









#### Opelika Utilities, Alabama



 46,000 people served through about 15,000 connections

Serving a typical mix of residential and non-residential customers





#### Radical Redesign of their Rates

- Changing the price
- Lowering the gallon allowance in the base rate from 4,000 gallons a month to 0 gallons
- Dynamic volumetric rate that changes monthly based on actual costs of providing water service
- Concern: Affordability





## Are our rates affordable?





## Can customers afford our rates?





#### We ran the standard affordability metrics...

Nothing stood out!

 Some low-income households, of course, but most of their numbers were close to state and national averages





## Can customers afford our rates?





# Are customers affording our rates?





#### One More Reason!

"Affordability" can be a controversial subject for utility leadership

Getting more customers to pay their bills on time is <u>not!</u>









#### Bill Payment Rate

 We often measure this as the number of bills or amount billed annually that is paid

 Opelika Utilities had a high percentage of bills that were paid...eventually





### Out of 6

bills was paid late









### So what?









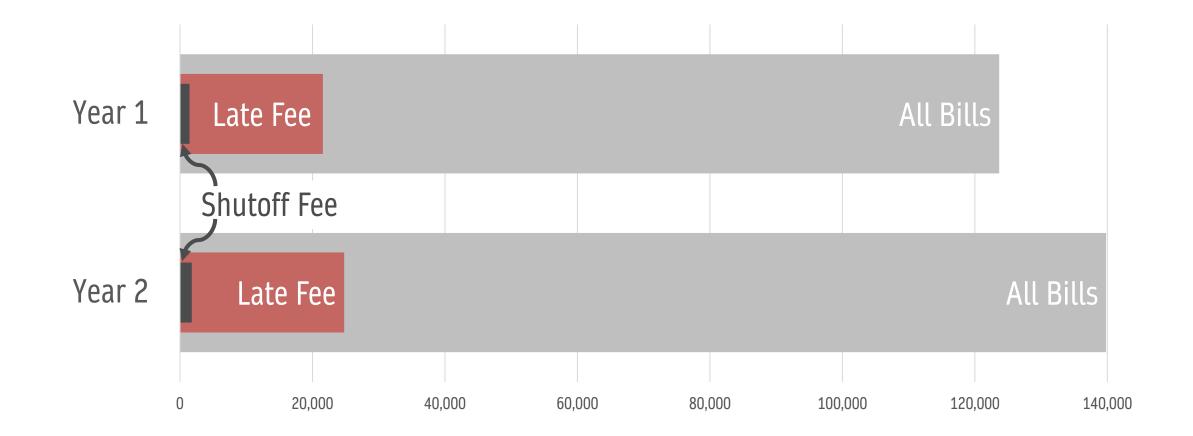
#### Opelika's Delinquency Policy

- Payment is due in 15 days
- Late bills are assessed a \$5.00 fine and given 5 business days to pay up
- After five days, the account is levied a \$35.00 fine and service is disconnected





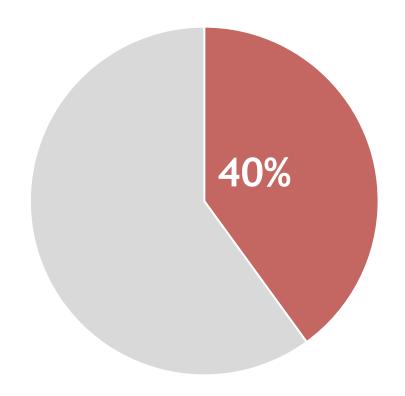
### A Tiny Percentage of Bills that Received at Late Fee Also Received a Shutoff Fee







### 40 percent of all customers had at least one late payment each year

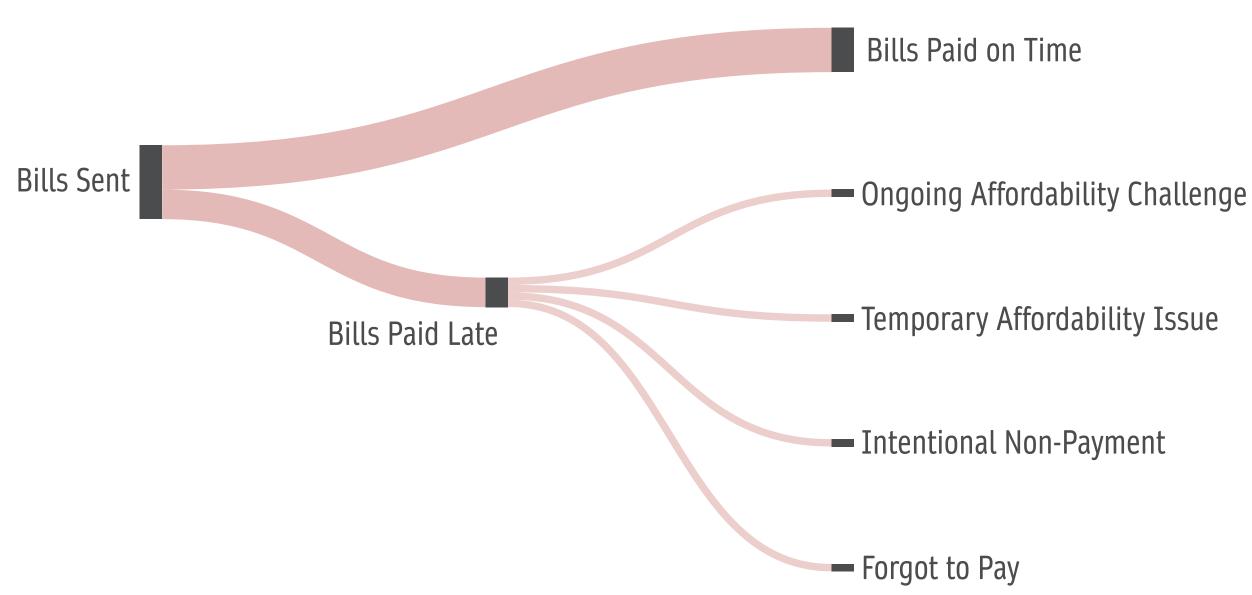






# Why does someone pay a bill late?









#### Approach Inspired by Water Audits

#### FWAS v6.0 AWWA Free Water Audit Software v6.0 American Water Works Association Copyright © 2020, All Rights Reserved. This spreadsheet-based water audit tool is designed to help quantify and track water losses associated with water distribution systems and identify areas for improved efficiency and cost recovery. It provides a "top-down" summary water audit format and is not meant to take the place of a full-scale, comprehensive water audit format. Auditors are strongly encouraged to refer to the most current edition of AWWA M36 Manual for Water Audits for detailed guidance on the water auditing process and targeting loss reduction levels. This tool contains several separate worksheets. Sheets can be accessed using the tabs at the bottom of the screen, or by clicking the TOC links below. In order of appearance Table of Contents (TOC) **Enter Basic Information Key of Input Acronyms** in the Worksheet Name of Utility: City of Asheville Volume from Own Sources The current sheet. Enter contact information and basic Name of Contact Person: Brandon Buckner VOSEA VOS Error Adjustment **Email**: Water Imported Telephone | Ext.: WIEA WI Error Adjustment Enter the required data on this worksheet to calculate the City/Town/Municipality: Asheville Water Exported water balance and data grading. State / Province: North Carolina (NC) **WEEA** WE Error Adjustment **BMAC** Billed Metered Authorized Consumption Answer questions about operational practices for each audit input, and the data validity grades will automatically Country: USA BUAC Billed Unmetered Authorized Consumption Grading populate. Audit Preparation Date: Nov 01 2020 UMAC **Unbilled Metered Authorized Consumption** Audit Year: 2020 UUAC **Unbilled Unmetered Authorized Consumption** Review NRW components, performance indicators and Audit Year Label: Fiscal Systematic Data Handling Errors (Fiscal, Calendar, etc) graphical outputs to evaluate the results of the audit. Audit Period Start Date: Jul 01 2019 **Customer Metering Inaccuracies** Enter notes to explain how values were calculated. Audit Period End Date: Jun 30 2020 **Unauthorized Consumption** Notes document data sources, and related information about Volume Reporting Units: Million gallons (US) Length of mains data management practices. Water System Structure: Retail Number of service connections Water Type: Potable Water Lp Average length of (private) customer service line By popular demand! A blank sheet. System ID Number: 01-11-010 **AOP Average Operating Pressure** The world is your canvas. Validator Name/ID: Will Jernigan, P.E. CRUC Customer Retail Unit Charge Validator Email: will.jernigan@cavanaughsolutions.com Variable Production Cost The values entered in the Worksheet automatically **Water Balance** Estimated Total Population Served by Water Utility: 200,000 populate the Water Balance. Loss Control Use this sheet to interpret the results of the audit validity Color Kev Optional default User input Calculated Planning score and performance indicators. Use this sheet to understand the terms used in the audit **Guidance for the Interactive Data Grading** Guidance for the Worksheet



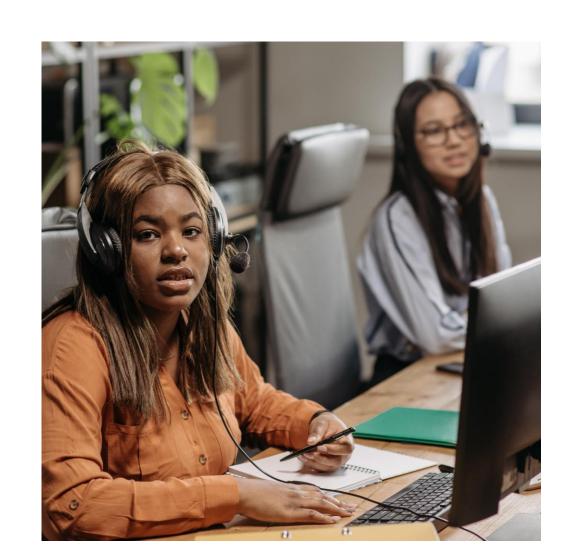






#### Method #1: Ask

- Contact every customer with a late payment
- Ask why they didn't pay their bill on time
- Hope they tell you the truth











#### Method #2: Data Analysis

- How often has this customer not paid the bill on time?
- How often have they been shut off?
- How many days between late notice/disconnection and payment?









#### Customer #1

- Shut off 7 times in the past two years, sometimes for as long as a week
- Often incurs a late fee in other pay periods

Most likely an ongoing affordability challenge









#### Customer #2

- Over a two-year period, received a late fee three times in non-consecutive months
- Always paid bill 1-2 days after receiving the late notice

Most likely forgot to pay









#### Customer #3

- Always paid on time, but last January did not pay and had water shut off for 5 days
- Has maintained service since then

Most likely a temporary affordability issue









#### For Opelika

• The most likely reason for the number of late payments, based on the data analysis, was customers forgetting to pay their bills











#### The Solution?

- Text and email reminders about bills due
- Push notifications through the utility's app
- Encourage more people to enroll in the auto-pay program





#### Those with Ongoing Affordability Challenges

- ~115
- Referrals to local social service agencies
- Low-Income Household Water Assistance Program (LIHWAP)









#### The Future











#### Thank You!





#### Glenn Barnes

Water Finance Assistance

617-388-4404

glenn@waterfinanceassistance.com

www.waterfinanceassistance.com

Twitter: <a>@h2ofinance</a>

LinkedIn