AGENDA CITIZENS UTILITY ADVISORY BOARD

Wednesday, September 3, 2014 6:00pm

JOHNSON CREEK FACILITY CONFERENCE ROOM 6101 SE JOHNSON CREEK BLVD.

I. **CONSENT AGENDA CUAB Board** Approve Minutes from June 4, 2014 meeting II. **REPORT** ESCO presentation – Water meter replacement Consultant III. DISCUSSION Α. Water rate structure ALL IV. MATTERS FROM THE BOARD **CUAB Members** ٧. FUTURE MEETING DATE/AGENDA ITEMS ALL Next regular meeting: October 1, 2014 VI. **ADJOURN**

CUAB MEETING MINUTES Wednesday, June 4, 2014 Johnson Creek Facility Conference Room 6101 SE Johnson Creek Blvd.

Members Present

Vincent Alvarez, Chair Kevin Hasey, Vice-Chair Michael Osborne

Members Absent

Greg Deane

Guests Present

Joel Bergman (interested in joining)

Staff Present

Gary Parkin, Public Works Director

I. CALL TO ORDER

The meeting began at 6:35 p.m.

Public Comment: Joel introduced himself.

II. CONSENT AGENDA

The May 7, 2014, meeting minutes were approved.

III. REPORT

A. Water rate structure

The Board is in agreement that generally the current rate structure is not a problem. Education on water use (bill stuffers) is important and looking to tweak the structure by transferring additional fixed costs to the variable portion of the rate is okay. Next steps: look at original rate study, continue analysis with better estimates of usage.

IV. DISCUSSION

A. Field trip plans were discussed.

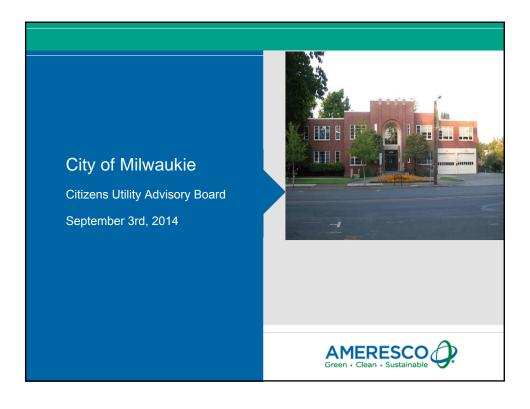
The CUAB wanted to look at a treatment plant near the City. Gary will check out the Gresham Wastewater plant or Clackamas River Water Plant.

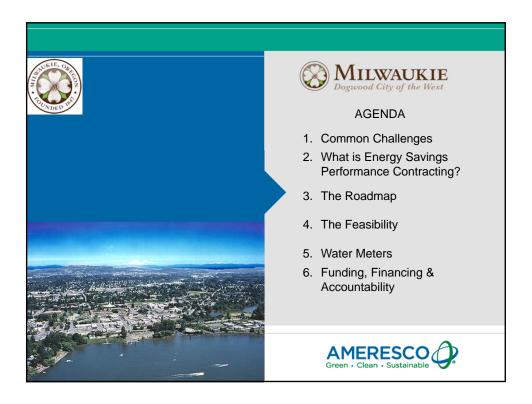
V. MATTERS FROM THE BOARD

A. None

CUAB Minutes	- June 4	, 2014
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VI.	FUTURE MEETING DATE/AGENDA	ITEMS
	Next meeting: July 2, 2014. Plan the f for the City.	ield trip, review water rate structure implications
VII.	ADJOURN	
	The meeting ended at 8:08 p.m.	
Vince	e Alvarez, Chair	Gary Parkin, Scribe





What we do

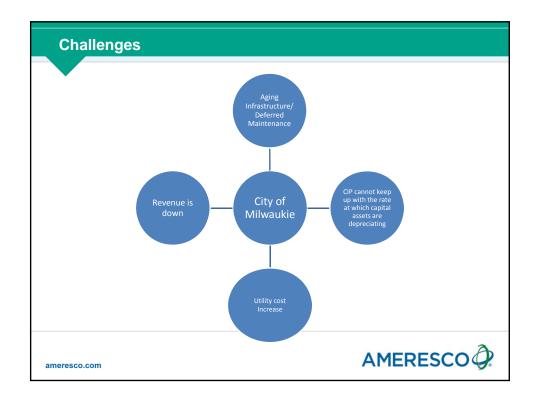
Help our clients reduce their operating costs while improving their infrastructure in a budget neutral or cash flow positive manner.



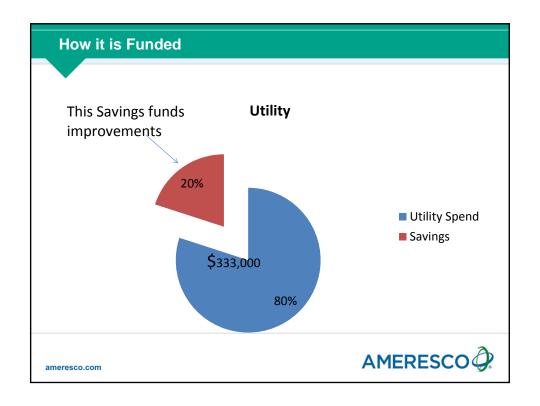
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Make facility & infrastructure improvements Reduce energy use and associated expenses Your savings and recovered water loss finance your improvements ESCO guarantees savings, performance of equipment and cost of improvements Generate Generate Generate Success Guarantee Success Guarantee Success Guarantee Finance AMERESCO Green - Clean - Sustainable AMERESCO Green - Clean - Sustainable

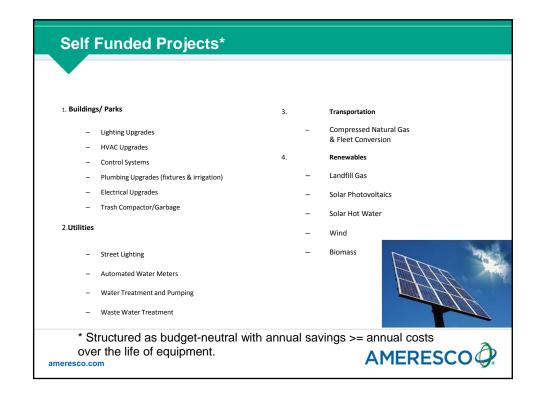


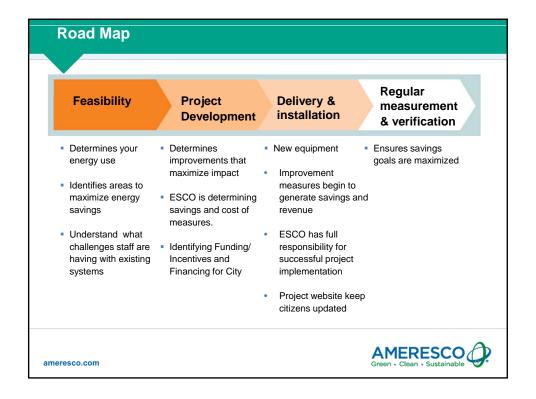
What is Energy Savings Performance Contracting

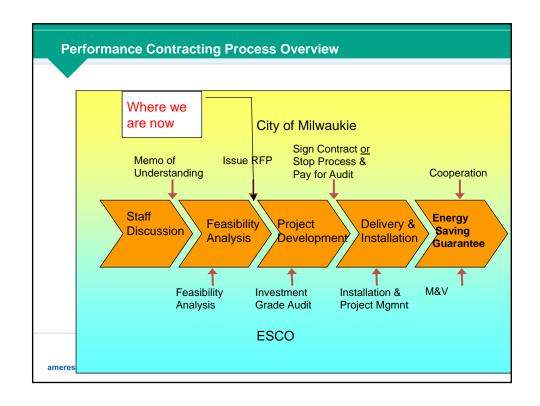
- A partnership built on mutually agreed upon goals
- · A Financing Vehicle
- Form of Procurement Design Build/Collaborative
- Risk Mitigation
- ESCO will Guarantee
 - Performance of Equipment
 - Guarantee the Savings
 - Guarantee the Cost of Measures

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Feasibility is a high level look to determine if ESPC would work



Public Safety Building

Public Works

Library

Water Meters

City Hall

40th & Harvey Building

17 Pumps for water and sewer





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Facilities

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- Relocate HVAC Air Intake at JCB
- Replace Main AHU at Library
- Re-roof 40th and Harvey Office Bld
- Replace lighting in Fleet Shop at JCB
- Interior Lighting Upgrades at Library & Occupancy Sensors
- Replace Windows at the Library
- Install Emergency Generator at City Hall
- Replace HVAC system at City Hall





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Water Division

- Motor replacement & Controls for Pumps at Well Sites (33 Pumps in City)
- VFD at Well Sites
- Soft Starts
- 1. 7 Operating Wells
- 2. 2 Booster Pump Stations
- 3. 4 Motors and Pumps
- 9 Buildings for Water Department
- Water Meters



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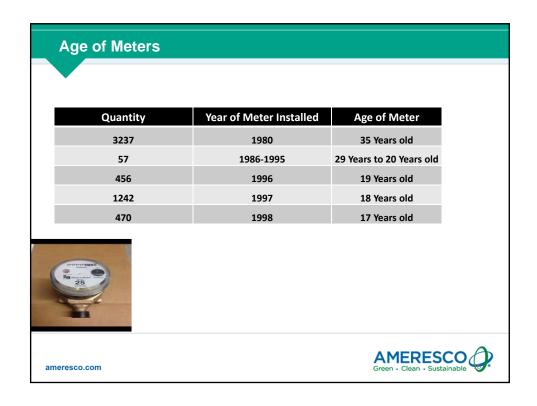
Water Meters

- · Average life of meter is 20 years
- Eliminate contract labor costs for meter re-reads, inaccurate billings (440 service tickets) which has an impact on Operating Budget (\$65,000)
- Improve the accuracy of the City's meter infrastructure, ensuring that customers are billed for the water they consume.
- Capture water and sewer revenues currently lost due to unregistered water consumption.
- Eliminate contract labor costs for meter reading (\$50,000), and greatly reduce (if not eliminate) manual re-reads, inaccurate billings and other issues associated with the current meter reading system, and
- Dramatically reduce the need for ongoing meter replacement for the next ten years.

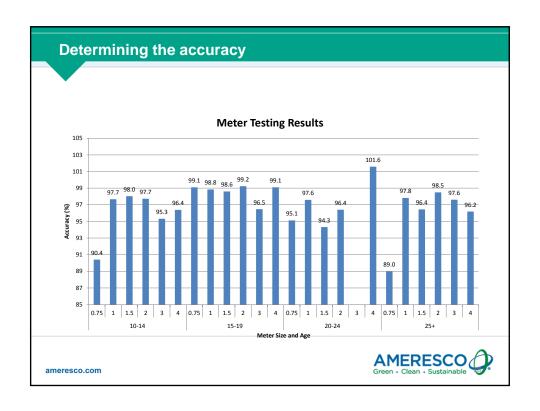
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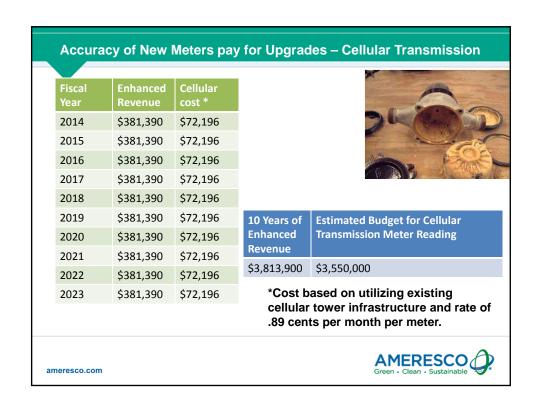
6991 Meters in the City of Milwaukie		
	Meter Size	Amount
5/8"		5,682
3/4"		480
1"		282
1 ½"		130
2"		167
3"		16
4"		7
Unknown		227



Age	Amount to be Tested	24
2010-2014	None	
2009-2005	16	
2004-2000	16	
1999-1995	72	
1994-1990	2	
1989- Prior	101	
Total # of Meters to Be Tested	207	



Accuracy of New Meters pay for Upgrades – Radio Transmission 2014 \$381,390 \$50,000 2015 \$381,390 \$50,000 2016 \$381,390 \$50,000 2017 \$381,390 \$50,000 2018 \$381,390 \$50,000 10 Years of **Estimated Budget for Radio** 2019 \$381,390 \$50,000 **Enhanced Transmission Meter Reading** Revenue 2020 \$381,390 \$50,000 \$3,813,900 \$3,800,000 2021 \$381,390 \$50,000 2022 \$381,390 \$50,000 **Based on Meter accuracy improvement** 2023 \$381,390 \$50,000 of 4% **AMERESCO** ameresco.com



Budget to upgrade to Radio transmission

Install Data Collectors throughout city for meters to transmit information

Francisco Control Cont

CONS

- Additional infrastructure cost (\$250,000)
- Additional annual maintenance cost for data collectors (\$6000)

PROS

• Eliminate cellular cost (\$72,196 annually)





Budget to upgrade to cellular transmission

Utilize existing cell tower infrastructure throughout city for meters to transmit information

CONS

\$72,196 annual cost for transmission or increase of \$21,796 (eliminate annual meter reading cost)

PROS

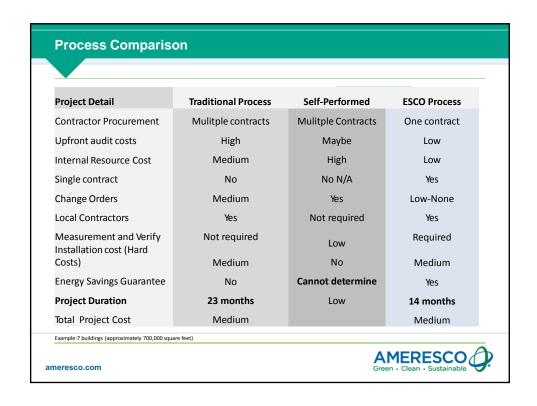
- · No need to install data collectors throughout city
- In the event of a natural disaster or heavy storm, cellular is usually the first communication to come back on line

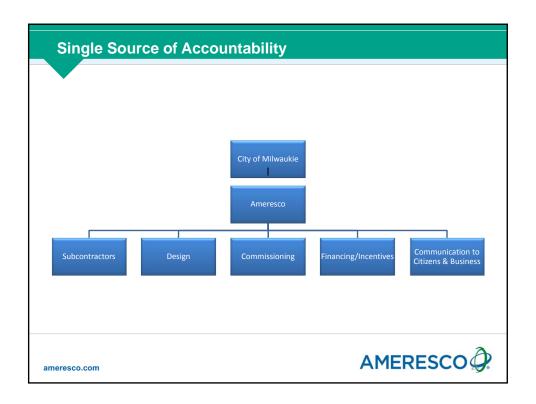


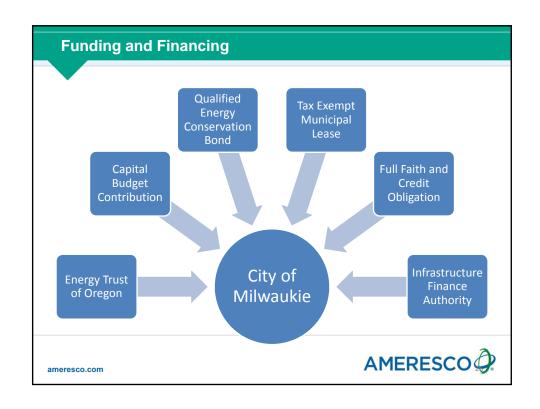


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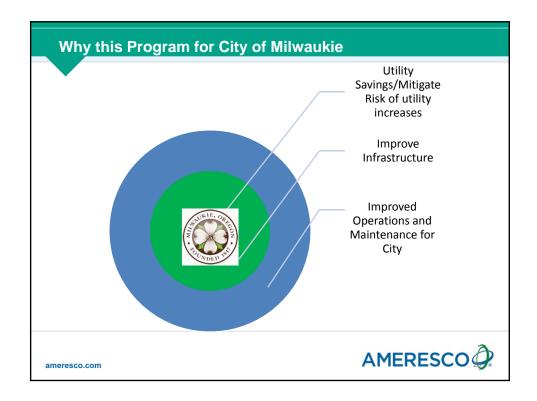


Selecting an ESCO

- Oregon Department of Energy (ODOE)
- 6 Pre Approved ESCO's
- RFP/RFQ Already Developed by ODOE
- Select and ESCO either based on the written response or after interviewing them







City of Milwaukie

Sustainability Plan

- 1. Reduce energy consumption of electricity and gas consumption by 5% from 2006 levels
- Reduce Greenhouse gas emissions to 10% below 2007 levels in keeping with US Mayors 'Climate Protection Agreement.

2014 City Council Goals

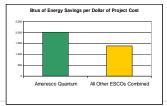
- 1. Determine other revenue streams (Ongoing)
- 2. Funding to prevent loss of services (Ongoing)
- 3. Capital infrastructure of public buildings and ongoing maintenance (Aspirational)

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Ameresco

- Only Independent ESCO on Pre- Approved List
- Ability to Provide True Open Book Pricing
- Our Total System Evaluation helps identify higher than average savings = Utility Rebates/ Incentives



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Experience in the Northwest

City of Redmond

Multnomah County

Reed College 3 Phases of Work

Portland Public Schools 6 Phases of Work

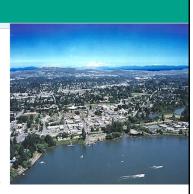
City of Longview

City of Renton

City of Olympia

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Commitment

"The City of Gallipolis had diverse and complicated needs.

Ameresco stayed with us and demonstrated significant commitment to our community. Ameresco showed considerable competence financially allowing us to accomplish more projects, meet our goals and implement a project that was affordable for our community. Ameresco was willing to attend public meetings and help us educate the community and demonstrate the value of the projects being proposed. We were pleased to work with them on this project."

C. Joseph Woodall
 City Manager, City of Gallipolis

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REFERENCES AVAILABLE

An energy savings performance contract is an agreement between an energy services company (ESCO) and a building owner. Oregon defines it as a public contract between a state agency and a qualified energy service company for the identification, evaluation, recommendation, design and construction of energy conservation measures, including a design-build contract, that guarantee energy savings or performance. (ORS 279A.010)

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