Hawai'i Rates Dashboard

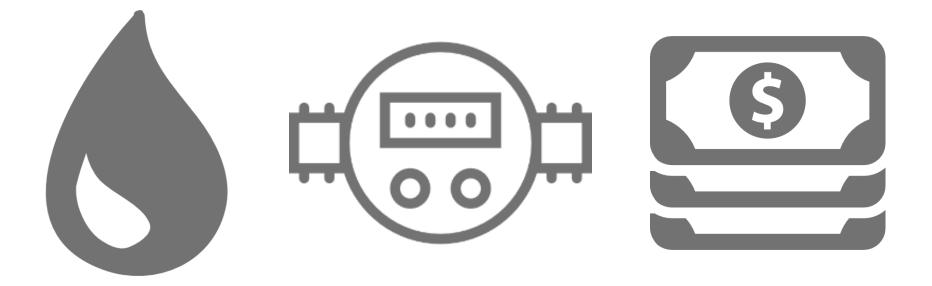
Glenn Barnes Environmental Finance Center The University of North Carolina at Chapel Hill 919-962-2789

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Data: Friend or Foe?

- Data are useful for communicating with decision makers and the public
- But data can be overwhelming, and data can be misinterpreted
- Small systems may not think they have the capacity to gather data

Common Question: Rates



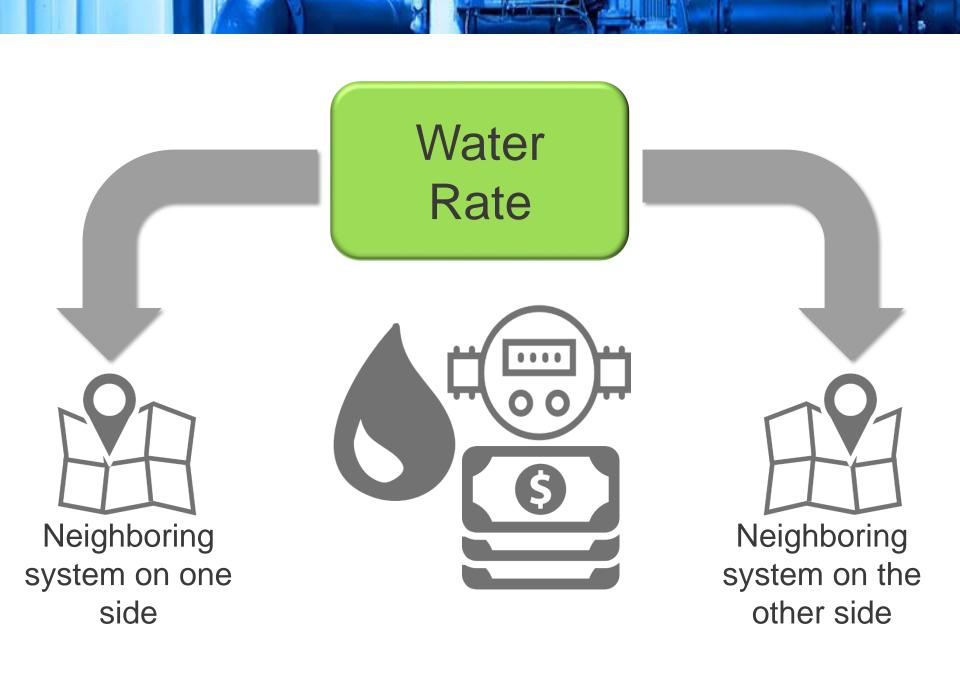


Are our rates right?



Translation:

How do our rates compare? Is our water cheap? Or at least cheaper than our neighbors?



				Oct 03 17.0	01:24p								
	WATER / SEWER	ALEXANI		i i			CITY OF ASHEBORO- V						
		ALEXANI	Water and Sewer								CF ALTRA	TOWN OF AUTRYVILLE	Mayor: Rev. Larry
Water & Sei	Water - Inside Corporate Lin	JL					WATER AN				CHAR BOA	215 South Gray Street	910-525
	0 - 300 Cubic Feet (minimum	4	Water has a base allowance i	ω			METER RATES FOR WATER & SEWER SER				Marco Mar	Post Office Drawer 10	Fax: 910-525
	301 - 30,000 c.f.	1 CUBIC	1,000 gallons. Sewer is assess	1-		BUDGET ORDINANCE	CUBIC FERT		•			Autryville, North Carolina 28318	
	30,001 - 275,000 c.f.		Wa			BUDGET ORDINANCE	(APPROX. 7 % GAL. TO CU. FT)				COMOTANES 100		
ater Rates (per I	Over 275,000 c.f.		In Town Residents \$			WATER AND SEWER RATES	Inside City Limit Rates	Consumption Charge Rate Increase*					
	Water - Outside Corporate L	HWY	Out of Town Residents \$			WATER AND SEWER RATES	From: 0-150 From: 150 and up	Per CCF (Hundred Cubic Feet or 748 gallons p					
	0 - 300 Cubic Feet (minimum			1 1	Effective July 1, 2017	First 2000 gal, with up to 1" meter	Outside City Limit Rates	Single Family Residential:	METER SIZE	MINE			
	301 - 30,000 c.f.	Sugar Loaf : 29-01, 29-05, 29-0	Water Deposits - The depo-	1 1	The Town of Ansonville	First 2000 gal, with 1 1/2 meter	From: 0-150	irrigetor:				WATER RATES	
	30,001 - 275,000 c.f.	Hwy 16: 29-02, 29-03, 29-04	Residents should present a va			First 2000 gal, with 2" meter First 2000 gal, with 3" meter	From: 150 and up			<u> </u>			
	Over 275,000 c.f.		from a location within the	1 1	WATER INSIDE:	First 2000 gal, with 3" meter	Total Minimum Bill	Multi-Family Residential:	34 INCH			Effective 7-1-2016	
	Sewer - Inside Corporate Lin		jurisdiction. Once water ser account balance and any credit	1.	First 3000 Gallons	First 2000 gal, with 6" meter	 Consumption multiplier is per 100 cubic flaes Consumption fee (multiplier *()assge over 	Commercial (4 1,000 CCIF monthly):</td <td></td> <td><u> </u></td> <td></td> <td></td> <td></td>		<u> </u>			
, 	0 - 300 Cubic Feet (minimum		account ontance and any creat		Cost per thousand	Impation/Pool Meters (includes 2000 gal. minimut Each 1000 gal, above 2000 gal, minimum	Consumption fee (multiplish "()usage over	Commercial (> 1,000 CCF monthly):	1 INCH				
	Over 300 c.f.		Water Deposit	1				Commercial (4 2,000 CCF bimonthly):</td <td></td> <td></td> <td></td> <td></td> <td></td>					
00	Customers not connected to	Customer Charge			WATER OUTSIDE:	Consumers receiving service of	SEWER ONLY RATES- unmetered Inside Sewer Only - per dwelling	Commercial (> 2,000 CCF bimonthly):	1 % INCH		INSIDE TOWN:	0-1000 GALLONS MINIMUM	ann 1000
	City water system	Availability	Water Service Fees - Service		First 3000 Gallons	Rate change is effective	Outside Sewer Only - per dwelling	Manufacturer (= 1.000 CCF monthly):</td <td>175100.0</td> <td></td> <td></td> <td>RATE PER/1000 GALLONS</td> <td>\$20.36</td>	175100.0			RATE PER/1000 GALLONS	\$20.36
0	Sewer - Outside Corporate L	Volume Charges *			Cost per thousand	TOTAL MINIMUM BILL	MISCELLANEOUS FEES and other In	Manufacturer (> 1,000 CCF monthly):		-			\$7.25
	0 - 300 Cubic Feet (minimum	SUBTOTAL:	Water service cut on/transfer f		cost per unoastra	Water & Sewer			2 INCH			RATE PER/1000 GALLONS >> (20,000)	\$7.75
	301 - 275,000 c.f.		Illegal cut on fee (Tampering Fee Late Fee	1	Minimum Tap Fee		Late Fee: Tier 1 \$10 assessed to all accos Late Fee: Tier 2 \$20 assessed to all accos	Manufacturer (= 2,000 CCF bimonthly):<br Manufacturer (> 2,000 CCF bimonthly):		<u> </u>			
	Over 275,000 c.f.		Disconnect Fee	÷ .		FLAT RATE SEWER	Late Fee: Tier 2 \$20 assessed to all accos Return Check / Draft fee: \$25		3 INCH				
	Customers not connected to		Additional Disconnect Fees		SEWER INSIDE:		Deposit for Service: \$140 for locations inside	Wholesale Consumption:					
includes no.	City water system			0	First 2000 Gallons	Residential	Tamper Fee \$150 first occurrence; \$5	Capacity:	4 INCH		OT THE R MANAGEMENT		
Institutional	Note: Industrial Alternate Se				Cost per thousand	Commercial	 Payment is due on the 15th day of the mont 	All water accounts are charged a \$5.21 Base Fi		12	OUTSIDE TOWN:		
	overnmental Sewer Rates a			÷			has RECEIVED the payment. Postmark dates:	The Metropolitan Severage District will publish	6 INCH	6		0-1000 GALLONS MINIMUM	\$25.45
ŭ					SEWER OUTSIDE:	OTHER FEES	to all accounts past due on the 15th day after bil should use drop box or Credit Card for last min	Capital Improvement (CIP) Charge (Monthly	6 INCH			RATE PER/1000 GALLONS	\$9.05
			Trash Service Rates		First 2000 Gallons	Application Processing Fee (per property)	close of business on the 25 th day after billing w	Meter Size Fee Met	Note: 1 %" meters and taps	to longer in		RATE PER/1000 GALLONS >> (20,000)	\$9.68
)	WATER / SEWE	Customer Charge	Trasa Service Kates		Cost per thousand	Late Fee	remain disconnected until payment is made.	58 inch \$4.17 3 in 34 inch \$4.77 4 in	Note: Price per thousand gal	-		(101000)	69100
0	, -	Availability	Residential	· .		Cut-OffiNonpayment Fee	 Deposit for services will be applied to the prorated in any situation. 	1 inch \$57.31 6 in	to remain \$3.75/1.000 Gallar				
0		Sewer Capital Reserve Volume Charges *	Commercial		LANDFILL:	Returned Check, Draft or Other Payment Convenience Fee (credit card payments initi	 Overpayment amounts will be applied to the 	11/2 inch \$95.52 8 in 2 inch \$167.16 10 i	to remain \$3.75/1,000 Gallon	s for reman			
0	5/8" X 3/4" Water	SUBTOTAL:	Recycle	1 1	T1 (42)	Meter Calibration (waived if meter is malfunc	 Payment by Draft is highly encouraged to: 	2 inch \$107.10 10 i Note: All Bingle Family Residential customer					
	1" Water	SOUTO HAL		1	T4 (625)	Tampering Fee (Administrative Fee) Plus equipment replacement cost. May also be subje	 Adjustments, when applicable, are given a 	regardless of their meter size. If a Single Fa	Special Water Use:				
	1 - 1/2" Water	Flat Rate Sewer On	Adjustment Policy:	- t t	IN THE PROPERTY OF THE OWNER	Hydrant Water (per 1,000 gallons)	AFTER HOURS SERVICE:	CIP Fee according to their meter size as pro-	Swimming pools, contractors	using water			
rbage - \$21.0	4 - Sewer	Sewer Capital Reserve	Leak and break adjustments - calendar year. You must prov		WATER/SEWER DEPOS	Deposit for %" meter		"Effective for all bills issued on or effective for all bills issued on or effect 0/1/18	timely manner or damage occ	urs to Town			
age - \$26.50 j		TOTAL SEWER ONL	event that the resident or land		WATER ONLY DEPOSIT	Deposit for 3' meter	For after hour water leaks, sewer stoppage	Fee for Water Availability (application/letter of o	timely manner, or damage to	equipment (C 41	DAGE DUTE COMMON	
V	NATER / SEWER /		supplies and a statement from			Daily rental fee	a City of Asheboro Maintenance employee		\$3.25 per 1000 galle	an (\$3.75 m	GAI	RBAGE RATE (OUT OF TOWN)	
_		Descelle	the Town Hanging toilets are			Trash/Recycling Absent Cart Fee (per cart).	CONTACT Information:	Single Tap Single Single Tap All	Plus \$25 per hour per tec			Effective 7-1-2016	
e- Multi-Unit		Deposit	D-b			TAP FEES	Billing Department 336-626-1222	Family other Letter of Residential Classes Commitment	Plus \$400 deposit (if reat				
demands, the 1 w rates will inc	Water Lines	Service Charge Fee:	Delinquent Accounts: Meters are read and bills are calculate				Maintenance Department 336-626-123	\$50.00 \$75.00 \$300.00	Plus \$400 deposit (il requ	ured)			
wrotes will the	Sewer Lines	Service charge ree.	each month. Account balance			WATER: %" Tap	For inquiries on Sanitation Department fee					\$20.00	
Determined I		Return Check Fee:	grace period, which allows bi			Larger Sizes		Development Fee for new meter					
	Note: Lines are assessed at th		late fee. If balances are unpaid	0		SEWER:	PAYMENT MAILING ADDRESS: Ph	Size Current Fee Meter Size Cur					
	line abutting the water or sews	Tampering Fee:	(if the 20 th falls on a weekend			4" Tap Larger Sizes		56" 51 240 00 3" 5 34" 51 874 00 4" 5					
						Bort (frequired)	CITY OF ASHEBORO PO BOX 2628	1" \$3,123.00 6" \$2					

and Palatine Assessed in

	•
3. UTILITY RAT A. Water & Sev	Scl
1. Water &	
Minimu Minimu	
TOTAL	CONNECTION CHARGES:
2. Water C	WATER RESIDENTIAL % inch meter
Minimu	1 inch meter 2 inch meter
3. Water A (Where v	SEWER RESIDENTIAL Grinder pump required No grinder pump required
4. Sewer C (Where v	IRRIGATION RESIDENTIAL & NO % inch meter, with testable : 1 inch meter, with testable e % inch service discontinued
5. Sewer C (Where v	3's inch service discontinued 1" inch service discontinued WATER NONRESIDENTIAL
Water Se Monthly	Per Residential Equivalent (1 inch meter 2 inch meter
TOTAL	SEWER NONRESIDENTIAL Grinder pump required No grinder pump required
*In addition to the mini	FIRE PROTECTION SERVICE Residential 2" tap
Water Rate (\$/10 Sewer Rate (\$/10	Non-Residential 2" or > tap CAPACITY (bay-in) CHARGE
 Water Service J properties that at 	Residential Non-Residential
 Monthly Sewer average monthly 	UTILITY SERVICE:
B. You will water led	MONTHLY RESIDENTIAL WATER Base charge, zero usage
C. Pools ma to the set	RESIDENTIAL USAGE CHARGE (n Tier 1 (Usage 0 - 3,000 galls Tier 2 (Usage > 3,000 galls) MONTHLY RESIDENTIAL SEWER:
	Base charge MONTHLY NONRESIDENTIAL WA Base charge, zero usage

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Met

	• •	Water & Sewer Gapacity & Tap F	ees
Scl	BEAUFORT COUN	Notor Sizo Water Tap	
		3/4" \$70	
		1" \$\$0	0.00 \$750.00
	Tap-On Fee	1 1/2" \$1,07	
	%" Meter (Short Service %" Meter (Long Service	2" \$1,37	
	1" Meter (Long Service	3" *\$57	5.00 \$750.00
ES:	1" Meter (Long Service -	4" *\$62	5.00 \$750.00
	Meters larger than one i	6" *\$85	0.00 \$750.00
	with a minimum of	8" +\$117	5.00 \$750.00
	Deposit Nº Meter	* All taps larger than 2"	shall be installed at developer's c
	1" Meter		d developers shall pay a tap-on fe
ed	2" Meter	t All pater and comprise	ps made outside Town limits are
NO	Change of Occupancy Fee		r capacity fees outside Town limi
ible (Change of Occupancy Fee	exceed 2X rates shown	
nued	Reconnect Fee		
nucl			e. changing from a 3/4" meter to tap, water capacity, and sewer cz
	Late Fee	difference in the water	tap, water capacity, and sewer ca
ent l	Meter Test	Water & Sewer Usage Rates	
	%" Meter	Connection Size	In Town Monthly Bate
	1" Meter	3/4" base rate for water	\$10.37
red	Tampering Fee	1" have rate for water	\$17.32
	1 st Occurrence	1 1/2" base rate for water	\$34.53
	2 nd Occurrence 3 nd Occurrence	2" have rate for water	\$55.27
- tap	3 Occurrence	3" have rate for water	\$110.65
		4" have rate for water	\$172.87
	Move Meter	6" have rate for water	\$345.63
	Existing tap re-used	Variable rate for water	
_	New tap required	Variable rate for water	\$5.07 per 1000 gallons
	3" Meter (Short	3/4" base rate for sewer	\$21.17
TER	%" Meter (Long !	1" base rate for sewer	\$35.85
	Returned Check Fee	1 1/2" base rate for server	\$70.50
æ (m	Returned Lheck Fee	2" base rate for server	\$112.20
galle	· Hydrant Meter	3" base rate for server	\$225.88
pallor		4" base rate for server	\$352.90
VER:	Hydrant Meter Replacement	6" base rate for sewer	\$705.60
	(whole meter or part of a	Variable rate for sewer	\$16.80 per 1000 gallons
- WA			the test particular

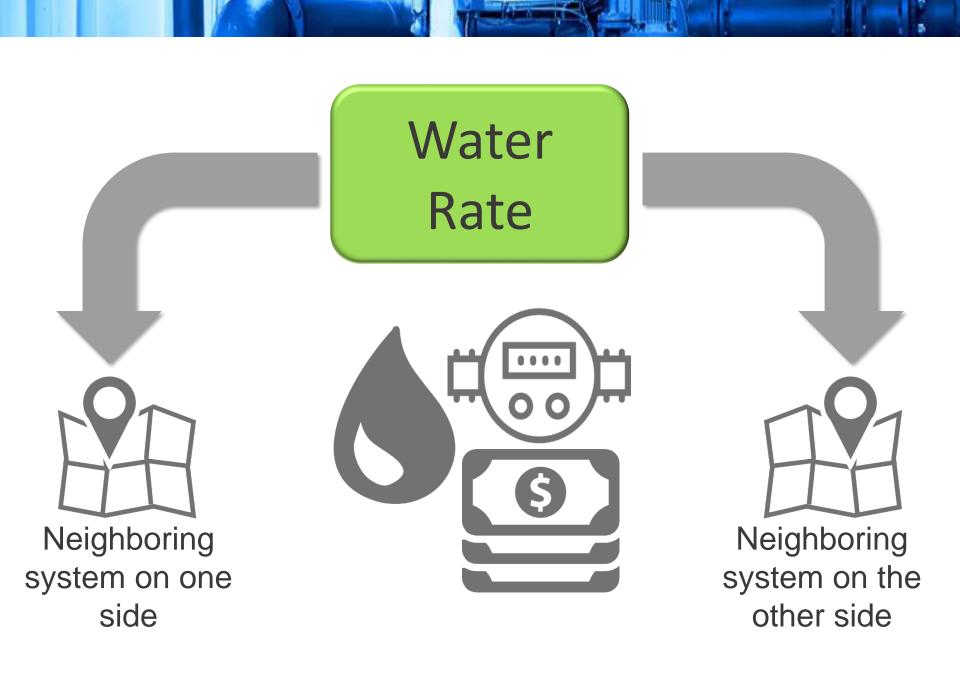
	TOW
Town	Oi
Rat	ELECTRIC RATES (All electric charges subject to applicable state sales tax of 7
	RESIDENTIAL
Residential Rate Schedule:	MINIMUM BILL 0-74 kWh ENERGY CHARGE OVER 74 kWh 3-PHASE RESIDENTIAL
Mont	SMALL COMMERCIAL
Water Base to per 1,000 3,001 to per 1,000 5,000 to per 1,000 10,000 to	SINGLE PHASE MINIMUM BILL 0-51 kWb ENERGY CHARGE 52-750 kWh/MONTH 751-1500 kWh/MONTH OVER 1500 kWh/MONTH
Water Base 10 per1,000 2,001 to per3,000 15,000 to	MULTI PHASE MINIMUM BILL 0-172 kWh ENERGY CHARGE 172-750 kWh/MONTH 751-1500 kWh/MONTH OVER 1500 kWh/MONTH
per 1,000 15,000 to per 1,000 30,000 to	DEMAND SERVICE
	THIS SCHEDULE IS APPLICABLE TO ANY NON-RESII EQUALS OR EXCEEDS 20 kW FOR ONE MONTH
Residential Rate Schedule:	DEMAND CHARGE – ALL kW ENERGY CHARGE – ALL kWh
Mont	DETERMINATION OF BILLING DEMAND:
Sewer Base to per1,000 3,001 to per1,000 5,000 to per1,000 10,000 to	ANY DEMAND ACCOUNT WITH A HISTORICAL (12) DEMAND BILLING, MAY REQUEST TO BE GIVEN CO DISCRETION MAY BE REMOVED FROM THE DEMAN
per 1,000 10,000 to	SECURITY LIGHTS - (\$50.00 INSTALLATION FEE)
O-arts	WATER AND SEWER RATES
Sewer Base to per 1,000 9,001 to per 1,000 15,000 to	WATER RATES 0-3,000 GALLONS OVER 3,000 GALLONS
per 1,000 15,000 to per 1,000 30,000 to !	SEWER RATES – BASED ON WATER CONSUMPTION FIRST 0 – 3,000 GALLONS OVER 3,000 GALLONS
Out of Town Water and Sewer R:	SEWER RATE IS 125% OF WATER CHARGE
	COMMERCIAL SEWER RATES – BASED ON WATER (FIRST 0 – 3,000 GALLONS OVER 3,000 GALLONS

		Oct 06 17 02:52p	Town of Bethel	2528180894	p.2
CITY OF BELMONT					
WATER/SEWER RATE S			TOWN OF BETHEL	UTILITIES	
WATER SEWER RATE 3		\cup			
	AMENDI	DEPOS/75			
WATER RATES			IT IS REQUIRED IN ORDER TO ESTABLISH SERVIC 1. FOR A RESISDENCE OR BUSINESS THAT IS ON		\$100.00
(Except for the Minimum Cl	BERTIE CC COUNT		FOR A TENANT IN A RENTAL PROPERTY:	NED BT THE OCCOPANY.	\$150.00
monthly usage.)	COUN	1	8. ALL CUSTOMERS ARE REQUIRED TO SHOW P	HOTO ID, LEASE AGGREEMENT IF RENTING,	
GALLONS	WHEREAS, the Rules & Regula		OR BE LISTED AS OWNER IN TAX SYSTEM.		
CALLONS	amended on June 30, 2016.		AFTER AN ACCOUNT IS DELINQUENT FOR SOL AFTER NINETY DAYS THE DEPOSIT WILL BE AF		
0-2.000	WHEREAS, monthly rates need		FFE WILL STILL BE CHARGE FACH MONTH AN		
2,001-5,000	budgeted expenses,		AS WELL AS THE BALANCE IN ORDER TO RESI	IORE SERVICE.	
5,001-10,000		WATER	FR USED BY A LOCATION IS METERED.		
10,001-20,000	NOW, THEREFORE, BE IT RE		ER USED BY A LUCATION IS METERED.	WATER THAT PASSES THROUGH	
20,001-500,000	COUNTY WATER DISTRICT		HS /HER METER.		
500,001-1,500,000 Over 1,500,000	AS ONE ENTITY.				
All Irrigation Water		SEWER	ER CHARGE IS BASED ON THE WATER METER R	54 DIN 5	
All hitgatol water	That the rate schedule is an	THESEW	DI CHARGE IS BAGED ON THE WATEN METER R	DADING.	
	*That the Institution/Pris	GARRAGE			
	B 11 11		GARBAGE IS COLLECTED ONCE PER WEEK ON I BAGE CAN IS PROVIDED FOR YOUR USE. WHEN		
CONSTRUCTION WATE	Residential Flat Rate		ACCOUNT, PLEASE CALL THE TOWN OFFICE TO I		
	Piat Rate		COST WILL BE CHARGED TO YOU.		
A company which has receit fire hydrant for construction	Commercial		PROVIDE A SECOND CAN IF NEEDED.		
hydrant and meter and an a	Flat Rate	THE GAP	BAGE FEE IS \$14.00 PER MONTH, PER CAN.		
thereof taken from hydrant.	2.10.2000	WATER/SEWER	RATES		
-	2" Meter	DESCAIP		7	
	Flat Rate		TE (1st 1000 gal.) \$34.00 \$45.5 al usage rates per gallon after base usage	10	
			5,000 gallons \$ 0.00680 \$0.000	3	
BACKFLOW DEVICE M	Municipal	5,001 to	9,000 gallons \$ 0.00680 \$0.000		
	Flat Rate	over 9,0	01.gallions \$ 0.00680 \$0.000	58	
		MINIMUM MOR	THE V CHARGES		
Applied to all services for	To develop 1		inum monthly fee charged shall consist of:		
which backflow prevention	Industrial Flat Rate				
devices are required under th Cross-Connection Control	Plat Pane		Garbage Fee \$14.00 Base Water Fee \$34.00		
Ordinance			Base Sewer Fee \$45.90		
Ciulinie	Institution/Prison		Total \$93.90		
	Flat Rate	PENALTY FEES		TAP FUS	
		CANALA PRES		170.000	
			TMENT FEE \$25.00	WATER 1" pipe \$550.0	
			nent not received	SEWER \$500.0 Taps larger than 1" would be 20% more	9
EFFECTIVE DATE: July 1.			ED CHECK FEE \$25.00	and must show a need for such	1
EFFECTIVE DATE, July 1,			TURN-ON FEE \$50.00		_

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Are our rates right?



Better translation:

Do rates cover the full cost of the system today and into the future?

Do rates help meet system objectives?

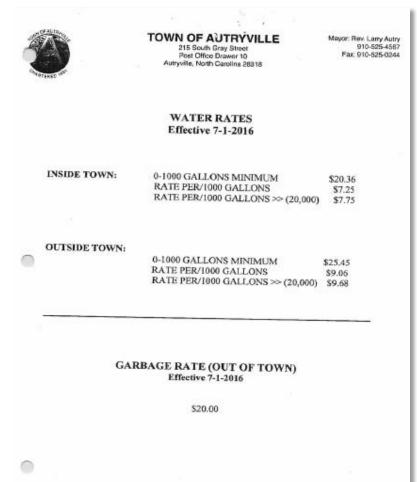


Are our rates right?



Better translation:

And if we must compare rates, let's compare rates to similar systems, not to neighbors

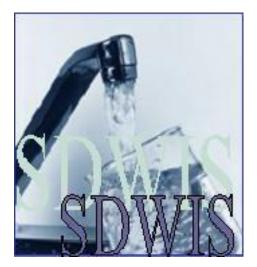


The rate sheet is just one piece of data for systems. There are others that we use to help systems make better financial decisions

PROPRIETARY FUND FOR THE YEAR ENDED JUNE 30, 2011		
FOR THE TEAR ENDED JOINE 30, 2011		ater and Sewe
		terprise Fund
Operating Revenue	<u></u>	terprise runu
Charges for Service	\$	695,787
Connection Fees	*	10,134
Miscellaneous Income		4,051
Total Operating Revenue		709,972
Operating expenses		
Personal services		
Compensation		163,339
Employment Taxes		11,220
Benefits		34,599
Total Personal Services		209,158
Other Operating expenses		
Purchased Water		8,922
Supplies		32,076
Repairs and Maintenance		63,788
Utilities		118,895
Miscellaneous		11,788
Depreciation		212,251
Insurance		10,369
Engineering, Lab Fees and Training	_	4,086
Total other operating expenses	_	462,175
Total Operating Expenses	_	671,333
Operating Income (loss)		38,639
Nonoperating revenues (expenses)		
Interest Income		3,196
Interest Expense		(40,571)
Total NonOperating Revenues (Expenses)		(37,375)
Transfer In		716,475
Transfer Out		(1,000)
Change in Fund Net Assets		716,739
Fund Net Assets- Beginning		3,916,340

Financial statements and budgets can help us understand the financial position of the water system





SDWIS for characteristics of the water system



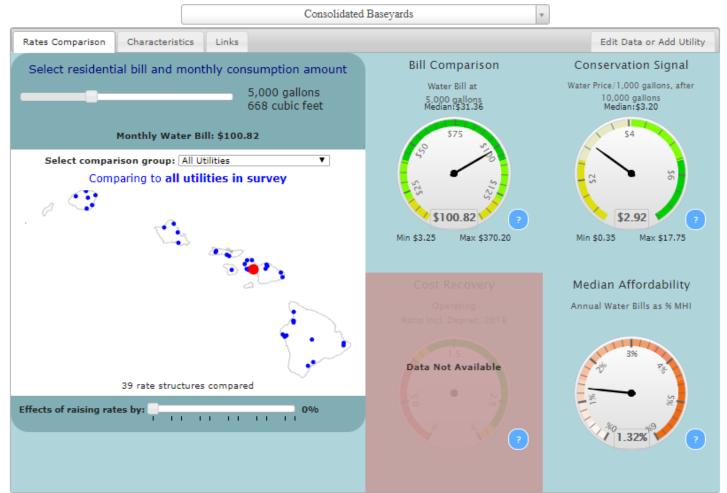
Census for information on the community served



SCHOOL OF GOVERNMENT Environmental Finance Center

HI Water Rates Dashboard Rates as of July 1, 2016 Dashboard updated: August 15, 2017





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https://efc.sog.unc.edu/resource/hawaii-water-rates-dashboard

Hawai'i Rates Dashboard

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