Conservation Update

Conservation and Local Resources
Item 4a
October 8, 2019
Rain barrel rebate began in 2013; cisterns in 2015

<table>
<thead>
<tr>
<th>Year</th>
<th>Cistern</th>
<th>Rain Barrel</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>4,700</td>
<td>4,860</td>
</tr>
<tr>
<td>2015</td>
<td></td>
<td>13,500</td>
</tr>
<tr>
<td>2016</td>
<td></td>
<td>91,900</td>
</tr>
<tr>
<td>2017</td>
<td></td>
<td>56,550</td>
</tr>
<tr>
<td>2018</td>
<td>4,860</td>
<td></td>
</tr>
<tr>
<td>2019</td>
<td>4,180</td>
<td></td>
</tr>
</tbody>
</table>
Metropolitan Has Offered Rebates for Cisterns Since 2015

Metropolitan introduced tiered rebate in 2016

<table>
<thead>
<tr>
<th>Cistern Size</th>
<th>Capacity in gallons</th>
<th>Available Rebate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small</td>
<td>200-500</td>
<td>$250</td>
</tr>
<tr>
<td>Medium</td>
<td>501-999</td>
<td>$300</td>
</tr>
<tr>
<td>Large</td>
<td>1,000+</td>
<td>$350</td>
</tr>
<tr>
<td>Rain Barrel</td>
<td>50-199</td>
<td>$35</td>
</tr>
</tbody>
</table>
What is the Difference Between Rain Barrels and Cisterns?

Rain Barrels

- 50 gallons

Cisterns

- 300 gallons
Cisterns Come in Many Shapes
Cistern Shapes (continued)
Cisterns Come in Many Sizes

Small 200-500 gallons

Medium 501-999 gallons

Large 1,000+ gallons
And Have Been Used Since Ancient Times
Cisterns Rebate Guidelines

- Property must have existing rain gutters
- Must have a capacity of at least 200 gallons
- Must have cover and mosquito prevention measures
- Can be installed above ground or below ground
- Maximum one per water service address
Cistern Rebate Program Activity

95% of all cistern rebates are for small units between 200-500 gallons

Remaining 5% medium and large units
Distribution of Cistern Rebates
Utilized email information from rebate applications for rebate activity between October 2016 and August 2018.

- 328 emails sent
- 152 responses
Questions from the Cistern Survey

- Why did you get a cistern?
- Who installed your cistern?
- Do you have any other water use efficiency devices?
- Since installing your cistern, what actions have you taken?
Reasons Why Respondents Purchased a Cistern

- Water outdoor plants/landscape: 93%
- Conserve water: 82%
- Control storm water runoff: 33%
- Supplement rain barrel: 14%
- Control soil erosion: 9%

Note: Respondents were able to provide multiple answers.
Who installed your cistern?

- Myself: 66%
- Someone helped: 16%
- Someone else: 18%
Do you have any other water use efficiency devices?

- Water efficient toilet: 88%
- Low flow showerhead: 76%
- High-efficiency clothes washer: 67%
- Smart irrigation controller: 51%
- Rain barrel: 37%
- High-efficiency irrigation spray heads: 30%
Since Installing the Cistern What Actions Have You Taken?

- Recommend a friend participate in program: 73%
- Became more aware of need to conserve: 43%
- Made changes to landscape: 38%
- Purchased water efficient device: 5%

Note: Respondents were able to provide multiple answers.
“Excellent program. Very efficient and got me started.

“The rebate made the cistern cost effective enough to justify the purchase for me.”

“You deserve lots of credit for taking action; many "conservationists" just talk! Thanks!”
**Conservation Expenditures**

**FY18/19 -19/20**

<table>
<thead>
<tr>
<th>Category</th>
<th>Paid(^{(1)})</th>
<th>Committed(^{(2)})</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regional Devices</td>
<td>$7.5M</td>
<td>$3.2M</td>
</tr>
<tr>
<td>Member Agency Administered</td>
<td>$1.7M</td>
<td>$5.3M</td>
</tr>
<tr>
<td>Turf Replacement(^{(3)})</td>
<td>$2.7M</td>
<td>$9.6M</td>
</tr>
<tr>
<td>Advertising</td>
<td>$5.3M</td>
<td>$0.4M</td>
</tr>
<tr>
<td>Other</td>
<td>$1.9M</td>
<td>$3.5M</td>
</tr>
<tr>
<td>Regional Multi-Family Pilot</td>
<td>$0.0M</td>
<td>$2.2M</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$19.1M</strong></td>
<td><strong>$24.2M</strong></td>
</tr>
</tbody>
</table>

(1) Modified Accrual as of 8/31/19. Values include admin fee when appropriate.

(2) Committed dollars as of 9/10/19.

(3) Up to $50M in applications accepted each year.

Draw from Water Stewardship Fund for expenditures above $17M.
Conservation Activity
FY18/19 -19/20

Summary of Expenditures in August 2019: $1,810,654 *

<table>
<thead>
<tr>
<th>Category</th>
<th>August</th>
<th>FY18/19-19/20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turf Replacement Rebates</td>
<td>241,421 ft² removed</td>
<td>2,680,811 ft² removed</td>
</tr>
<tr>
<td>Clothes Washers</td>
<td>1,314 units rebated</td>
<td>16,882 units rebated</td>
</tr>
<tr>
<td>Smart Controllers</td>
<td>1,364 units rebated</td>
<td>14,535 units rebated</td>
</tr>
<tr>
<td>Urinals</td>
<td>4 units rebated</td>
<td>232 units rebated</td>
</tr>
<tr>
<td>Rain Barrels and Cisterns</td>
<td>64 units rebated</td>
<td>4,221 units rebated</td>
</tr>
<tr>
<td>Toilets</td>
<td>3,014 units rebated</td>
<td>48,178 units rebated</td>
</tr>
</tbody>
</table>

Lifetime Water Savings to be achieved by all rebates in August 2019: 7,910 AF
FY18/19-19/20: 66,570 AF lifetime water savings

* Expenditures may include advertising and Water Savings Incentive Program activity in addition to the incentives highlighted above.