Understanding the Costs of Water Service

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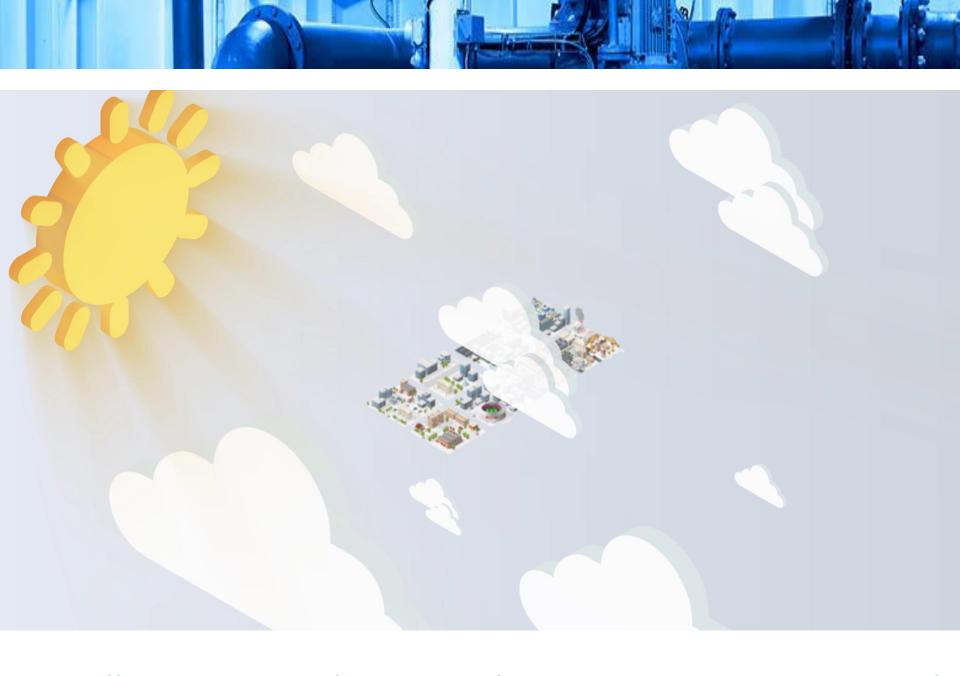
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"Full Cost Pricing"

 Charges for water cover the <u>entire</u> cost of running the water system today and into the future



https://efcnetwork.org/publication/video-full-cost-pricing-of-water/

Three Types of Costs

Personnel—who works for your water system

 Operating—day to day expenses of running the system

Capital—your water infrastructure



Costs of water systems

Let's make a list!

Who Works in Water

 This is <u>everyone</u> who has a role to play with the water system

 Also include who will need to work with the system if you implement rates

Who Works in Water





















Who Works in Water

- Salaries
- Benefits
- Potential overtime, if applicable
- What percentage of this person's time will be dedicated to the water system

 List the types of costs you have to run the water system every day

 Also include any new costs you will have if you implement rates



























Total costs for each of these line items

 Note: Very few of these expenses change based on how much water you treat and sell

Water Infrastructure

 What assets are needed to run your water system?

 Also include any new infrastructure that you will need if you implement rates

Water Infrastructure















Water Infrastructure

Ideally, you want to collect:

- What infrastructure you have
- What condition it is in
- How much useful life is remaining
- Replacement cost

http://southwestefc.unm.edu/assetmanagement-overview/











RESOURCES



WHAT WE DO

≡ ASSET MANAGMENT

OVERVIEW

AM IQ

AM MANUAL

RESOURCES

≡ ENERGY MANAGMENT

≡ SMALL SYSTEMS PROJECTS

≡ SOURCE WATER PROTECTION

TRIBAL DRINKING WATER

≡ WATERCARE COMMUNITIES

Home > Services > Asset Management - Overview

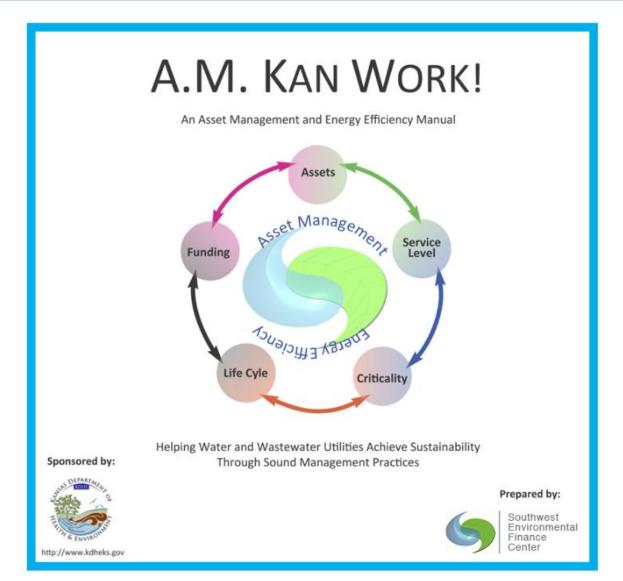
Asset Management - Overview



Assets are generally the most expensive components that a community can own, operate, maintain and replace. Making the right choice about how to manage a community's assets is key to being able to sustain the assets over time. One of the best tools to help a community manage its assets is called, Asset Management. It helps answer the questions of what should we do, how should we do it, when should we do it, and where is the best place to make an investment in our assets.

Asset Management is a proven method whose techniques have been refined by the international community, particularly in Australia and New Zealand. It has now been practiced overseas for well over 15 years and has been gaining popularity across the US for the

http://southwestefc.unm.edu/amkan/main.php



Annual Budget

 All of these costs become part of the annual budget for our water system

 That budget can be helpful as we figure out what to charge for water service, so it is important that the budget be both accurate and complete

Other Data Needs

Number of Connections Served

Residential vs. Commercial

Tribal vs. Non-Tribal

Elder

Other special classes

Number of Connections Served

 Is the number of people you are serving changing over time?

Changes in business enterprises

http://factfinder.census.gov





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MAIN

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GUIDED SEARCH

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Check out the early preview of our new dissemination platform at data.census.gov.

Community Facts

Find popular facts (population, income, etc.) and frequently requested data about your community.

Enter a state, county, city, town, or zip code:

e.g., Atlanta, GA

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Popular Tables

Population and Housing

- Annual Population Estimates (2018 PEP, PEPANNRES)
- Demographic and Housing Estimates (2017 ACS, DP05)
- General Housing Characteristics (2017 ACS, DP04)
- General Demographic Characteristics (2010 Census, DP-1)

Poverty and Income

General Economic Characteristics (2017 ACS, DP03)

Age, Race, Sex and Education

- Selected Social Characteristics (2017 ACS, DP02)
- Educational Attainment (2017 ACS, \$1501)

News and Notes

GET EMAIL UPDATES

Water Production & Usage

- How much is pulled in from water sources
- How much is treated
- How much is delivered to neighborhoods or areas of the system
- How much is delivered to individual residences and businesses

Production & Usage Trends



Note About Metering



Water System Funds

- Rates and fees charged for water
- Tribal general fund
- Revenue from business enterprises
- Grants

Determine the Cost of Water Service

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