City of Branson Sustainability:

2015 Summary

SEVEN YEARS:

"Seeing Through a Lens of Sustainability"

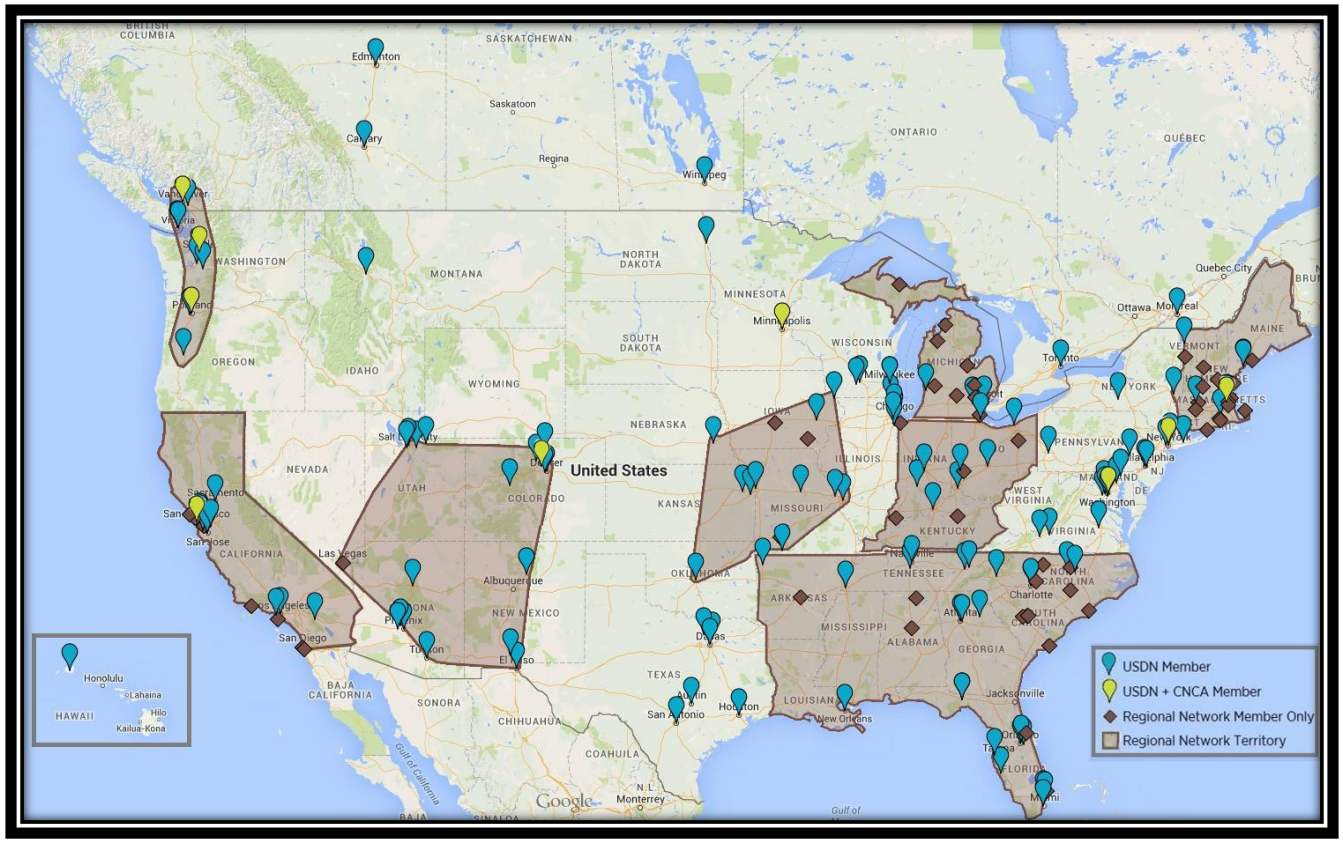
On Behalf of Branson Sustainability Council

Mona Menezes
Environmental Specialist

March 2016

Urban Sustainability Directors Network

- Bigger than Just Us
- 141 Members Nationwide



2014 + 15

$ustainability **$avings** Make $ense:

Energy Service Contract (2012)	$	116.086.00
Convention Center Energy Savings	$	113,049.00
Paperless Board Meetings/Clerks Office	$	10,556.00
Courts Eliminate Returned Mailings	$	2,080.00
Recycle Center Oil Recycling	$	1,034.00
Police Eco-Boost/Fuel Savings	$	5,477.00
Organic produce grown at Fire Department	$	800.00
Change out downtown street lights	$	3,443.00
Battery Recycling	$	920.00
Computer Servers	$	400.00
Computer HVAC	$	19,800.00
Utilities/WTP Lights & Heat Pump	$	9,000.00
Fire Station Clean and Green Changes	**$**	**1,000.00**
Energy Eff. HVAC at WWTP	**$**	**2,955.00**
Finance Paperless Billing	**$**	**10,000.00**
WWTP Polymer	**$**	**40,000,00**
Non-potable water line	**$**	**30,000.00**
Finance Paperless Billing	**$**	**3,449.00**

Total 2014 + 2015 Savings **$ 370,049.00**

PAPERLESS:

Parks	17,790
Police	100,000 (20 cases)
Clerks	336,528
HR	10,500+

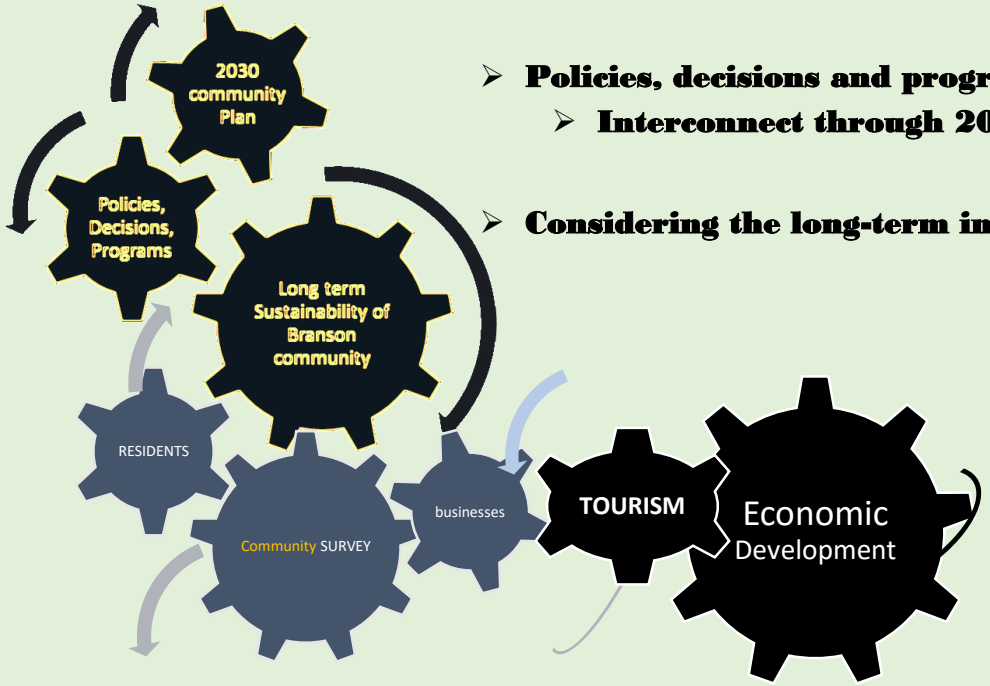
TOTAL 2015: 454,218

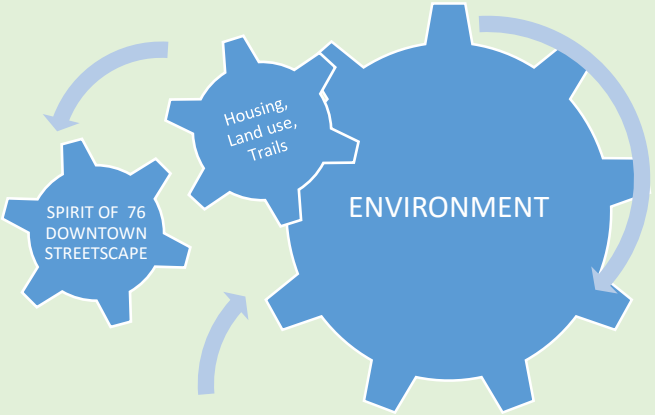
ADMINISTRATION
Bill Malinen Vicki McFarland Jennifer Langford

Lead by Example

Mayor, Board of Alderman City Administration

- **Meet existing needs without compromising needs of future generations.**
- **Policies, decisions and program**
  - **Interconnect through 2030 Community Plans**
- **Considering the long-term impacts of our choices to ensure a viable legacy.**





Triple Bottom Line: People + Planet + Prosperity

And…We Won!

BRANSON: "Glass Recycling Program of the Year"

62% Increase over 2014

Ripple Glass/Boulevard Brewing

- 4 State Competition
- "Perfect Scores" from All Judges

- Citizens & Visitors brought 644 Tons
  - 25.76 semi-truck loads

- Identifies us to visitors:
  - Sustainable Destination

- $10,000.00 Prize of Fiberglass Insulation
  - Award coming in April

- Many partners

Continuing our commitment to sustainability…

…in PRINTING

- One centralized printer
  - Serves 3 Departments
  - Reduced maintenance and supply costs
- Printing & copying defaulted to black & white to reduce color toner.
- Documents scanned in B&W
  - Low resolution creates smaller files, reduces space on server
- City logo letterhead generated using a template file
  - Eliminating the need for pre-printed stationery

…going PAPERLESS

- City Clerk manual and procedure revisions now available to City staff on the server
  - Eliminates printing out full manual updates for all departments.
- More fillable forms whenever possible.
- Paperless Agenda Project continues to save the City tens of thousands of dollars per year.

…with new and improved PROCESSES

- In 2015, the Immigration Affidavit/E-verify requirements were changed to apply only to services and not to goods.
  - Saves staff time and resources.
- Document Management helps departments correctly organize and index records for shipment to Archives.
  - Eliminates need for re-organizing records, saving time and energy.
- Departments produce quality, complete scans of meeting records and files
  - Records stored electronically off-site, ensuring retrieval of quality records without the need to pull boxes from storage.
  - Quality scans will be integrated into a centralized Electronic Document Management software system.

Household Chemical Collections:

The Taneycomo Connection

- **2.6 Tons** in 2015
- **41.5 Tons** in 8 years

- It's about the water
- Not in sewer system
- Not in stormwater
- Not in soil
- Cost: $1200/ton/avg

SOCIAL MEDIA REACHING CITIZENS:

- 39,758 VIEWS in 2015
- 356% Increase
- 687 Likes

Branson Recycle and Environment on FB & Twitter

Fire Department Goes Clean and Green Saves $1000.00+ Annually

Fire Fighter Kory Klein, after extensive research and cost comparisons, presented his findings to Fire Chief Martin. "THE ARSENAL" is a cleaning station. All approved hospital disinfectants. It dispenses the proper amount of solution for the application you choose. A quart bottle of window cleaner cost $.62 versus a quart of Windex at $2.24. Over-all we will save an estimated $1000 or more per year.

FIRE DEPARTMENT: KORY KLEIN

Chief Ted Martin/ Jan Denega

BEFORE:

728 BOTTLES/YR

COST: $1959.73

AFTER:

40 BOTTLES/YR

COST: $804.44

FIRE DEPARTMENT: KORY KLEIN
Chief Ted Martin/ Jan Denega

What the Arsenal **DOESN'T** USE:

Urban Garden 2015 – Keeps on Growin'

Fire Station 2:

- Expanded Garden – Station 3
- Added new fruits and vegetables
- Makes for healthier employees!

FINANCE OFFERING PAPERLESS BILLING

At 6% participation:

Eliminate 5,544 sheets of paper + ink cartridges
Projected Savings: $3,449.51 annually

OR

Paperless Billing Analysis					
3/8/2016					
	Paperless Customers	Cost/Ea	Total/ Month	Total/ 2015	Total/ 2016
#10 Envelope	462	0.0372	17.19	103.12	206.24
#9 Envelope	462	0.0335	15.48	92.86	185.72
Bill Paper	462	0.0274	12.66	75.95	151.91
Labor	462	0.025248	11.66	69.99	139.97
CBS Print	462	0.0080	3.70	22.18	44.35
Postage	462	0.4800	221.76	1330.56	2661.12
Postage Print	462	0.0109	5.02	30.10	60.19
Total			$ 287.46	$ 1,724.75	$ 3,449.51

HR Accomplishments in 2015

- New Employee Orientation Sustainability Video Updated (with the help of IT)
- Health and Wellness:
  - The "People" part of the Triple Bottom Line
  - Designated "Fit-Friendly" Organization for the second year in a row.
    - Meets American Heart Association Standards
- Virtual documents wherever possible.
  - Scanning and emailing applications & HR Manual Online
    - 10,500+ copies eliminated annually
- Recycling-
  - More visible to staff
  - New bins

We work smarter: Copy and Print Less; Store and Send Electronically More.
We Reduce, Reuse, and Recycle whatever we can.

Computer Recycling Contract

Created Recycling System For Electronics

- **Eliminate storage and/or trashing**
- **Old electronics recycled by certified company**

Recycled over 170 devices

- **Desktops, laptops, monitors, printers, and servers.**

2015 Efforts…299 Trees!

Arbor Day (April)

- 20 Years as Tree City
- 250 short-leaf pine seedlings at Lakeside Forest Wilderness Area

- 5 trees: Roark Creek Trail
  3 Crape Myrtle
  at the Ledbetter Memorial

Arbor Fest (October)

- 14 evergreen trees to screen the Recycle Center

Old High School

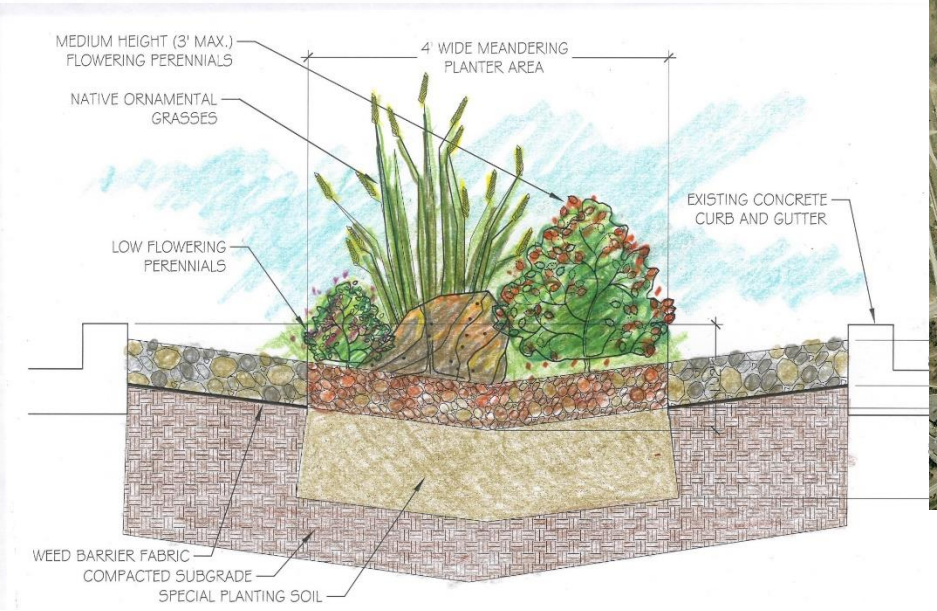
- 3 trees along College St and 10 Rose of Sharron

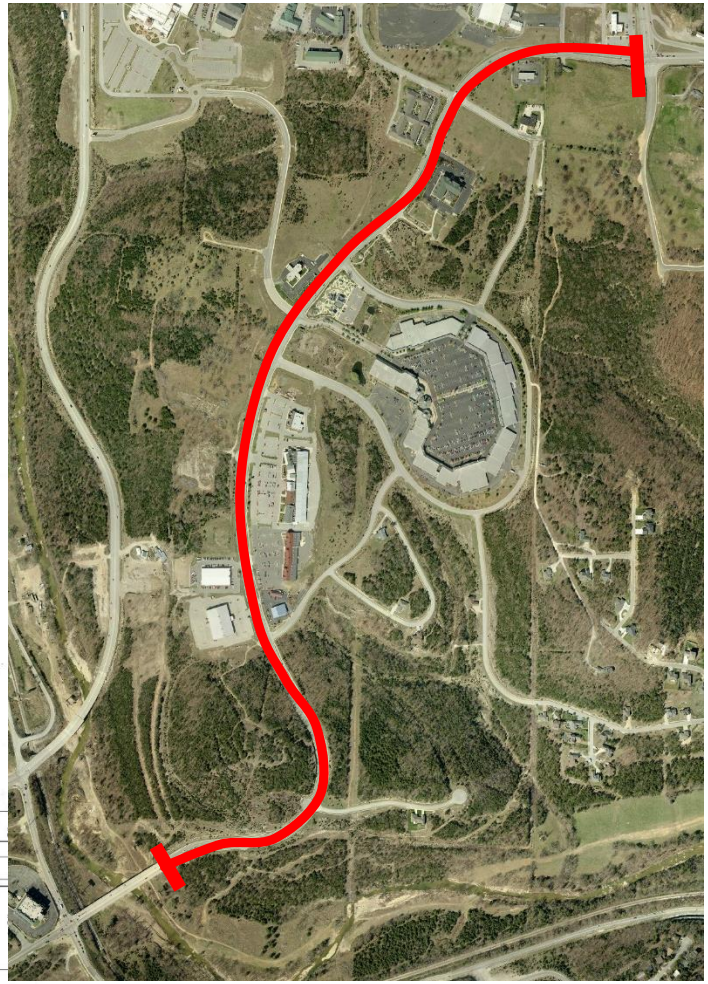
Branson Hills Parkway

- Planted 14 trees

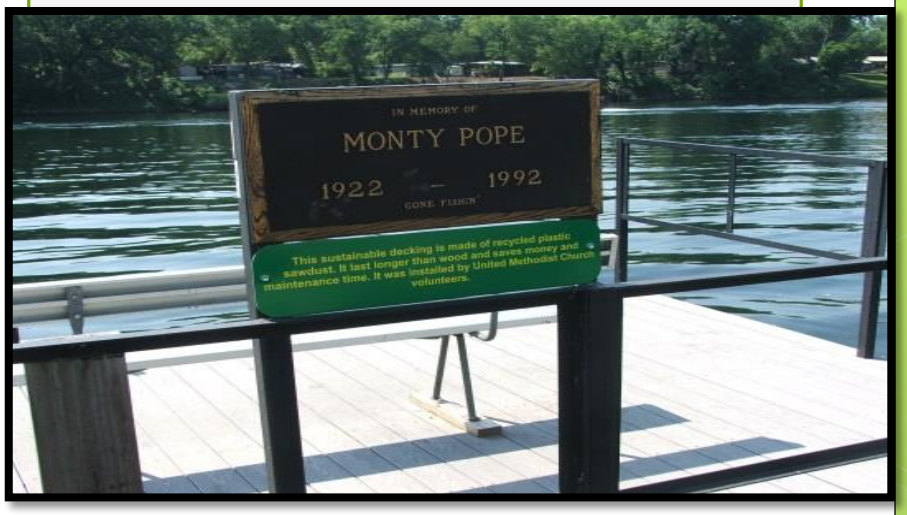
2015 Efforts…

- Gretna Road Island Project
  - Safer for Staff
  - Reduce maintenance
  - Beginning 2016





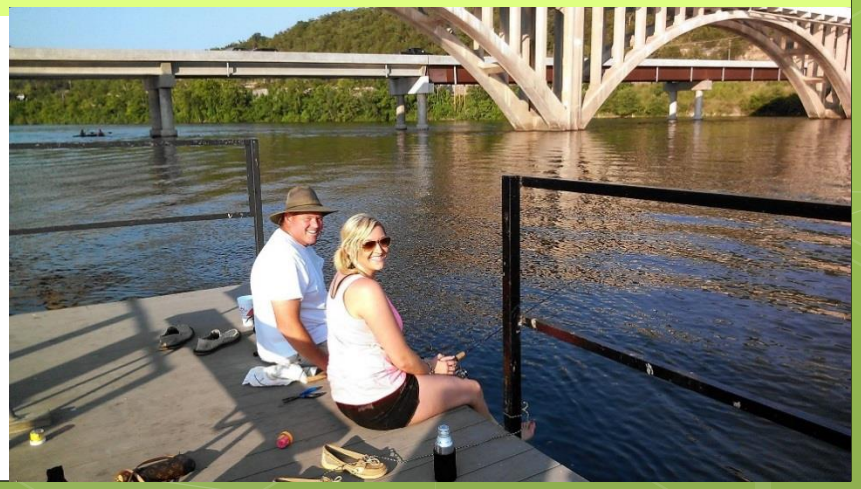
BEFORE



AFTER

Using Sustainable/Recycled Materials: Recycled Plastic + Sawdust (Not in Landfills)

- 4th Dock Replaced
- Longer lifespan
- No splinters
- Eliminates annual maintenance/repairs



Recycled Tables/Benches

Nygard Park and Lakeside Forest + Dog Park

Recycled tires and plastic bottles

Nearly Indestructible

Water Bottle Refill Stations

- Locations:
  - RecPlex – **120,000 refills**
  - Stockstill Park
  - RecPlex Softball Fields

- Benefits:
  - Less waste stream
  - Decreases litter in parks

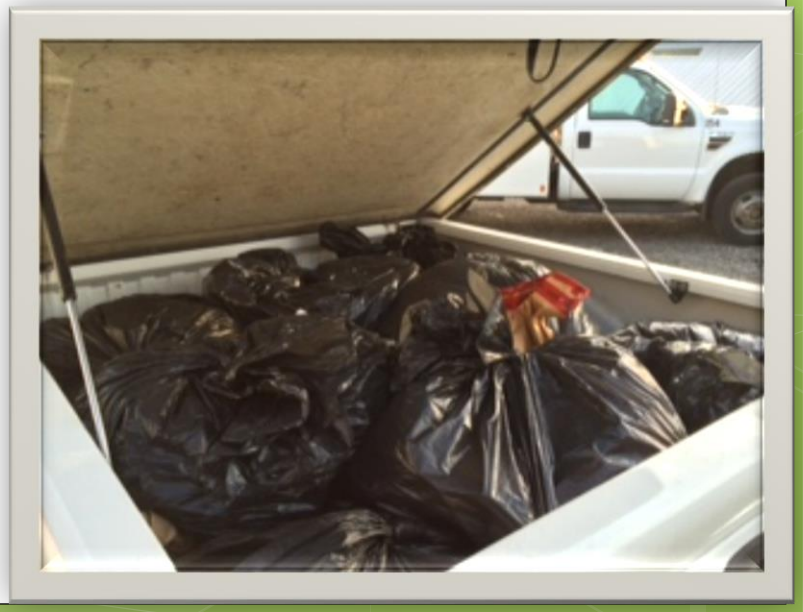
Kent Crutcher / Lee Deeds

Drug Drop Box

- 2015: 667 pounds of unwanted medication
- 2,369 pounds disposed since 2011
- Keeps drugs out of hands of children, landfills, water supply.

POLICE DEPARTMENT
Kent Crutcher/Lee Deeds

- Destroyed 4 truck loads of expired evidence
  - incinerated at no cost to Branson.
- Reducing paper usage by 100,000 copies
- Send reports electronically
  - Taney County Prosecutor's Office
  - Probation and Parole.
- Repurpose supply boxes to store evidence.



ENERGY $MART:
New Heat/Air at Cooper Creek Plant
Energy cost savings - $2955 per year

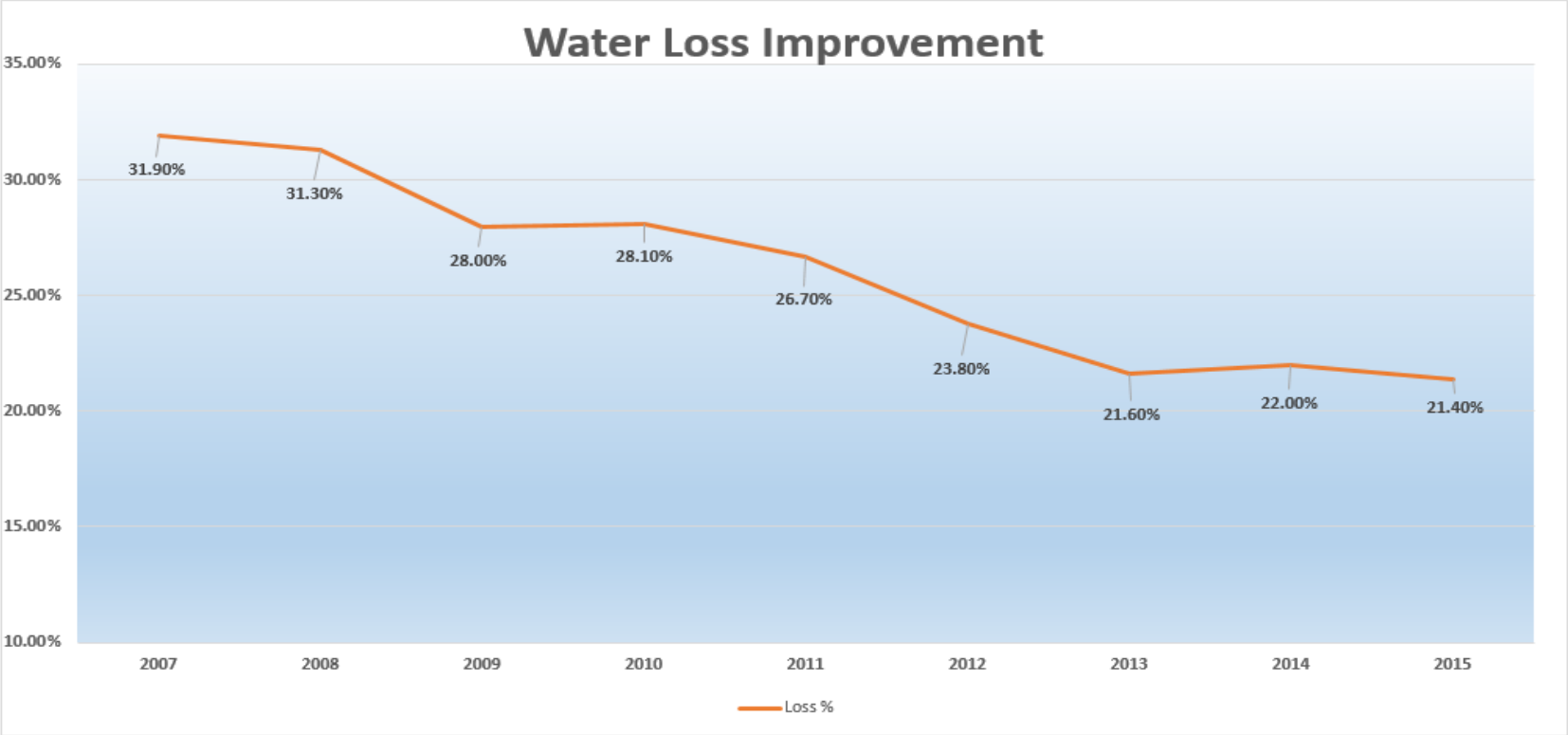
New Polymer used for dewatering biosolids
– 30% reduction in cost
More effective
Estimated savings of $40,000 annually

New Non-Potable water line & pumps
Tri-Lakes Biosolids Facility –

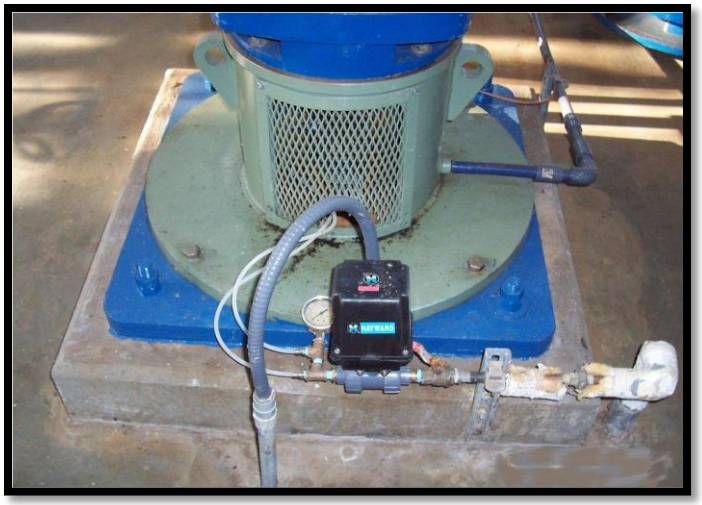
- potable water cost reduced 66%
- Savings of over $30,000 annually

Water Meter Retirement
Change-Out Plan Update

Phases I – V Completed Total Meters Changed with Auto Read: 3151 meters (70.9%) 100% by 2019



UTILITIES/WTP/WWTP
Mike Ray/Tim Glenn/Errol Cordell



- Meadows Water Plant:
- Automatic seal water shut offs for intake pumps
- 10 million gallons annual reduction in water use
- $8,410 per year Savings (est.)

Fire Hydrant Painting: $3500 Savings

Contract Bid $10,000
vs Part time worker and materials
for 12 weeks = $6,500

Coming in 2015:

COMPLETED

- Doubled Employee Incentives
  - $200.00
- Up to $300 per Team
- 11 Grant Awards = $17,914.00
- 25 Total Awards to Employees/Departments

Comments & Questions?

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