

Technical Customer Advisory Committee

Dave Hill

AGENDA

Members

Melissa Armijo

Andrew Bernard Laura McCarthy
Janie Chermak Ege Richardson
Amy Ewing Scott Verhines

Mike Hightower

Thursday, June 1, 2017		4:00 PM	ABCGC – 7th Floor Conference Room 7096
1.	Call to Order		4:00-4:05
2.	Approval of Agenda		4:00-4:05
3.	Approval of April 6, 2017 Action Summary		4:00-4:05
4.	Compliance Division Presentation		4:05-4:55
5.	Irrigation Budgets / Water Conservation P	lan Update	4:55-5:55
6.	Public Comment		5:55-6:00
7.	Adjournment		6:00

NOTICE TO PERSONS WITH DISABILITIES: If you have a disability and require special assistance to participate in this meeting, please contact the Water Utility Authority Office, Suite 5012, Albuquerque/Bernalillo County Government Center, phone 289-3100, as soon as possible prior to the meeting date.



Technical Customer Advisory Committee

ACTION SUMMARY

April 6, 2017

<u>Members Present:</u>

Janie Chermak Amy Ewing Elaine Hebard Mike Hightower

Dave Hill

Laura McCarthy

Members Excused:

Andrew Bernard Scott Verhines Ege Richardson

Water Authority Staff Present:

Frank Roth, Senior Policy Manager
Stan Allred, Chief Financial Officer
H. Warren, Customer Services Manager
Armida Magallanes, Customer Services Division
Celeste Rael, Customer Services Division
Juaquin Zamora, Customer Services Division
Carlos Bustos, Water Conservation Manager

Others Present:

Arnel Santos, CDM Smith

Item 1 - Call to Order - Note presence of quorum

The meeting was called to order at 4:02 pm by Chair Dave Hill.

Item 2 - Approval of Agenda

Elaine Hebard requested that agenda item 7 be moved after agenda item 4. Laura McCarthy made a motion to approve the agenda. Elaine Hebard seconded the motion. The motion passed on a 4-0 vote.

For: 4 Bernard, Ewing, Hebard, Hill

Against: 0

Excused: 5 Chermak, Hightower, McCarthy, Richardson, Verhines

Janie Chermak entered the meeting after Agenda Item #2.

Item 3 – Approval of March 2, 2017 Action Summary

Janie Chermak made a motion to approve the action summary as amended. Elaine Hebard seconded the motion. The motion passed on a 4-0 vote.

For: 4 Chermak, Ewing, Hebard, Hill

Against: 0

Abstain 1 McCarthy

Excused: 4 Bernard, Hightower, Richardson, Verhines

Mike Hightower entered the meeting during Agenda Item #4.

Item 4 – Review FY18 Proposed Operating/Capital Budgets

Stan Allred provided an overview of the Water Authority's proposed operating and capital budgets for Fiscal Year 2018. He reviewed the budget highlights and assumptions, and the projected expenditures and revenues. He also discussed the capital improvement appropriations and the planned spending for the next ten years.

Item 7 – Final Comments and Questions

Elaine Hebard provided comments to the committee.

Item 5 - Presentation of Customer Service Department Initiatives

H. Warren and his staff provided an overview of the Customer Care Portal and the Clevest mobile technology. Armida Magallanes, Celeste Rael, and Juaquin Zamora provided demonstrations of the new technology. It was noted that there is more flexibility for customers to donate money to the Living River Fund. In addition, property managers can now manage multiple accounts under one login. Committee members suggested that the Water Authority provide more outreach to inform customers and the media of the new initiatives.

Item 6 - Public Comment

None.

Item 8 – Adjournment

The meeting concluded at 5:55 pm.

ABCWUA Compliance Division

Mark Kelly, P.E. Compliance Division Manager



Programs

- NPDES
- Water Quality
- Water Quality Laboratory



NPDES Program

- National Pollutant Discharge Elimination System (NPDES) Permit
 - Plant Discharge Effluent and Sludge
 - Sanitary Sewer Overflows

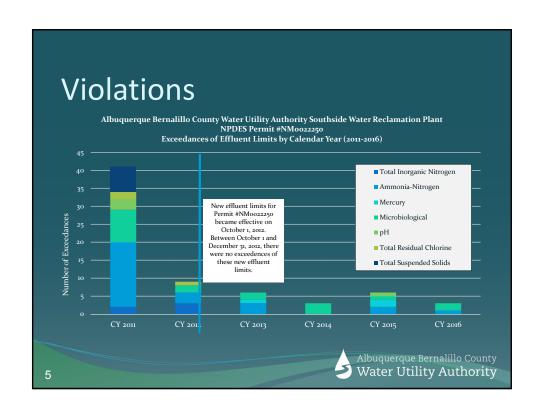


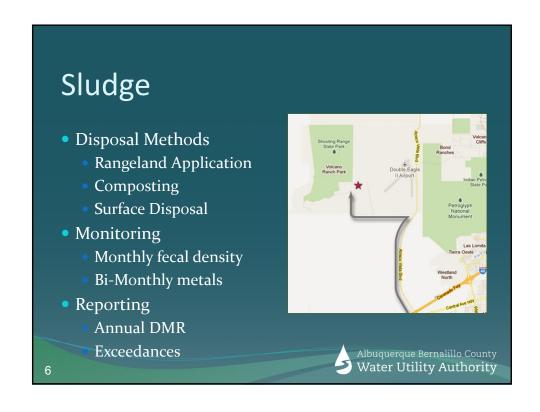
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SWRP Effluent

- Monitoring
 - Daily 24 hr composite sample (Ammonia, TSS, TIN, etc.)
 - Daily Grab sample (pH, DO, E. Coli, Cl-)
 - Weekly Mercury
 - Monthly metals (Cd,
 - Quarterly WET
 - Semi-annual Organics
- Reporting
 - Monthly DMR
 - Exceedances

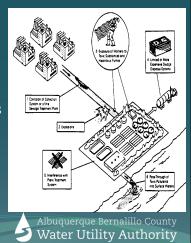




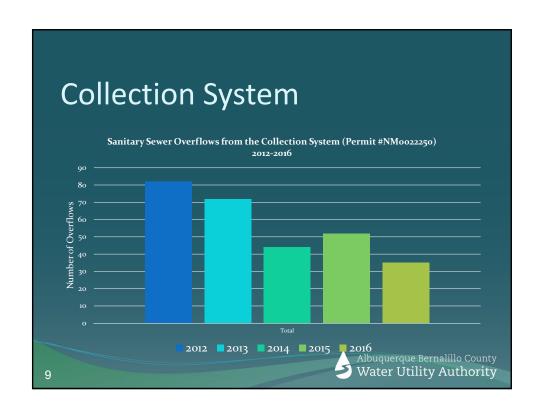


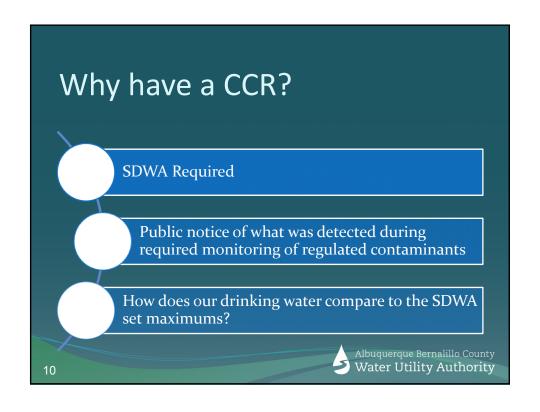
Pretreatment

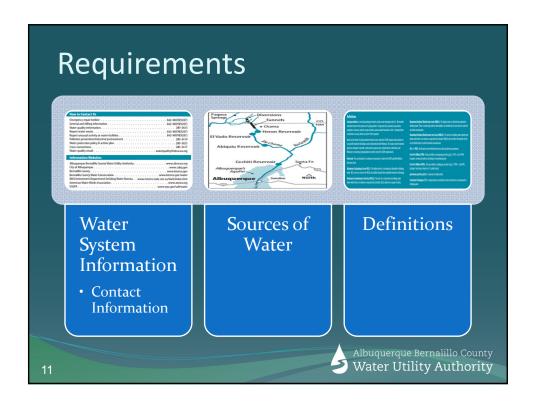
- Sewer Use and Wastewater Control Ordinance
- Industrial Permittees
 - 70 Industries
- Fats, Oils, and Grease
 - 2100 Food Service Establishments
- Dental
 - 230 Dental Offices

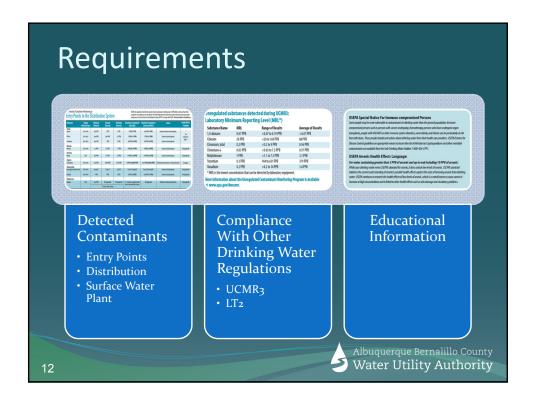


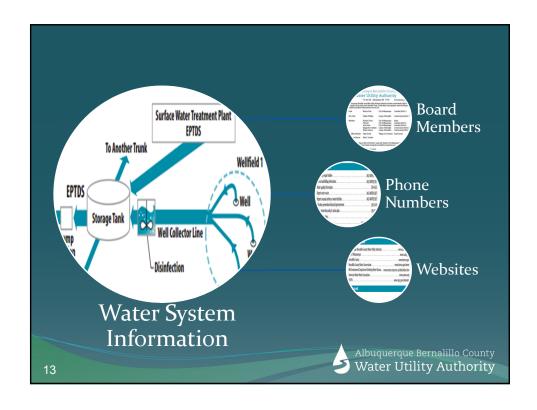


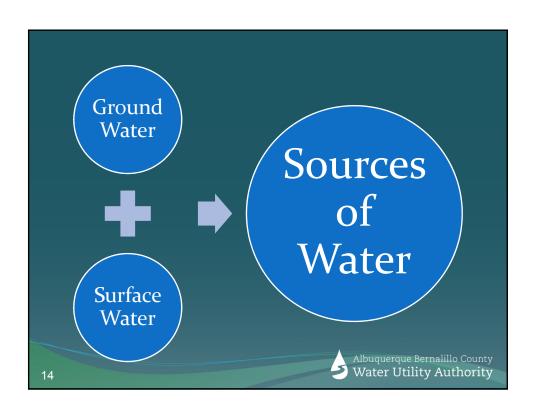


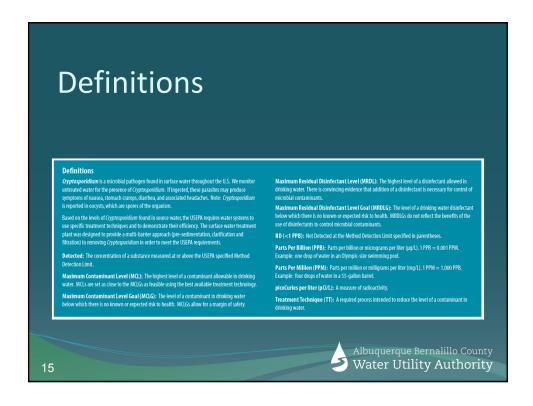


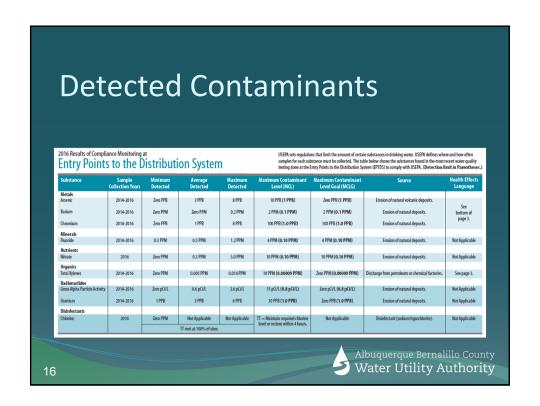


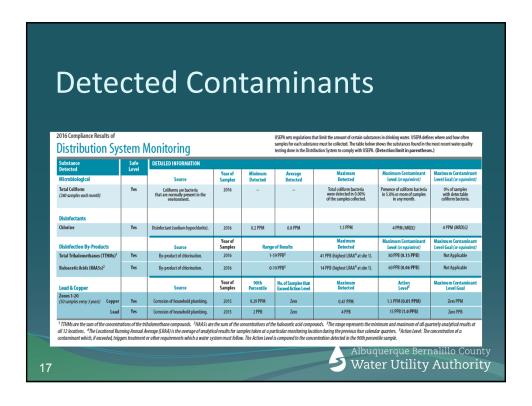


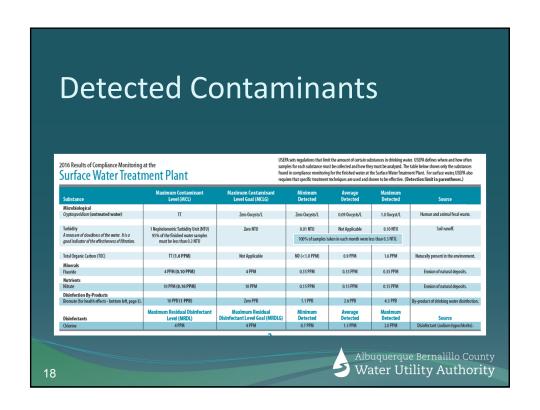


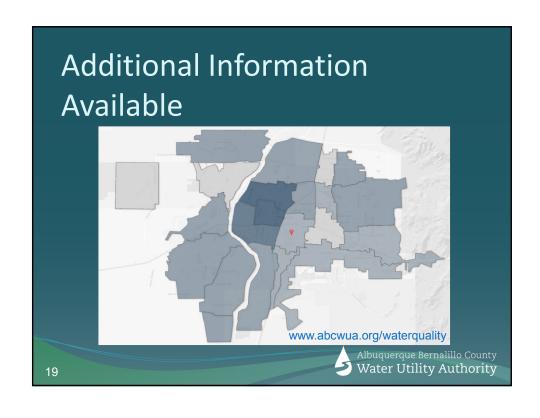


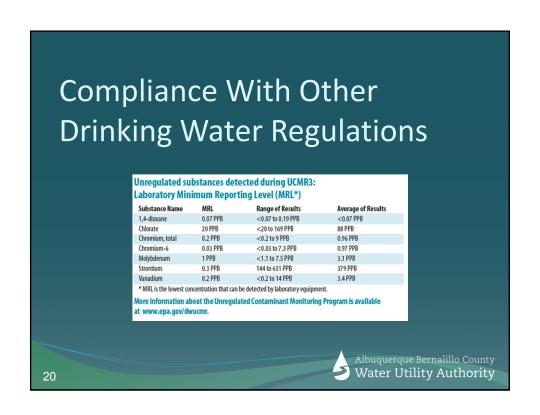


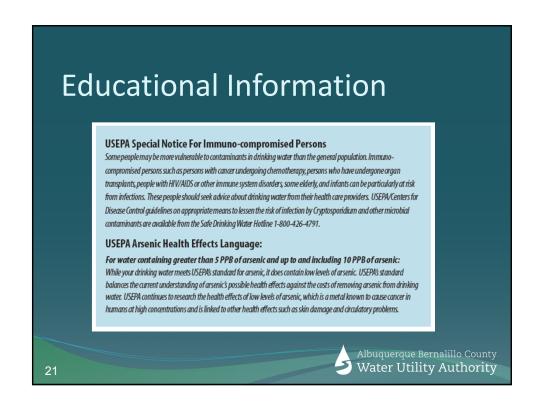




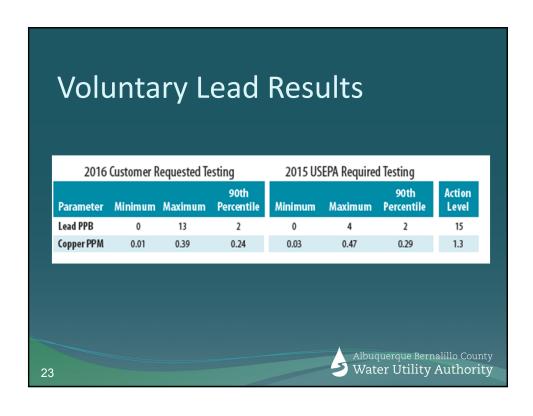






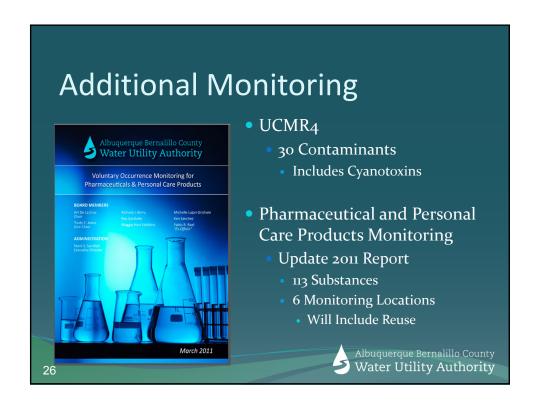


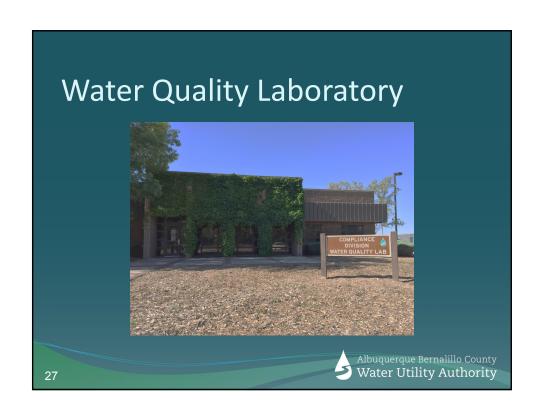


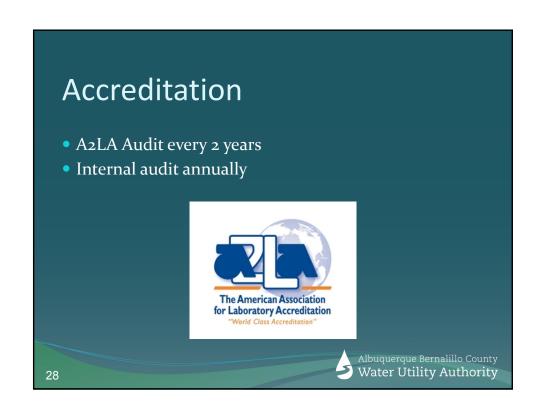


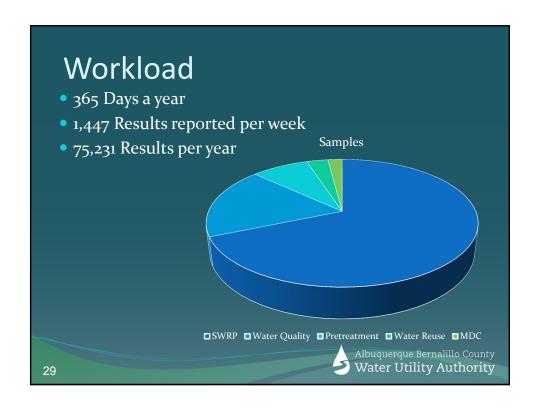


opco.	Special Sampling						
	Substance	Timeframe	Sampling Frequency				
UCMR ₃	Unregulated Contaminants	March	Every 5 years				
	• VOCs, SOCs						
	• Cr(VI), total Cr						
	Hormones						
LT2	Cryptosporidium	April	Monthly for 24				
	Turbidity		months				
	E.Coli						
Burton and Ridgecrest Wells	VOCs, SOCs, EDB	Since 2010	Monthly				











WATER CONSERVATION

- Irrigation Budgets
- Water Conservation Plan Update

Carlos A. Bustos
Water Conservation Program Manager
TCAC presentation June 1st, 2017

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BACKGROUND

Irrigation Budgets

- In the early 2000's the seasonal "conservation charge" was instituted to discourage excessive summer irrigation use.
- "Conservation Charges" occur when seasonal use is at least double the winter average.
- This doesn't make sense for irrigation accounts since they use little water in the winter. In fact, many systems are turned off.

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CURRENT LANDSCAPE ORDINANCE

- Ordinance allows **35**" (22 gals per sq ft) of water per year for each irrigated square foot of landscaped area.
- Athletic fields get **45"** (28 gals per sq ft) and golf courses 40"(26 gals per sq ft)
- An "irrigation budget" is established for each site with an irrigation meter
- Surcharges are assessed once per year by comparing the entire previous year's usage to the total irrigation budget

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HOW IRRIGATION BUDGETS ARE ESTABLISHED

Metric	2004	<u>2016</u>
# of Irrigation Accts	1362	2524
Approx. # of Sites	912	1412

- For each site with an irrigation meter, our contractor, Smart Use, LLC measures irrigated square footage according to the type of plants – athletic turf, other turf, trees, or xeriscape, golf course.
- Measurements are done using high resolution aerial photography and mapping software. An on-site visit is also done.





SITES WITH MULTIPLE IRRIGATION METERS

A site can have many irrigation meters, for example, the common areas of an HOA like Tanoan Communities East (41 accts).

All meters at a "site" are **combined** and all square footage at the site is combined into **one irrigation budget**. It would be impractical to determine exactly how much irrigation is served by each meter.

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EXAMPLE OF HOW IT WORKS MONTGOMERY PARK

SF of turf and trees: 656,014
Annual Irrigation Budget 19,503 units

Irrigation Meters: 3

Accounts and 2016 Usage:

185457956011,362 units5874579560848 units98745795606,339 unitsTotal Usage for 201618,549 units

Surcharge for 2016 = \$0



CALCULATION OF SURCHARGES

Annual Water Use	Surcharge	Cost of Surcharge
Up to 100% of Budget	None	
Up to 150%	50% of commodity rate for each unit over the budget	\$1.04/unit from 100-150% of budget
150% -200%	100% of commodity rate for units over 150% of budget	\$2.08/unit from 150-200% of budget
Over 200%	150% of commodity rate for units over 200% of budget	\$3.12/unit over 200% of budget

Landscape Irrigated area: 2,579 sq ft

Budget: 75 units for the yr

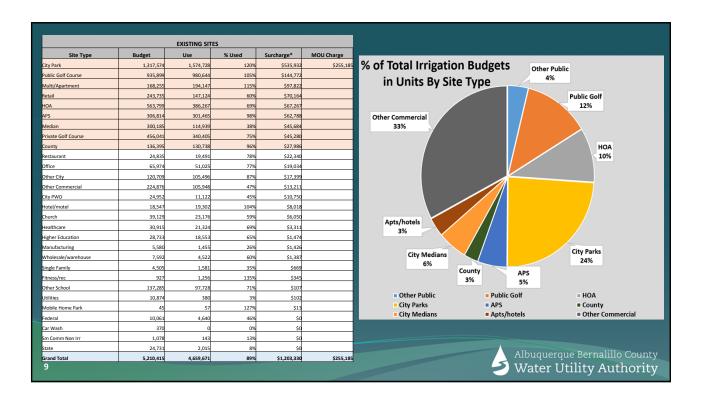
Units used: 276

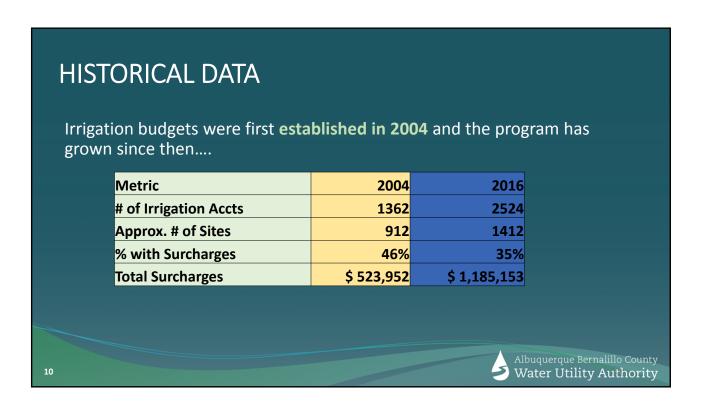
2016 Surcharges: 201 units

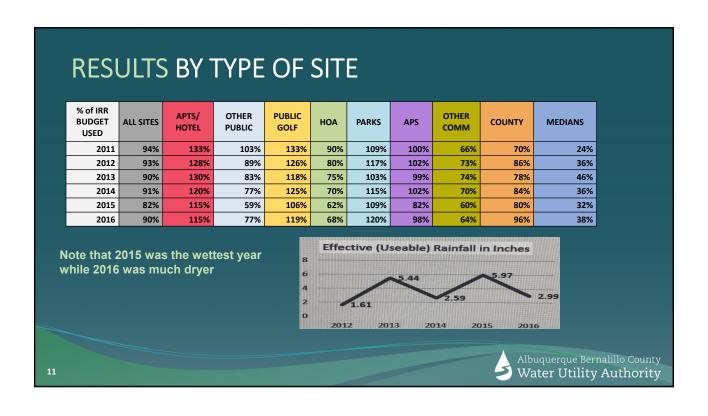
Tier 1 (Up to 150%) 37.5 units * \$1.04 = \$37.84 Tier 2 (150 – 200%) 37.5 units * \$2.08 = \$78 Tier 3 (Up to 200%) 126 units * \$3.12 = \$393.12

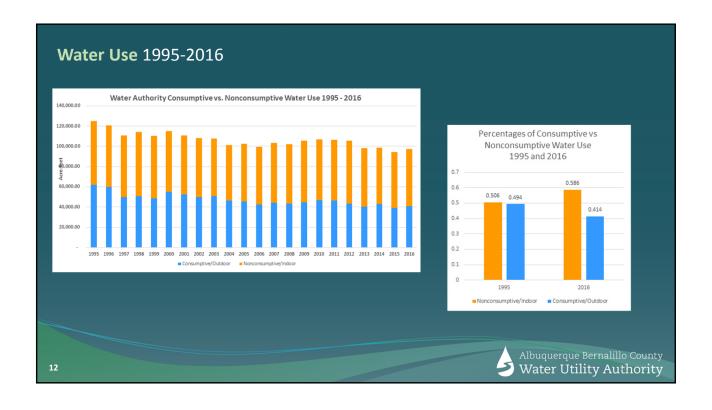
TOTAL SURCHARGE: \$508.96 plus tax

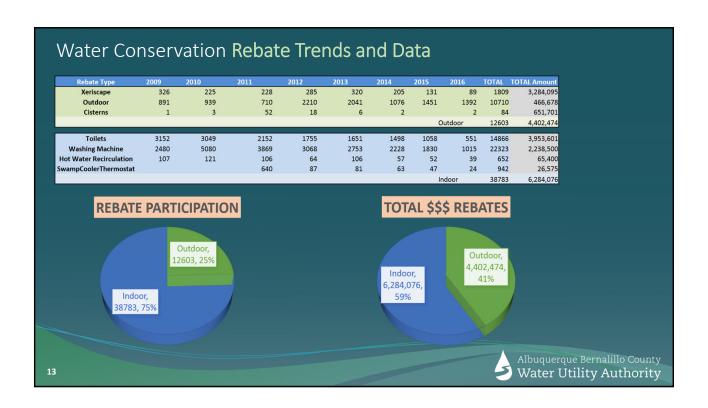
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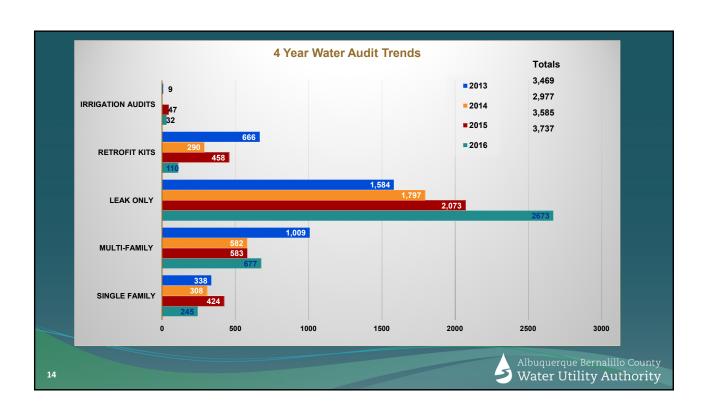












Current Programs How are we going to use existing programs?

Water Waste Ordinance & Program

- Amend the ordinance to incorporate 'warning system" language and less enforcement and more education Audits
- A make over of leak and indoor audits current practices to emphasize irrigation audits

WaterSmart Workshops

- Build customer proficiency on outdoor topics
- · Events at Lowes, Home Depot & Garden Centers

Indoor rebates

- Toilet, Washing Machine Rebates, Hot Water Recirculation System, Urinals & Showerhead determine how and when to phase these
 out in order to use funds to expand outdoor efficiency efforts
- Evaporative cooler thermostat no change

Outdoor rehates

- Multi-setting sprinkler controller highlight proven ET Weather Based Controllers by partnering up with Irrigation Supply Stores
- Sod rental equipment & compost-updated the xeriscape form to include this rebates in the application
- Rain sensors emphasize the need of rain sensors with ET Weather Based Controllers
- PRV & BPV no change
- Rainwater Harvesting no change
- High efficiency rotating sprinkler nozzle emphasize this rebate via marketing at irrigation supply stores (marketing material)
- Treebate emphasize this rebate via marketing efforts at garden centers (marketing material)
- Xeriscape emphasize this rebate via marketing efforts to irrigation only account customers (HOAs, Public Agency & Multifamily)

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Water Conservation Plan 2037

Proposed new program ideas for conversation...

1) Emphasizing Outdoor Education and Rebates

- Monthly Garden Newsletter
- WaterSmart Workshops and Events four segments: Tree Series, Low Water Use Landscapes, Irrigation Systems, and Family/Community Gardening
- Gardens to Go -plant yourself xeric native perennial garden kits
- Soil Wise Landscapes rebates for humectants, compounds and organic wood mulch
- Rain Garden Program identify irrigation zones that could be disabled to create rain gardens
- New outdoor rebate real-time sensors



- 2) **Irrigation Education** xeriscape rebate participants, high water users and irrigation only accounts
- 3) **Public Agency Program** water management tool, irrigation training, surcharges agreements
- 4) **Industry partnership** "Los Expertos de Riego" Academy, garden center and irrigation supply stores marketing
- 5) **Cooling Tower Rebates** equipment or reuse
- 6) More Trees in our City 1000+ trees next 10 years, Treebate emphasis
- 7) Water Waste Ordinance amend ordinance "Warning System"
- 8) Water Loss Program AMI continuous usage customer notification

