

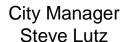




DELECOMPANY

City of Powell:

Mayor Brian Lorenz
Vice Mayor Jon Bennehoof
Frank Bertone
Tom Counts
Jim Hrivnak
Brendan Newcomb
Daniel Swarwout



City Clerk Karen Mitchell

Presentation by: Glenn Marzluf, General Manager/CEO





NATIONAL DRINKING WATER WEEK

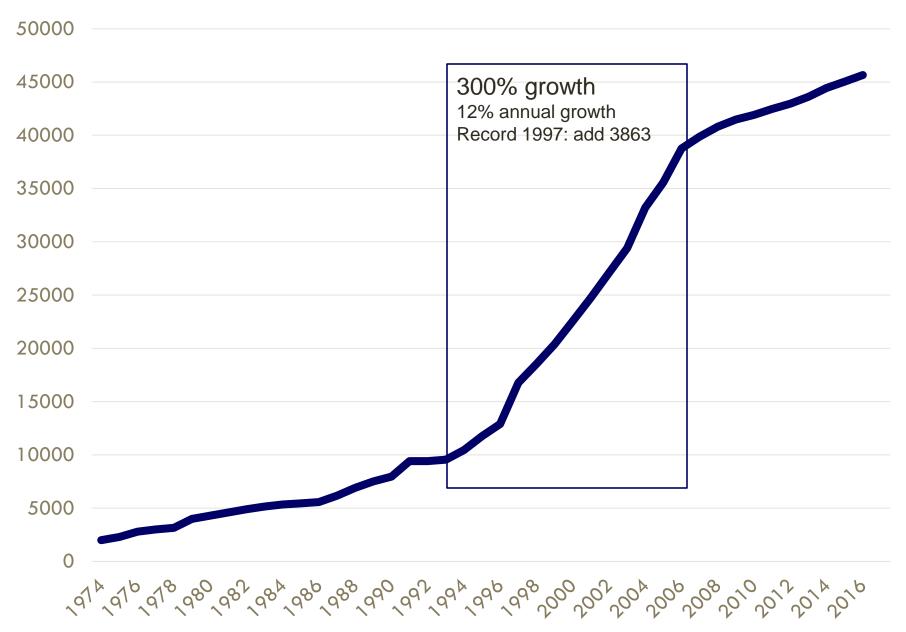
YOUR WATER to know it is to love it

Drink the recommended 8 cups of water daily.

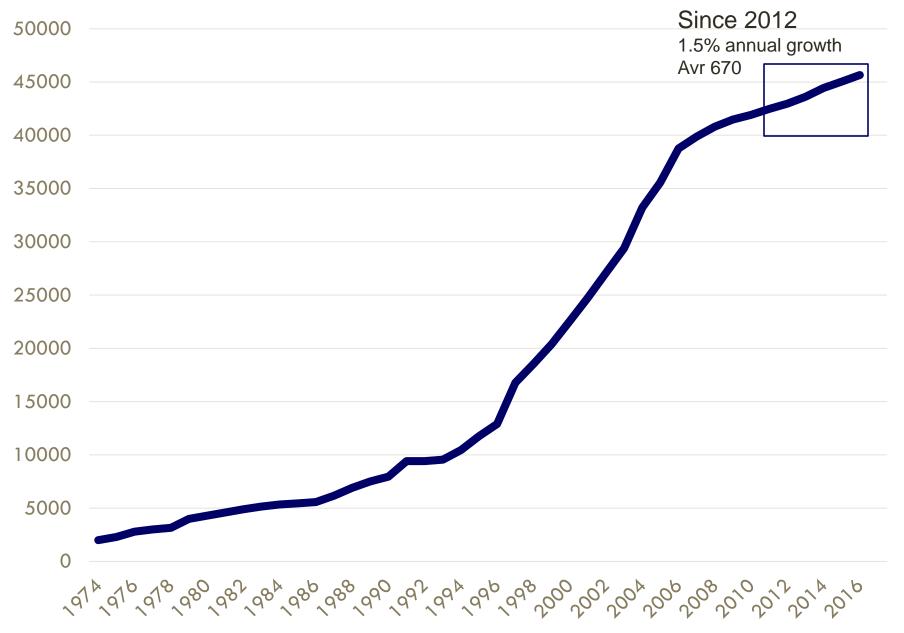
Del-Co General Information

- ✓ Member (Customer) owned 501-c Non-Profit Corporation
- ✓ Governed by a Board of 10 Directors
- ✓ Incorporated in 1969, Served 1st customer in 1974
- ✓ Currently serving customers in Seven Counties (Delaware, Morrow, Marion, Knox, Franklin, Union and Crawford Counties)
- ✓ 1800 miles main; 800 mile² service area

Customers



Customers



RECENT ACCOMPLISHMENTS / EFFORTS

<u>PLANNING</u>

Master Plan 20 year planning horizon

► Rate / Revenue Analysis

PROJECT

Doutt Reservoir \$26 million / \$170-M total

MASTER PLAN PROJECTS

- O'Shaughnessy Source Water Intake (\$12.1-million)
- ▶ Olentangy Plant Expansion (\$15 million)

- Expand Thomas E. Steward Plant (\$1.5 million)
- ► Transmission Lines from 3 plants (\$15 million)

approx. \$45 million

FUTURE MASTER PLAN PROJECTS

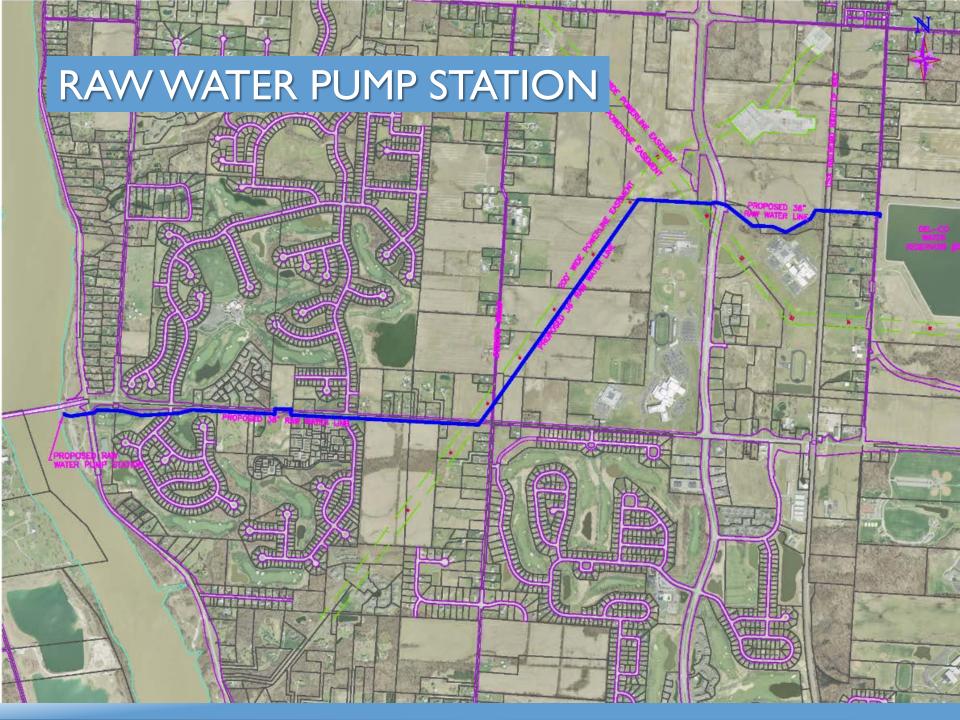
► Ralph E. Scott Plant expansion (\$12 million)

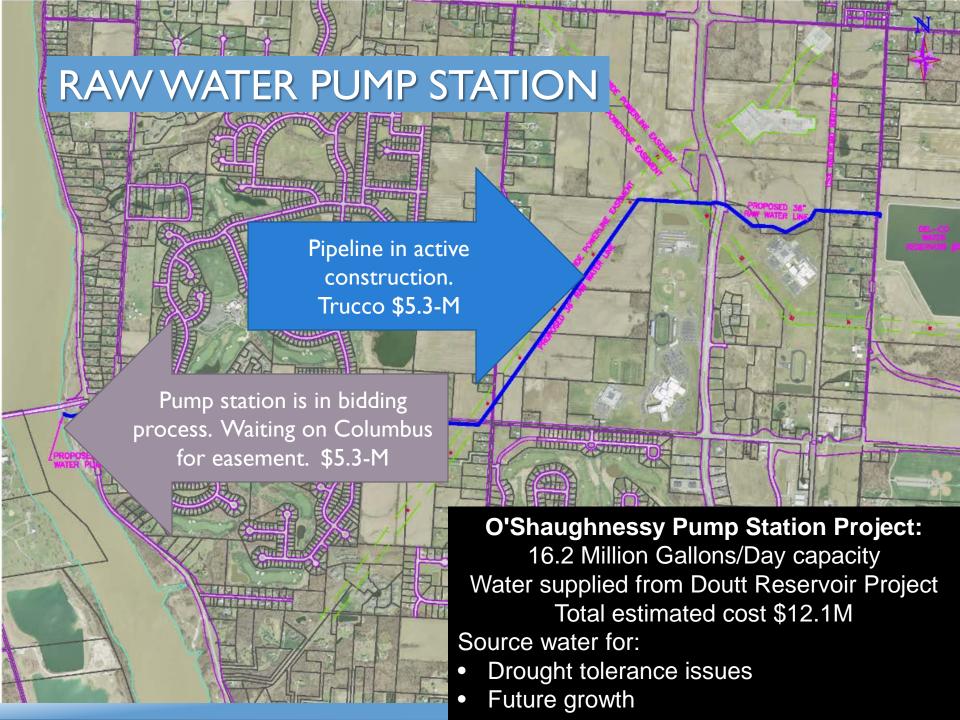
► Thomas E. Steward Plant expansion (\$11 million)

► Additional reservoirs with Columbus (\$12 million)

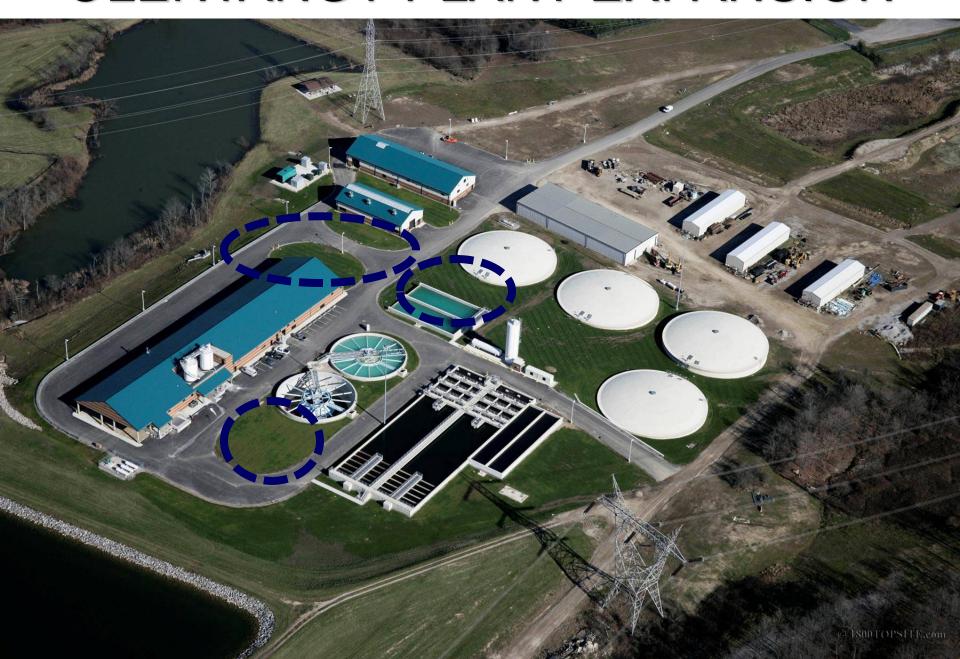
Raw w

TOTAL projects estimated \$230 million in 20 years+





OLENTANGY PLANT EXPANSION



OLENTANGY PLANT EXPANSION

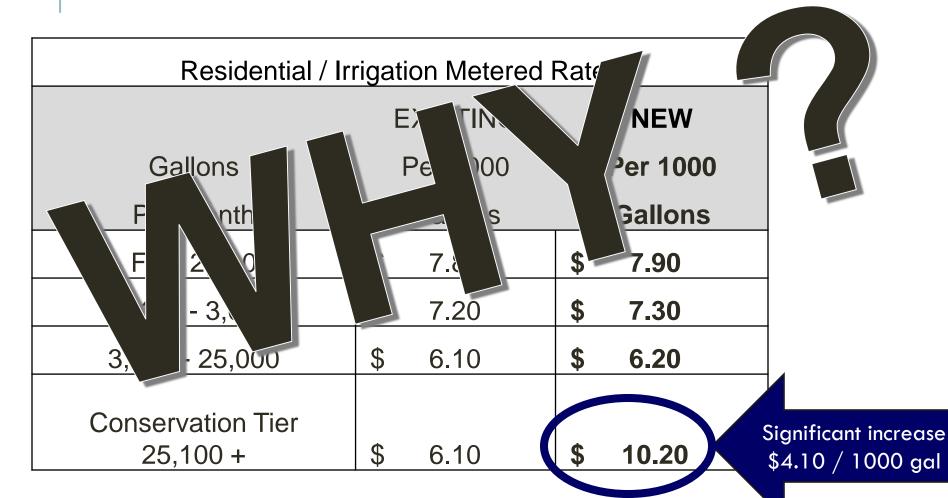


Residential / Irrigation Metered Rates						
	EXISTING	NEW				
Gallons	Per 1000	Per 1000				
Per Month	Gallons	Gallons				
First 2,000	\$ 7.80	\$ 7.90				
2,100 - 3,000	\$ 7.20	\$ 7.30				
3,100 - 25,000	\$ 6.10	\$ 6.20				
Conservation Tier 25,100 +	\$ 6.10	\$ 10.20				

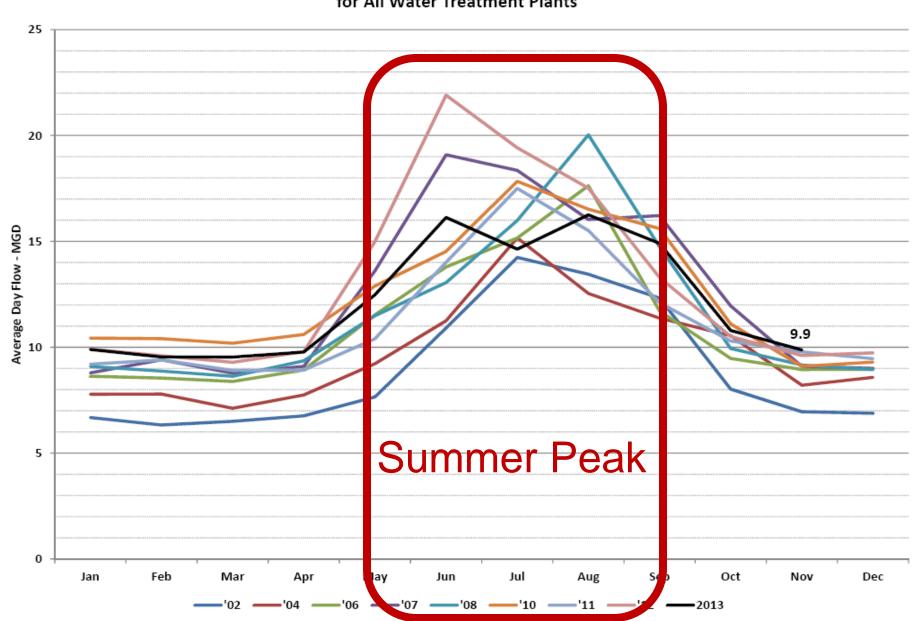
Modest increase \$0.10 / 1000 gal

Residential / Irrigation Metered Rates						
	E	EXISTING		NEW		
Gallons		Per 1000		Per 1000		
Per Month	_	Gallons		Gallons		
First 2,000	\$	7.80	\$	7.90		
2,100 - 3,000	\$	7.20	\$	7.30		
3,100 - 25,000	\$	6.10	\$	6.20		
Conservation Tier 25,100 +	\$	6.10	\$	10.20		

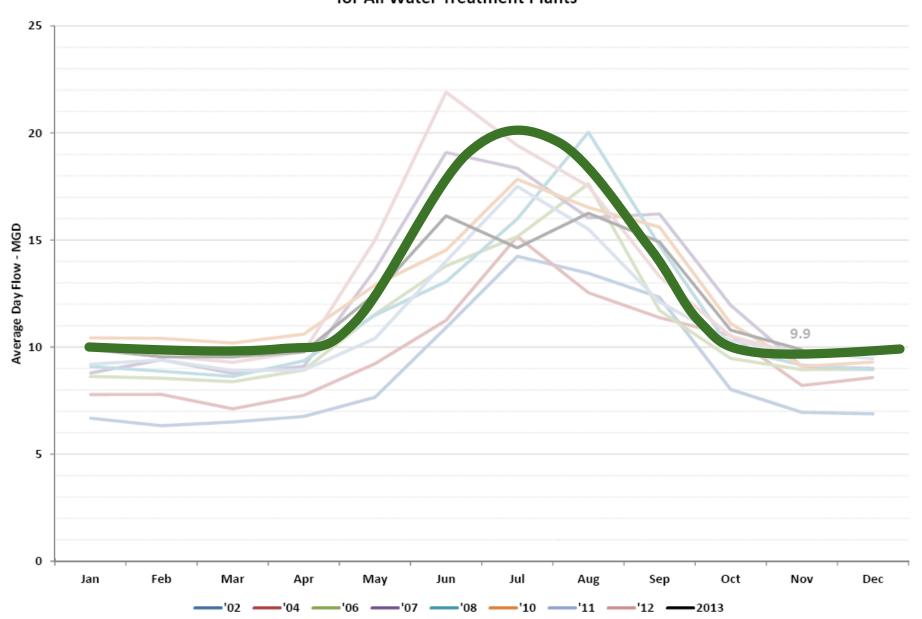
Significant increase \$4.10 / 1000 gal



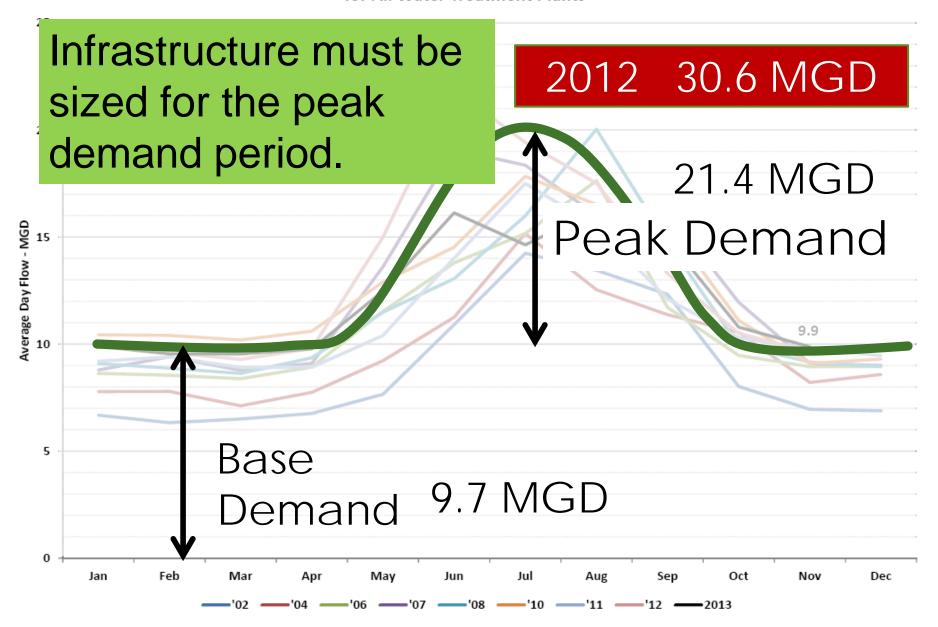
Historical High Service Pump Production for All Water Treatment Plants



Historical High Service Pump Production for All Water Treatment Plants



Historical High Service Pump Production for All Water Treatment Plants





July 2012 New O'Shaughnessy Project and Doutt Reservoir solution

2	<u>01</u>	5	Summary	Data

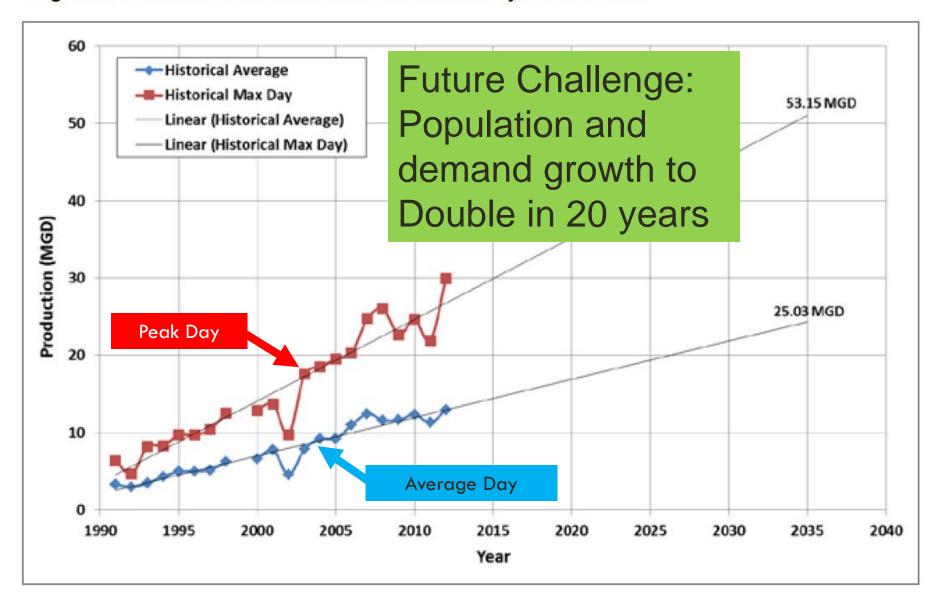
	Peaking Factor (max day/avg day)		% summer increase over average day		
Cleveland	1.20		4 6%		
Columbus	1.19	Exi	sting challenge:		
Toledo	1.35	hig	h seasonal		
Akron	1.21	wa	ter demand.		
Dayton	1.24		Z.470		
Youngstown	1.25		11.1%		
Del-Co	1.81		34.1%		
Newark	1.37		-1.3%		
D. I	1.00		F 00/		

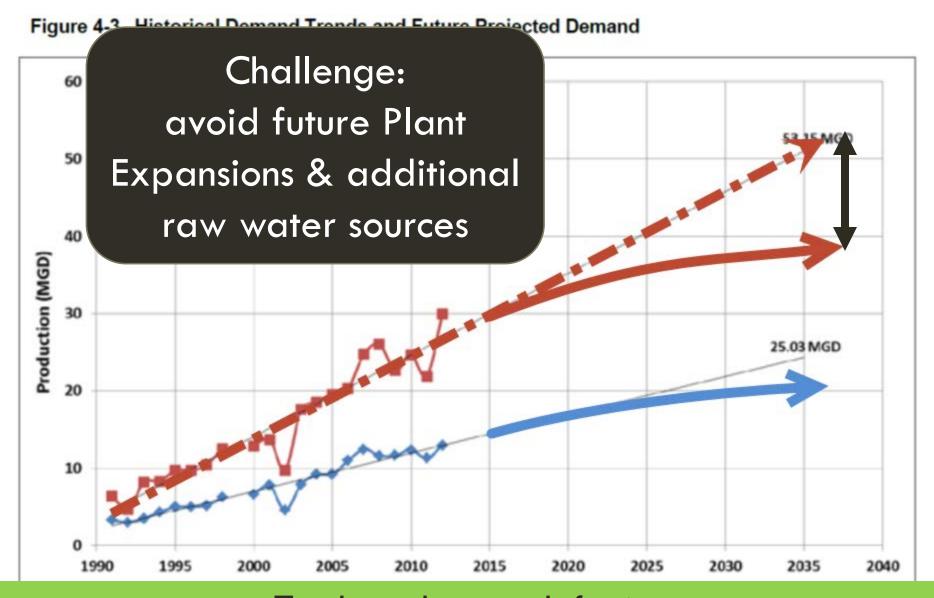
Residential use:

233 gal/day summer vs. 149 winter (+57%)

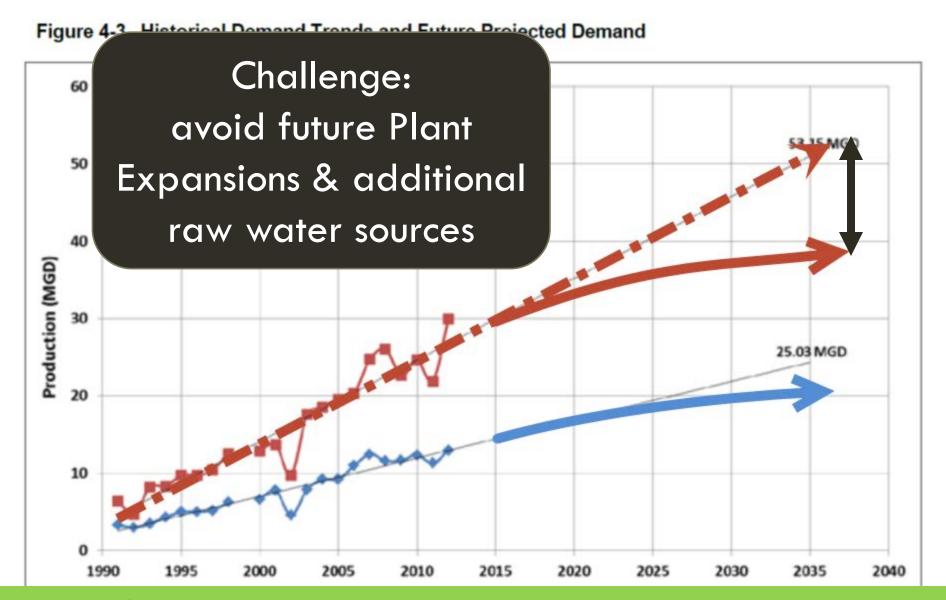
POPULATION GROWTH / FUTURE DEMAND

Figure 4-3 Historical Demand Trends and Future Projected Demand





Engineering peak factor Del-Co Water = 3.0, Columbus = 1.5



Using Columbus' peaking factor, the need to expand our Olentangy Plant wouldn't occur for 30+ years.

CONSERVATION TIER



.27 Ac lot
Assuming home and driveway
0.15 Ac irrigable area = 6500 sq ft

1" coverage on turf = 4,070 gal / sprinkle

16,300 gal

Allows 8700 (avr < 5400 gal) gal for domestic use before hitting 25K.

CONSERVATION TIER

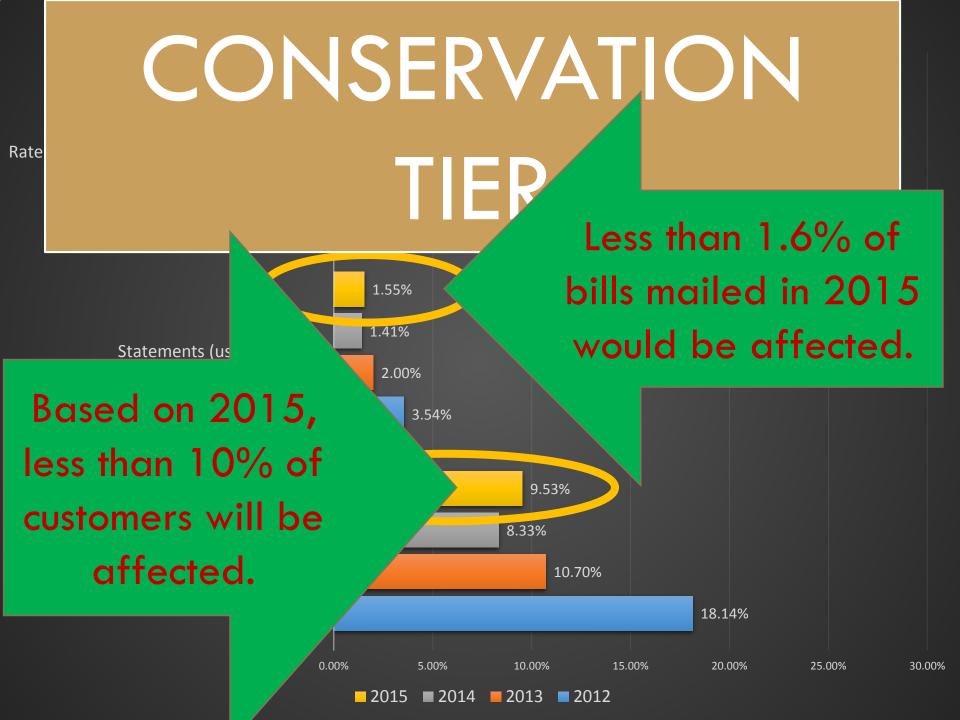


0.50 Ac Lot
Assuming home and driveway
0.23 Ac irrigable area = 9920 sq ft

1" coverage on turf = 6,250 gal / sprinkle

25,000 gal

If they sprinkle 4 times in a month, almost certainly would exceed 25K.



CONSERVATION TIER



City of Powell, Ohio

City of Powell 2015 statistics:

3,751 customers

15% affected by Conservation Tier

2.3% bills would be affected

System Wide: 9.6% of customers and 1.55% of bills

Gallons		2015		2016	Percent
Used		Bill		Bill	Increase
1,500	\$	11.70	\$	11.85	1.3%
2,000	\$	15.60	\$	15.80	1.3%
3,000	\$	22.80	\$	23.10	1.3%
4,000	\$	28.90	\$	29.30	1.4%
5,000	\$	35.00	\$	35.50	1.4%
6,000	\$	41.10	\$	41.70	1.5%
7,000	\$	47.20	\$	47.90	1.5%
8,000	\$	53.30	\$	54.10	1.5%
9,000	\$	59.40	\$	60.30	1.5%
10,000	\$	65.50	\$	66.50	1.5%
Gallons		2015		2016	Percent
Gallons Used		2015 Bill		2016 Bill	Percent Increase
	\$		\$		
Used	\$ \$	Bill	\$	Bill	Increase
Used 15,000	-	Bill 96.00		Bill 97.50	Increase 1.6%
Used 15,000 20,000	\$	96.00 126.50	\$	97.50 128.50	1.6% 1.6%
15,000 20,000 25,000	\$	96.00 126.50 157.00	\$	97.50 128.50 159.50	1.6% 1.6% 1.6%
15,000 20,000 25,000 30,000	\$ \$ \$	96.00 126.50 157.00 187.50	\$ \$ \$	97.50 128.50 159.50 210.50	1.6% 1.6% 1.6% 12.3%
15,000 20,000 25,000 30,000 35,000	\$ \$	96.00 126.50 157.00 187.50 218.00	\$ \$ \$	97.50 128.50 159.50 210.50 261.50	1.6% 1.6% 1.6% 12.3% 20.0%
15,000 20,000 25,000 30,000 35,000 40,000	\$ \$ \$ \$	96.00 126.50 157.00 187.50 218.00 248.50	\$ \$ \$ \$	97.50 128.50 159.50 210.50 261.50 312.50	1.6% 1.6% 1.6% 12.3% 20.0% 25.8%
15,000 20,000 25,000 30,000 35,000 40,000 50,000	\$ \$ \$ \$ \$	96.00 126.50 157.00 187.50 218.00 248.50 309.50	\$ \$ \$ \$	97.50 128.50 159.50 210.50 261.50 312.50 414.50	1.6% 1.6% 1.6% 12.3% 20.0% 25.8% 33.9%

25,000 gal

Gallons	2015	2016	Percent
Used	Bill	Bill	Increase
15,000	\$ 96.00	\$ 97.50	1.6%
20,000	\$ 126.50	\$ 128.50	1.6%
25,000	\$ 157.00	\$ 159.50	1.6%
30,000	\$ 187.50	\$ 210.50	12.3%
35,000	\$ 218.00	\$ 261.50	20.0%
40,000	\$ 248.50	\$ 312.50	25.8%
50,000	\$ 309.50	\$ 414.50	33.9%
75,000	\$ 462.00	\$ 669.50	44.9%
100,000	\$ 614.50	\$ 924.50	50.4%
150,000	\$ 919.50	\$ 1,434.50	56.0%

Capital expenditures:

- \$26-M on Doutt Reservoir
- \$45-M current major projects

Delay future projects:

Master plan has identified around \$230 Million needed in next 20 years

TIER

Non-Resid			
	EXISTING	NEW	
Gallons	Per 1000	Per 1000	
Per Month	Gallons	Gallons	
First 2,000	\$ 7.80	\$ 7.90	
2,100 - 3,000	\$ 7.20	\$ 7.30	Modest increase \$0.10 / 1000 gal
Over 3,100	\$ 6.10	\$ 6.20	ystro / reso gar
NO CONSERVATION	• Customer c	lasses do not h	ave as

strong a seasonal demand

only discretionary use

Don't want to prohibit commerce,

Questions?

Glenn Marzluf, PE General Manager/CEO

gmarzluf@delcowater.com