

Utility

■ Quarter 2 2018

Department Updates

Updates

- <u>Automated Merchant Systems</u> contract review next steps
 - 1. Select utility billing system
 - 2. Determine whether AMS is an appropriate payment processor
 - 3. If not, give AMS notice of terminating current agreement
 - 4. Select new payment processor



South Bend Water Shutoffs

Center for Data Science and Public Policy



The Project

- 1. Quantify the scope of utility payment delinquency in South Bend
- Characterize delinquent behavior, characteristics of delinquent accounts, and water shutoffs
- 3. Quantify impact of delinquency on city and residents
- 4. Motivate an intervention to decrease amount of delinquency

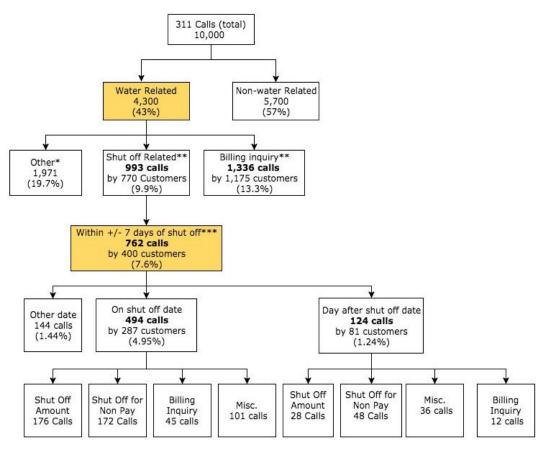
The Problem

- 5,489 accounts (11% of all accounts) had their water shut off at least once in 2016.
- Water shut offs are used as a lever for payment of a combined utility bill in cases of prolonged delinquency.
- 2016 figures: 8,076 water shut offs total equivalent to 673 water shut offs every month

On average, during a single month in 2016

311 Calls

Every month, **2,329** calls are specifically about water shut offs or water billing inquiries.



If one excludes calls that were transferred to IVR for billing, this number decreases to 718.

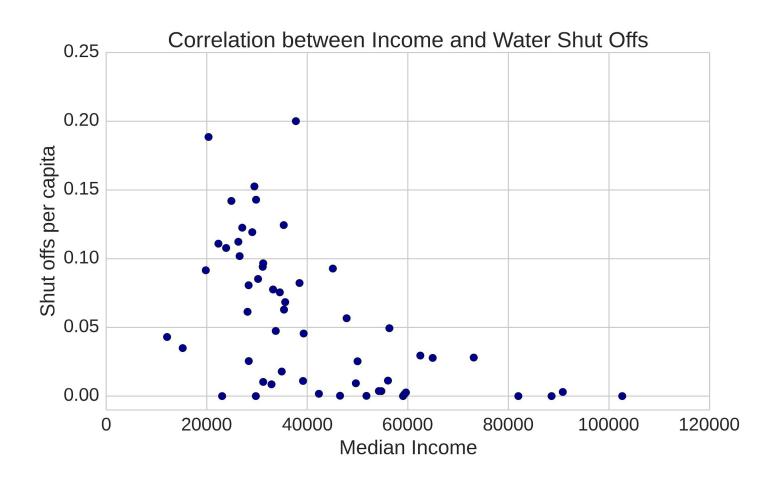


^{*}Includes calls redirected to IVR, miscellaneous, etc.

^{**}As categorized by the 311 call data records

^{***}Based on the shut-off date in the utilities data records , not the work order data.

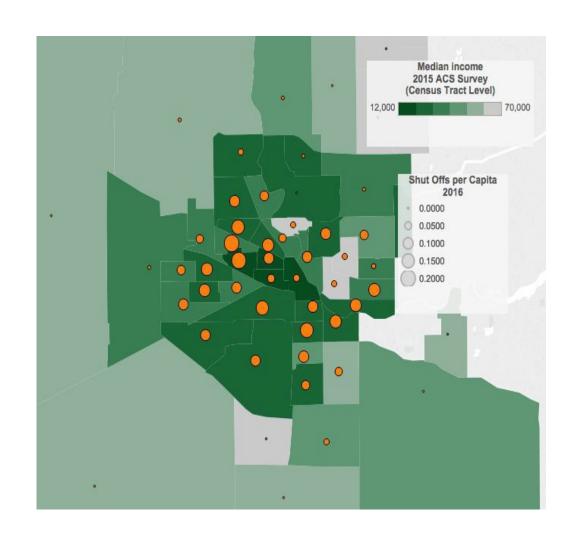
Who is affected?





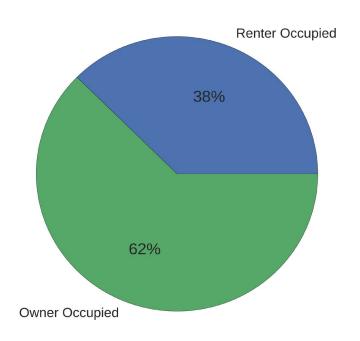
Mapping Shut Offs

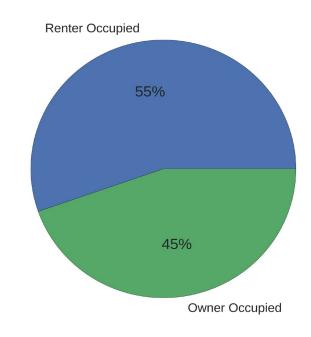
The median household income for the census tracts where accounts have water shut off, weighted by the number of such accounts, is \$30,000.



Disproportionate Effect on Renters

Housing Units in South Bend Shut Offs in South Bend

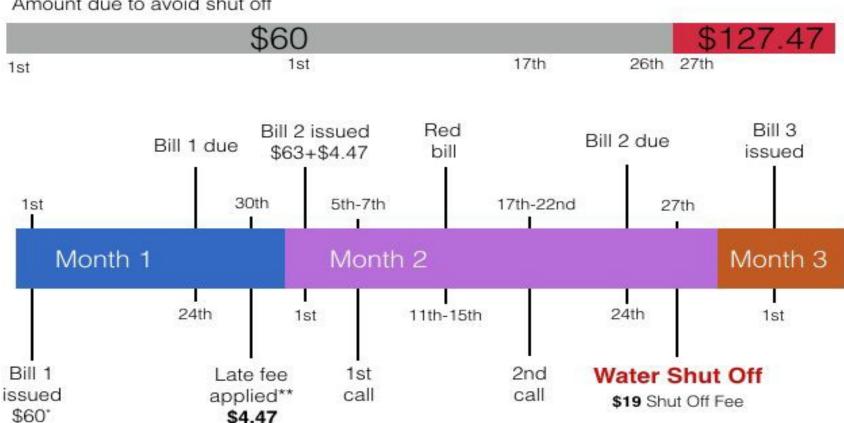






Understanding the Billing and **Shut Off Process**

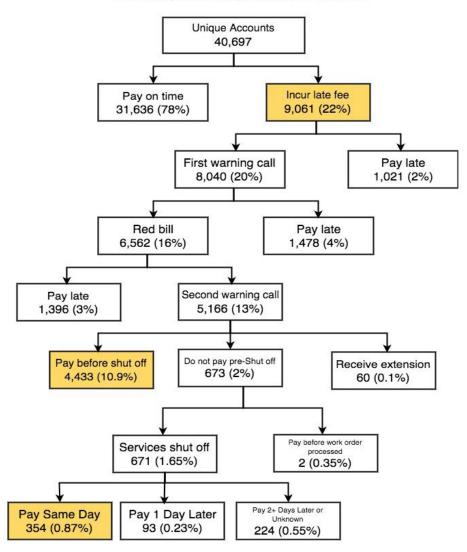
Amount due to avoid shut off



View of an Average Month

22% of all accounts incur a late fee on average in a given month, and 16% of delinquent accounts also receive a red bill, meaning they do not pay for an additional two weeks after incurring the late fee.

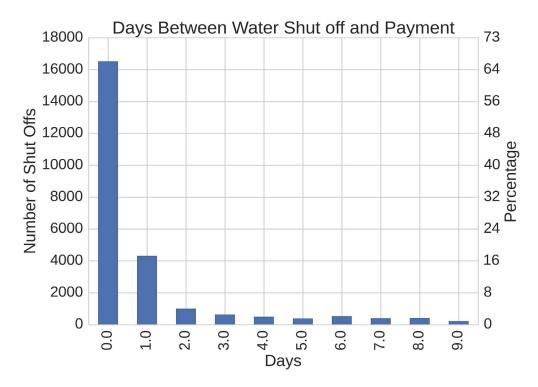
On average, in a single month in 2016.....





When do accounts pay?

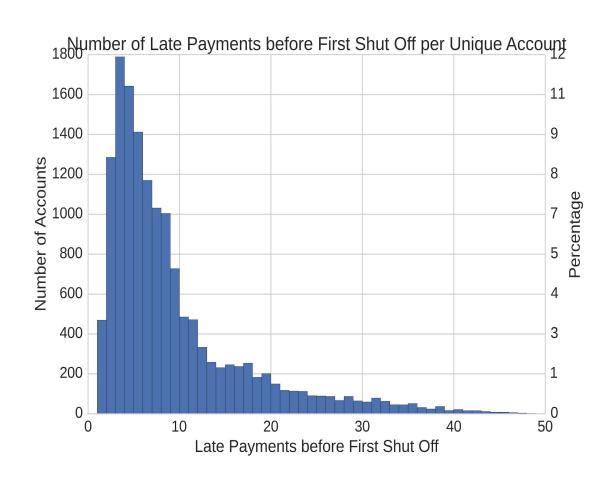
 66% of delinquent accounts make a payment the same day that their water is shut off.





Understanding Payment Behavior

A "typical" delinquent account makes 6 late payments in the months prior to the first time it reaches the shut off point.





Understanding Payment Behavior

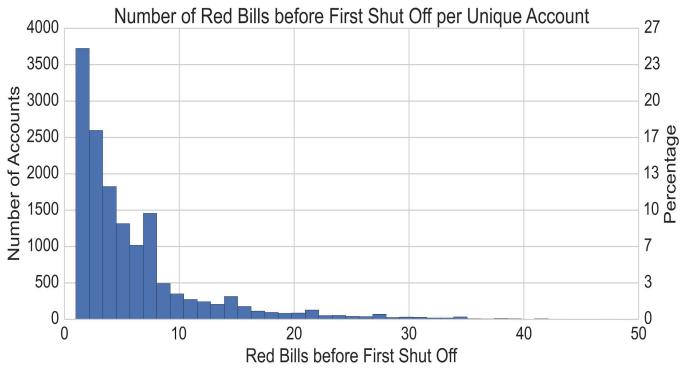
A "typical" delinquent account receives 4 red bills in the months prior to the first time it reaches the shut off point.

Minimum: 1

Maximum: 48

Mean: 6.2

Median: 4



Disconnect Notice Trial



Disconnect Notice Trial Goal

- Increase the proportion of customers who pay their bill before shutoff
- Disconnect notice modified using behavioral insights
- Experiment impacted disconnect notices sent from January 3 through January 29, 2018, excluding January 9
- Half of recipients were sent the traditional notice and half were sent the experimental notice

Traditional and Experimental Notices

SOUTH BEND MUNICIPAL UTILITIES 125 WEST COLFAX AVENUE SOUTH BEND, INDIANA 46601-1601 574 235 9236

Account Information

Account Number:
Service Address:

Billing Detail

Notice Date: 02/09/17 Disconnection Date on or after: 02/22/17 Total Amount Due Now: \$63.82 Pay by 02/22/17 to avoid additional fees

FINAL NOTICE BEFORE DISCONNECTION DUE TO NON-PAYMENT OF UTILITY BILL

According to our records, payment of your utility bill has not been received. To avoid additional charges and interruption of service, please make payment before the disconnection date noted above.

In the event your service is processed for disconnection, you must pay all fees and delinquent charges owed to the utility. Service will be restored within one working day following receipt of payment. Please contact the South Bend Water Works office at 574.233.0311 or 3-1-1 locally for questions about your account.

Total Payment Due now

\$63.82

"Approved by the State Board of Accounts for the City of South Bend, 2013.



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Account Detail

Account Number: Service Address: Total Amount Due

INCLUDE STUB WITH PAYMENT

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SOUTH BEND WATER WORKS PO BOX 7125 SOUTH BEND, IN 46634-7125

000053905000046522000012878

SOUTH BEND MUNICIPAL UTILITIES

125 West Colfax Avenue South Bend, IN 46601-1601 574,235,9236

ACCOUNT & BILLING INFORMATION Account Name: Account Number: Account Number: Account Number: ACCOUNT # Address: ADDRESS:

 Account Number:
 <ACCOUNT #>

 Service Address:
 <ADDRESS>

 Notice Date:
 6/19/2017

PAY BEFORE DEADLINE TO AVOID DISCONNECTION OF WATER SERVICES

PAYMENT DEADLINE
(PAY BY 500PM ON DATE LISTED)

07/05/17

PAY AFTER DEADLINE to RESTORE SERVICES \$195.34

DISCONNECTION NOTICE

PAYMENT INFORMATION

You can now pay your bill online. Visit the website at www.southbendin.gov/utilitybillpay, or use one of the following payment methods:

Online Bill Pay: Pay by Phone: Walk-In Hours: Drive-Up Window: www.southbendin.gov/utilitybillpay 574.235.9236 Monday–Friday, 8:30am–5:00pm Monday–Friday, 8:00am–5:00pm

FINAL NOTICE BEFORE DISCONNECTION OF WATER SERVICE

This disconnection of service notice was sent because of an overdue balance on the account. If you choose not to respond to this letter, it will be taken as approval for disconnection. All extensions and payment arrangements must be made in the Customer Service Office before 5:00pm on the payment deadline stated on this notice.

No extensions or payment arrangements will be made after service has been disconnected. Please note that if your services are disconnected, then an additional \$19 deliquency processing fee will be charged to your next billing cycle. For bill payment and other services, you may call our 24/7 integrated voice response system at 574,235,9236.



SOUTH BEND MUNICIPAL UTILITIES 125 WEST COLFAX AVENUE SOUTH BEND, IN 46601-1601 574 235 9236

ELECTRONIC SERVICE REQUESTED

703-0 DUPLICATE -

SDD1031A 20000000001 1/1

աների արթեակ արկրի իրկի արև հայարի հա

CUSTOMER NAME
ADDRESS 1
ADDRESS 2

ACCOUNT INFORMATION

Account Number: Service Address: Amount Due: <ACCOUNT #>
<ADDRESS>
\$103.87

INCLUDE STUB WITH PAYMENT

||Արկիդերդեսկվուիթիիկեկիկեցիորդ|Արկույր|

SOUTH BEND WATER WORKS PO BOX 7125 SOUTH BEND, IN 46634-7125

000028779000077262000019534

Disconnect Trial Outcome

- Approximately 6,700 notices sent overall
- Outcome measure: whether customers who received the test notice were more likely to pay before shutoff than those who received the traditional notice
- Findings: no statistically significant difference
- 268 accounts who received the experimental notice were shutoff compared to 282 accounts shutoff who received the traditional notice



Potential Explanations for Trial Outcome

- Experimental letter did not motivate individuals to pay
- Individuals receiving the experimental notice were unable to pay
- Individuals fail to open their disconnect notice
- The change in behavior was too small to measure in the current sample size



Payment Extensions

Utility Payment Extension Overview

- Utility allows an account up to 4 extensions per year
- Resident required to come into customer service office
- Customer service representatives inform residents of extension program
- Extension gives resident additional 10 days from shut off due date to make a payment

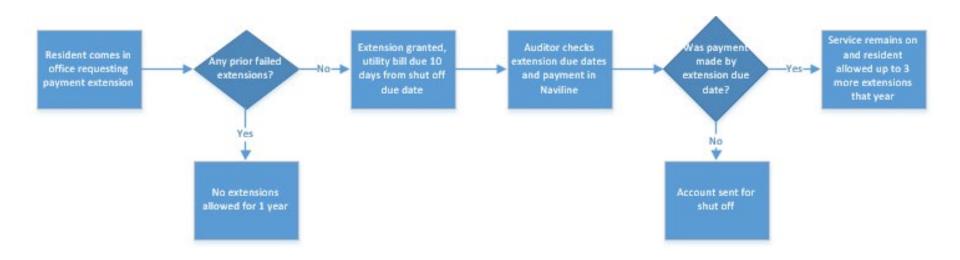


Extension Form

	mple ter Works - Extens	sion Form
Date <u>5-21-18</u>	Account No.	Cy/Rt <u>04-03</u>
	Name _	
Pay Promised \$ 48.54	By 5 131	1/18 Clerk
Signature		
Remarks 1 ST Ext due by		Payment must be made in the office by 5:00 p.m.
5/31/18		-not in the drop box.



Process Map Extensions



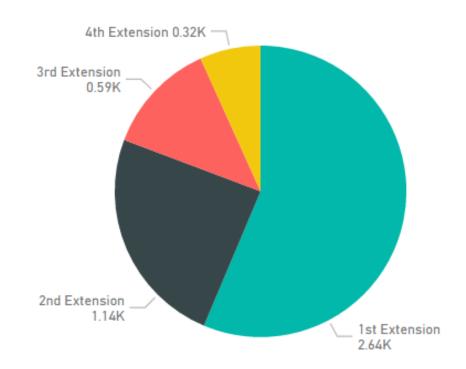
Extensions

Data is from Jan. 2017 through Apr. 2018

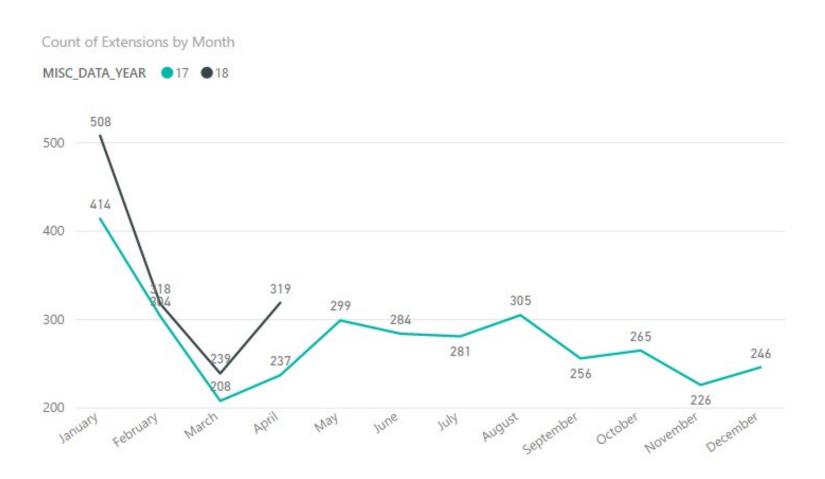
Number of Extensions

Total Extensions

4711

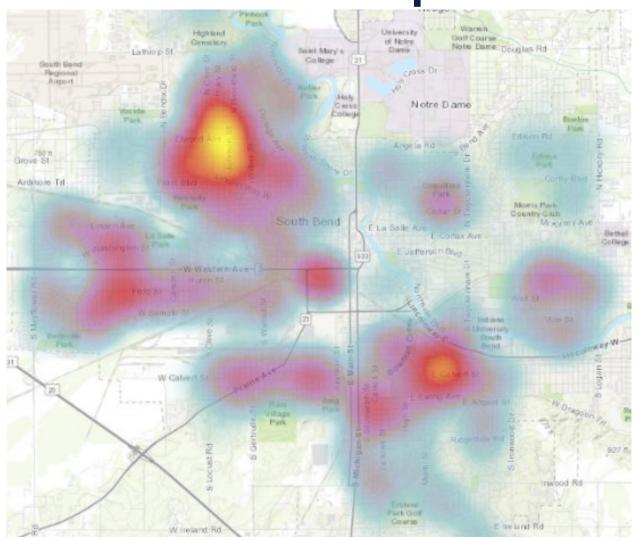


Extensions





Extensions Heat Map





Payments

- 3,929 payments within 30 days of date extension given
- 32% of payments are on time
- 68% payments exceed 10 day extension period
- Average number of days when resident pays extension= 13.7



Potential Projects

Project 1: Extension Communication

- Communicate extensions in other methods
- What may be the best method to reach residents who could benefit from an extension?
- Potential to trial different forms of communication

Project 2: Actions from Shutoff Study

- Test a proactive approach to target at-risk residents identified in study
- Inform at-risk residents of extension program or other services in the city that help people in need
- Decide when to intervene



Celebrating Our Values

Excellence and Accountability

 Consumer Confidence Report THE CITY OF
SOUTH BEND
CONSUMER
CONFIDENCE
REPORT &
SUMMARY OF
WATER QUALITY
TESTING
COMPLETED IN
2017

PWSID 5271014





The South Bend Water Works utilizes ground water from the Saint Joseph Aquifer, the Saint Joseph Tributary Valley System and the Hilltop Aquifer as its drinking water source. There are nine well fields available for use containing wells ranging from 106 to 237 feet below the ground surface.

South Bend Water Works regularly conducts thorough testing on groundwater, water being treated, and water being sent to homes, schools, and businesses. South Bend goes beyond the level of testing required by regulations to closely monitor and manage its water quality at all times.

For more information on water quality or for additional copies of this report, call the Director of Water Quality at 574-235-5994 or the Water Quality Specialist at 574-235-9670.

You may also email waterquality@southbendin.gov. For after hours concerns, call 574-235-9464.

The Board of Public Works meets on the 2nd and 4th Tuesday of each month at 9:30 AM. The meetings are open to the public and are held on the 13th floor of the County-City Building located at 227 West Jefferson Blvd.

This report can be viewed electronically at bit.ly/sbww2017CCR

Este informe contiene informacion muy importante. Traduzcalo o hable con algien que lo entienda bien. Para discutir esta informacion en espanol, por favor llame al 311.

