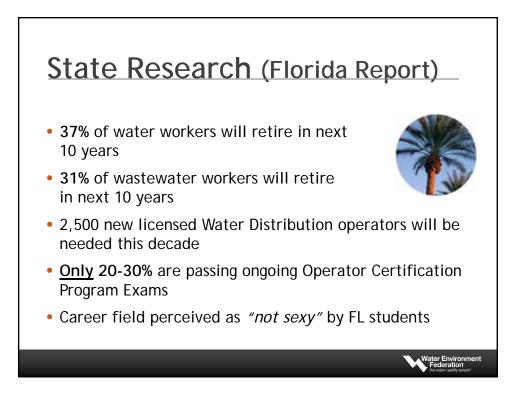


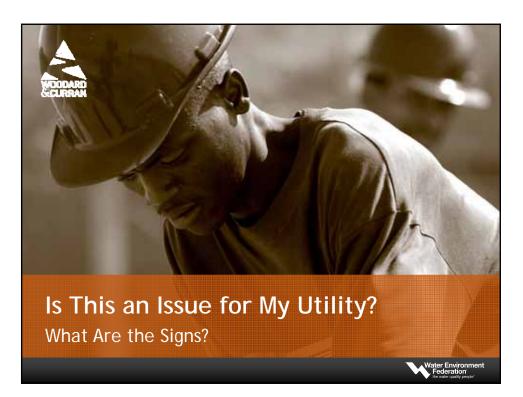


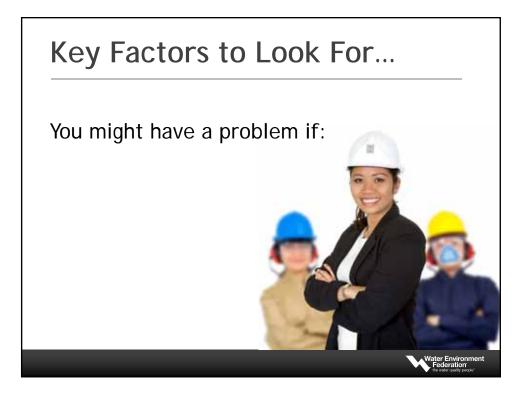


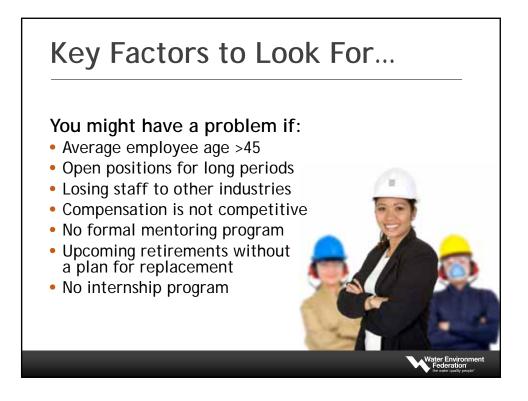
Who is affected?

















5 Workforce Strategies



Water Environ

Step 1: Evaluate Staffing Needs & Technology Options Today's economic environment requires efficiencies Understand state regulations on staffing GIS & SCADA can enhance information sharing Increased automation also provides opportunities Tablets & smart phones improve efficiency & remote capabilities



5 Workforce Strategies



Water Envir

<u>Step 2:</u> Develop an Internship Program

- College & High School graduate unemployment remains high
 College is very expensive! Get 'em while they are young...
- > Graduates are eager for new opportunities
 - > A proposed state bill wants to require a college degree for all new operators
- > Interns become good employees with a strong connection to their work
 - > 86% of interns offered full-time jobs accepted those positions
 - $\succ\,$ 90% of interns hired were retained after 1 year
 - > 73% of interns hired were retained after 5 years



5 Workforce Strategies



Water Environ

Step 3: Target Related Fields as a Resource

- > Identify & recruit people in closely related industries
- > Electricians & mechanics can become certified staff
- Military veterans are a great source for potential employees with technical skills
- Example: Current Woodard & Curran Plant Manager was a local electrician recruited into water treatment

