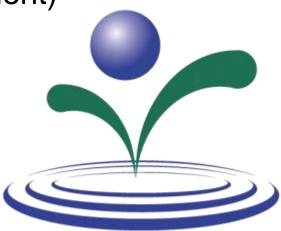
Assessing Financial Condition

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Session Objectives

 Understand where your water system is right now, or has been in the past, financially

 Learn some standard measures that you should be concerned with and what funders (and the LGC) will be looking at







Whiteboard Video: Financial Benchmarking

http://www.waterrf.org/Pages/Projects.aspx?PID=4366









Can You Sleep at Night?

• Is your utility (public enterprise) self sufficient?

Operating Ratio

- Can your utility meet its short term obligations?
- If your customers stop paying their bills, how long can you maintain operations?
- Are you able to cover your debt service after paying for your day to day operations?
- How much of your utility's expected life has already run out (and how much is left)?



Days Cash on Hand

Debt Service Coverage Ratio

Asset Depreciation





Where Do We Get Started?

- Local governments: Audited Financial Statements!
- (I know, I know, it's still morning...)

• Non-governments: balance sheets, shareholder reports, annual reports, etc.





Helen, GA

- Service Population: 1,313
- Number of Connections: 505
- MHI in 2011: \$30,972
- Percent Poverty: 23%

Woodbine, GA

- Service Population: 1,508
- Number of Connections: 580
- MHI in 2011: \$29,891
- Percent Poverty: 27%





Operating Ratio = Operating Revenues Operating Expenses

Natural Benchmark: > 1.0

A measure of self sufficiency.

The revenue you get from daily operations, divided by the expenditures or expenses you make to keep operations running (see next slides)

Note: sometimes operating ratio is inverted





This Funny Thing Called Depreciation

- This is an accounting solution to the problem of things getting old
- You have a "cost" every year of your infrastructure wearing out, a percentage of its value





T'mayto, Tahmahto: Operating Ratio



- You may wish to include depreciation in your operating ratio
 - Operating revenues divided by operating expenses including depreciation and the provision for bad debts.
- National Association of Clean Water Agencies
 - Operating revenues divided by operating expenditures (excludes depreciation).





Helen, GA

- Operating Revenue (1): \$709,972
- Operating Expenses (2) (including depreciation): \$671,333

Woodbine, GA

- Operating Revenue (1): \$444,231
- Operating Expenses (2) (including depreciation): \$511,448

 Operating Ratio: 1.06 Operating Ratio: 0.87





Helen, GA

- Operating Revenue (1): \$709,972
- Operating Expenses (2-3) (excluding depreciation): \$459,082

Woodbine, GA

- Operating Revenue (1): \$444,231
- Operating Expenses (2-3) (excluding depreciation): \$368,985

 Operating Ratio: 1.55 Operating Ratio: 1.20







Debt Service Coverage Ratio

Operating Revenues - Operating Expenditures (excludes depreciation)

Principal + Interest Payments on Long Term Debt

Natural Benchmark: > 1

A measure of the ability to pay debt service with operating revenue: Operating revenue left over after daily operation expenditures, divided by debt service

Funders typically set targets for utilities that exceed 1.0 by a substantial amount, and prefer to see much higher ratios.



Helen, GA

- Operating Revenue (1):
 \$709,972
- Operating Expenses (2-3) (excluding depreciation): \$459,082
- P & I (4):
 \$190,633

1.32

 Debt Service Coverage Ratio:

Woodbine, GA

- Operating Revenue (1):
 \$444,231
- Operating Expenses (2-3) (excluding depreciation): \$368,985
- P & I (4): \$84,783
- Debt Service Coverage Ratio: 0.89







Quick Ratio

Quick Assets (unrestricted, excluding Inventories and Prepaid Items)

Current Liabilities

Natural Benchmark: >1 Accepted Benchmark: > 2

A measure of short-term liquidity: ability to pay your current bills





Helen, GA

- Current Unrestricted Assets (5): \$634,407
- Current Liabilities (6): \$898,474

- Woodbine, GA
- Current Unrestricted Assets (5): \$326,000
- Current Liabilities (6): \$108,390

Quick Ratio:
 0.71

 Quick Ratio: 3.01





Days Cash on Hand

Unrestricted cash and cash equivalents \times 365

Operating Expenses – Depreciation

Benchmark? At the <u>very least</u>, enough to last a billing cycle or when you expect a substantial inflow of cash

A measure of the ability of the utility to weather a significant temporary reduction in revenue to continue paying for daily operations





Helen, GA

- Unrestricted cash & cash equivalents (7): \$568,061
- Operating Expenses (2-3) (excluding depreciation): \$459,082

Woodbine, GA

- Unrestricted cash & cash equivalents (7): \$284,130
- Operating Expenses (2-3) (excluding depreciation): \$368,985

Days Cash on Hand: 452 Days Cash on Hand: 281





Asset Depreciation*

Accumulated Depreciation

Gross Plant and Equipment

Benchmark? Don't get close to 1.0

A measure of how much of your total assets have already depreciated. As you approach 1.0, your system is near the end of its expected life.



*Caveat - This indicator is only as good as your depreciation schedule and even then historic pricing is likely to distort the results.





Helen, GA

- Accumulated depreciation (8): \$2,670,974
- Total Capital Assets (9): \$7,480,208

Woodbine, GA

- Accumulated depreciation (8): \$2,514,933
- Total Capital Assets (9): \$6,246,472

 Asset Depreciation: 36% Asset Depreciation: 40%





Transfers to the General Fund

- Generally, your water system should <u>not</u> be subsidizing the tax base and vice versa
- However, if you receive services from the local government, it is appropriate for you to pay for them (partial time of town manager, attorney, payroll services, public works to repave roads, etc.)
- PILOTS







Why Care About This?

- Setting rates and financial planning: as you think about the future needs of your system, you have to know where you are starting from
- Monitor system's financial performance to detect any negative trends (long-term)
- Funders care about these ratios → lower interest rates
- Accountable to your customers





Debt Ratios

FitchRatings

Public Finance

Appendix F: 2013 Medians Relative to Rating Category

Rating Category			
AAA	AA	Α	All Credits
1,213	1,828	1,951	1,650
352	492	521	460
1,583	2,117	2,354	2,024
2.3	2.0	1.4	2.0
2.7	1.9	1.5	2.0
37	39	45	39
427	418	285	417
430	390	250	373
3.4	3.0	2.6	3.1
	AAA 1,213 352 1,583 2.3 2.7 37 427 430	AAA AA 1,213 1,828 352 492 1,583 2,117 2.3 2.0 2.7 1.9 37 39 427 418 430 390	AAA AA A 1,213 1,828 1,951 352 492 521 1,583 2,117 2,354 2.3 2.0 1.4 2.7 1.9 1.5 37 39 45 427 418 285 430 390 250







 Once we figure out where we are, how do we know where we are going?

 How do we estimate the future costs and revenues?





