

Master Planning Ohio's Fastest Growing County



Delaware County Regional Sewer DistrictOWEA Annual Conference
June 28, 2017



DELAWARE COUNTY

- Fastest growing County in Ohio
- Healthiest County in Ohio
- 2nd Happiest County in USA
- Wealthiest County in Ohio
- Most Educated County (>60% bachelor's degree)

REGIONAL SEWER DISTRICT

- Discharge to 4 watersheds that include drinking water supply sources, scenic rivers and recreational lakes
 - Alum Creek
 - O'Shaughnessy Reservoir
 - Hoover Reservoir
 - Olentangy River
- 3 Water Reclamation Facilities
 - Alum Creek
 - OECC
 - Lower Scioto
- 3 land application/beneficial reuse facilities
 - Tartan Fields
 - Scioto Reserve
 - North Star
- 3 Small Package Plants

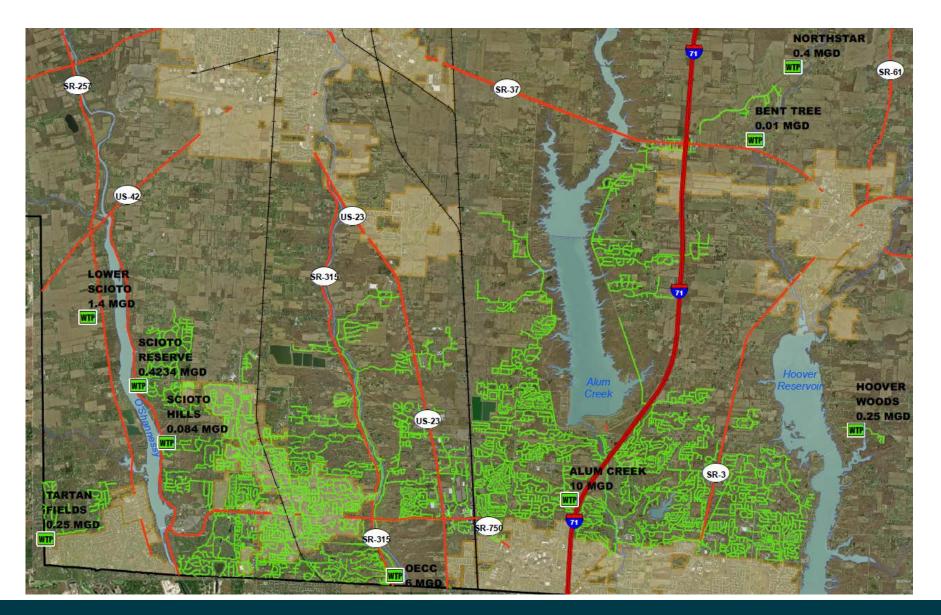
- Separate Sewers Over 500 Miles of Sewers, 24 Pump Stations, and 10,000 Manholes
- Annual Budget of Over \$22 Million
- 60 Operators, 10 Engineers, 5 Inspectors and 4 Administrative
- 0 overflows last year
- 33,000 Customers on the System
- Sewer Rates = \$32/Month Flat Fee

CUSTOMER INFORMATION

- Top Ten Users = 1.5% of Revenue
- Residential Users Account for 89.1% of System Revenues
- Median Household Income:
 - 2010 \$87,908
 - 2015 \$91,955
 - 0.4% Residential Burden

Customer	# of Equivalents
Alum Creek State Park	98.00
Nationwide Mutual Insurance Co.	97.20
Meijer, Inc.	48.28
Westerville Central High School	41.88
Olentangy Liberty High School	41.88
Olentangy Orange High School	41.88
Pilot Travel Center	41.38
Interstate 71 Rest Area	37.83
Olentangy Lewis Center High School	36.64
Kinsale Golf & Fitness Club	32.21
Total	517.18

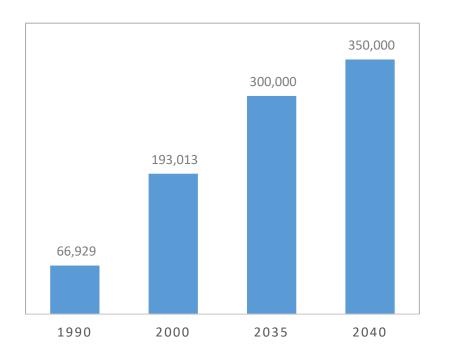
REGIONAL SEWER DISTRICT



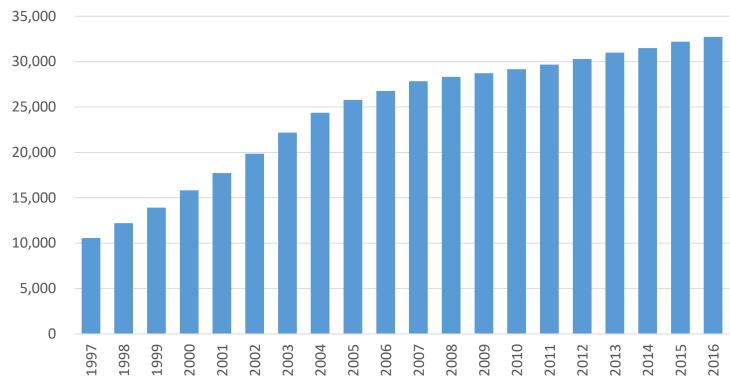
POPULATION GROWTH PROJECTION

- 110,000 Customer currently, projected to be 210,000 in 2040
 - 60% of residents use DCRSD sewer system

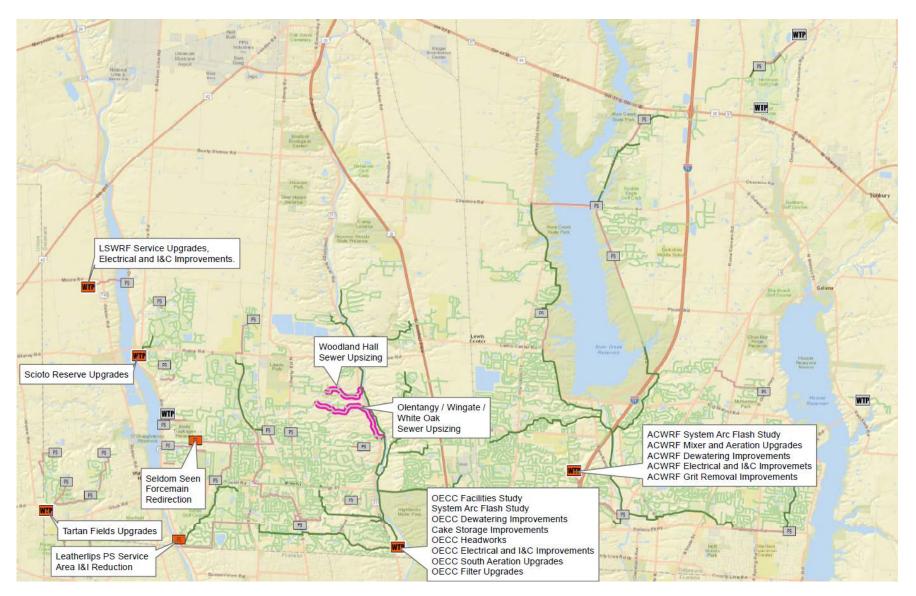
COUNTY POPULATION GROWTH



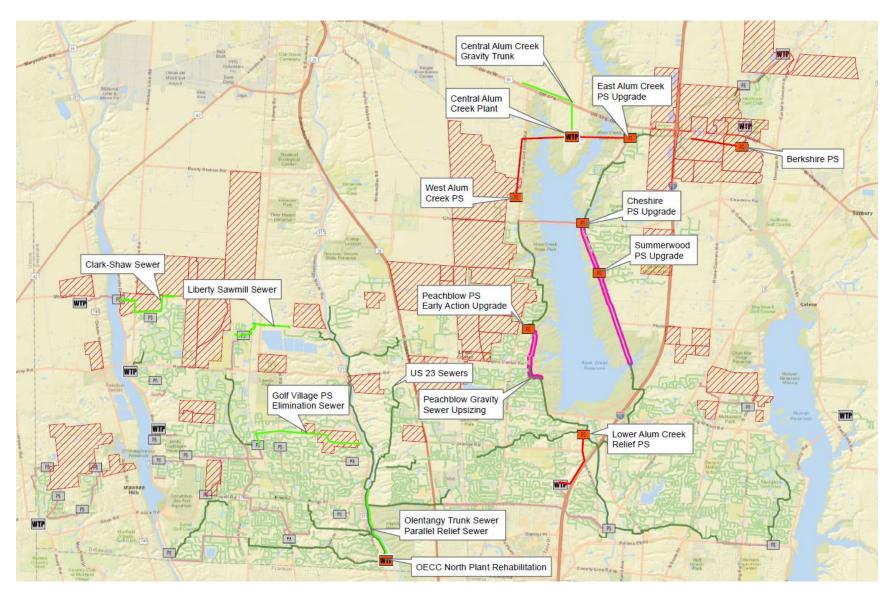
Equivalent Customer Accounts



EXISTING SYSTEM PROJECTS



DEVELOPMENT PROJECTS



DEVELOPMENT EXAMPLES





 Large scale, 900 – 2,000 home "Mega" developments

MASTER PLAN CAPITAL PROJECT NEEDS

Existing System Projects

- \$39 M CIP through 2022
- Alum Creek WRF
 - Mixer and Aeration
 - Dewatering
 - Grit Removal
- OECC
 - Headworks
 - Dewatering
 - North Plant Rehabilitation

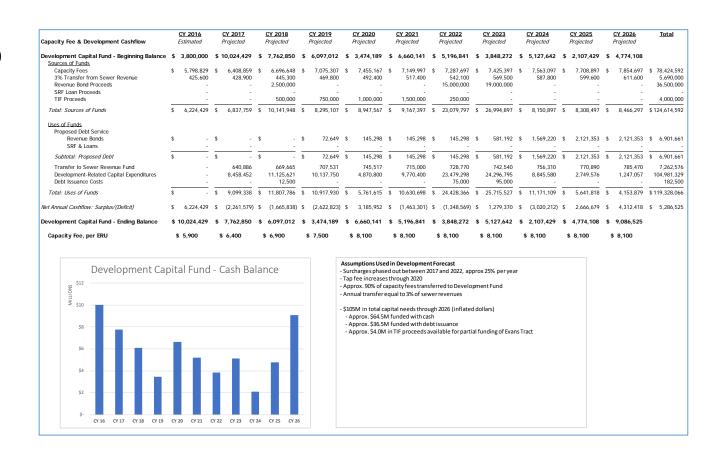
Development-related Projects

- \$105M CIP through 2026
- Central Alum Creek WRF
- Clark Shaw Trunk Sewer
- Liberty Sawmill
- Golf Village Sewers

DEVELOPMENT FINANCIAL PLAN

- Connection fees increasing to \$8,100 over 4 years
 - 90% transferred to development capital fund

 3% of user fee revenues transferred to development capital fund







UTILITY FINANCIAL PLANNING

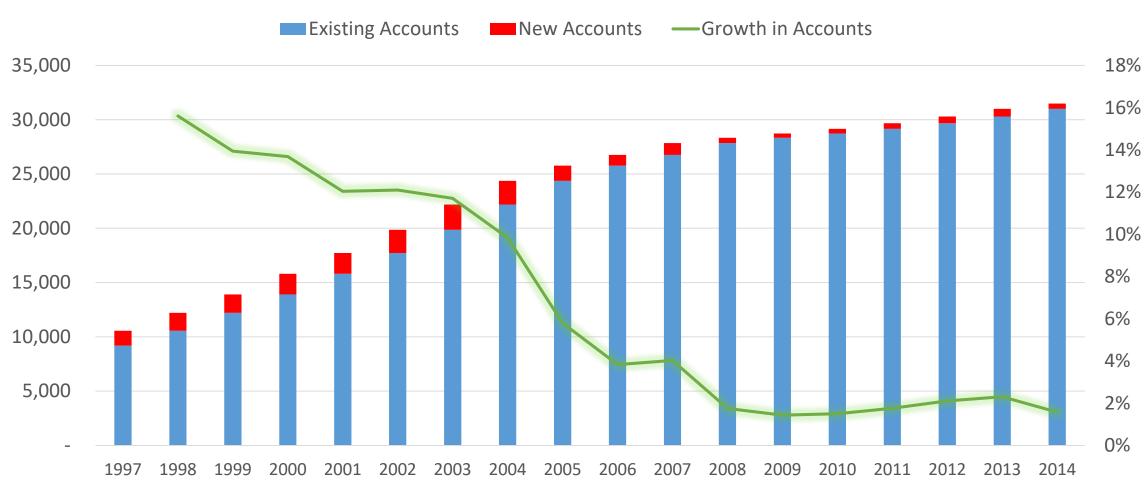
- As an enterprise fund, the utility must run like a self-supporting business
- Scale of operations, infrastructure, and investment requires thoughtful planning for needs for existing and future customers

Objective: Balance system reliability, sustainability and financial integrity with customer costs & impacts



CUSTOMER ACCOUNTS & GROWTH

Equivalent Residential Accounts



SEWER RATE STRUCTURE

- Monthly flat rate based on equivalent residential units (billed quarterly)
 - Delinquency billed on property taxes

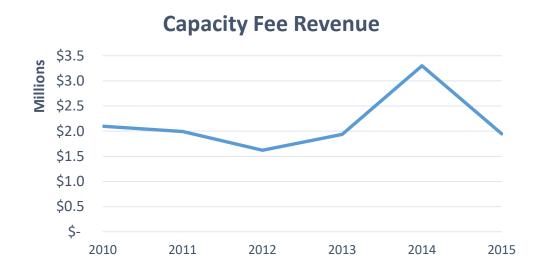
	Current	Feb 1, 2016	Feb 1, 2018
Single Family Residence	\$30.00	\$32.00	\$33.00

- Non-residential based on anticipated volume and strength
- Capacity Fee per ERU: \$5,900
- Surcharges

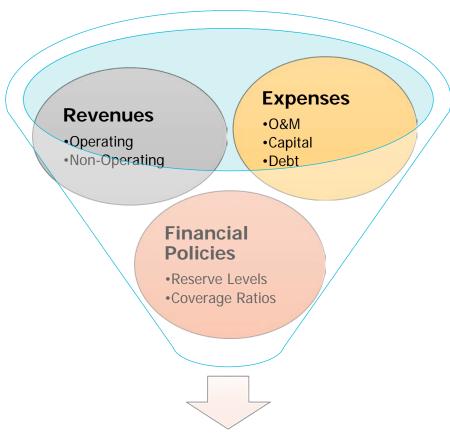


CAPACITY FEES

- Capacity fees should recover:
 - Cost of capital investment already made (System Buy-in)
 - Capital costs yet to be made (Marginal Incremental)
- Calculation based on:
 - Value of fixed assets and anticipated CIP
 - System capacity
 - Assumed gpd per new connection
- Defensibility is key!



UTILITY FINANCIAL PLANNING



Multi-year Financial Plan

Rate/Revenue Adjustment Forecast

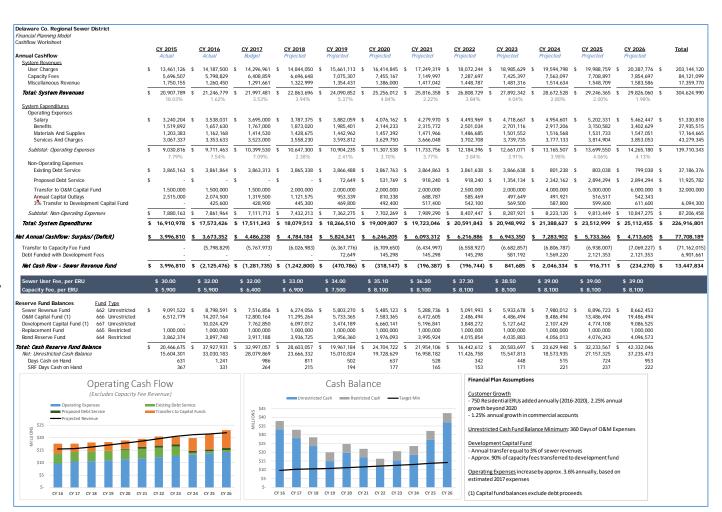
 Cost increases primarily driven by expansion-related capital needs

 Revenues based on customer accounts and growth projections

 Financial policies can help guide the balancing process

OPERATING FINANCIAL PLAN

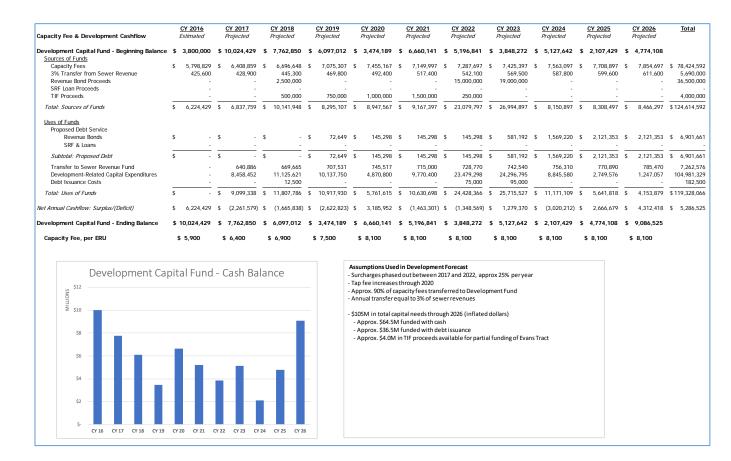
- Moderate growth in customer accounts
- Monthly rate increases approved through 2024
 - \$39/month flat rate, average 3% annually
- 3% of user revenues and 90% of capacity fees transferred to development capital fund



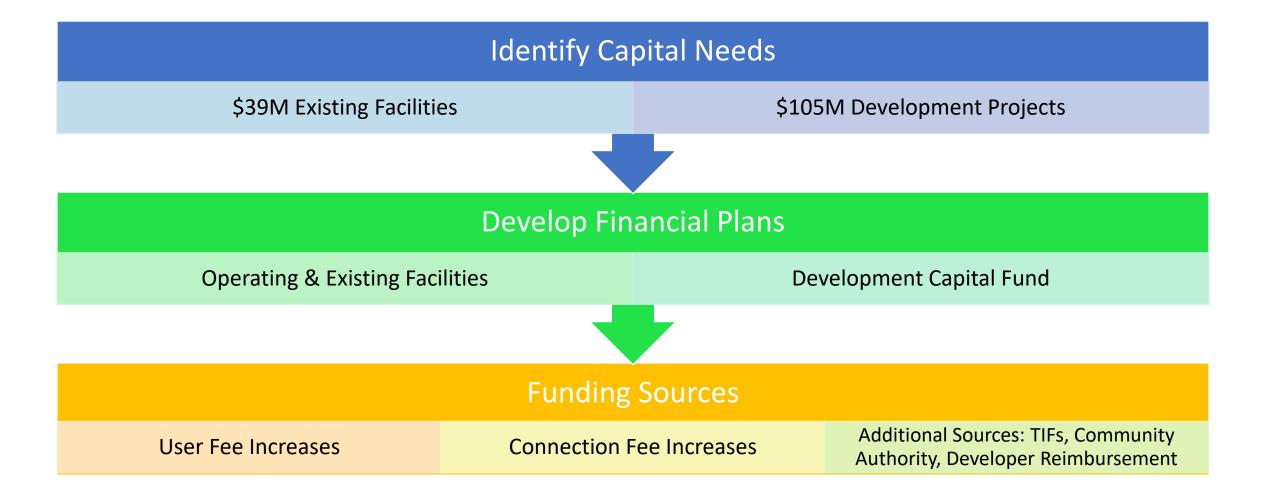
DEVELOPMENT FINANCIAL PLAN

- Connection fees increasing to \$8,100 over 4 years
 - 90% transferred to development capital fund

 3% of user fee revenues transferred to development capital fund



FINANCIAL PLAN RESULTS



Outcome: Commissioner Buy-in, Stakeholder Support, Ratings Upgrade (AAA)

CONTACT:

MICHAEL FROMMER, PE mfrommer@co.delaware.oh.us

JOE CREA jcrea@raftelis.com