Water 2050 Regional Forum: Background and Key Issues

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Chicago, Illinois
Water Forum Purpose

1) discuss water supply planning and management issues of local/regional/state interest,

2) provide input and guidance to IDNR or other agencies on water related issues, and

3) discuss Water 2050 implementation and its eventual update.
Partners with the Prairie Research Institute
Resources: A Sample

Model Water Use Conservation Ordinance

Full-Cost Water Pricing Guidebook for Sustainable Community Water Systems

March 2010

December 2012
NWPA Accomplishments

* Outdoor watering ordinance (6)

see website:
http://www.nwpa.us/

* 2014-2016 Strategic Plan

* Monthly water-use reporting tool
NWPA Outdoor Watering

* **green** = no drought condition, abnormally dry
  odd/even watering: 6 - 9:00 a.m./p.m.

* **yellow** = moderate-severe drought
  sprinkler systems prohibited

* **red** = extreme-exceptional drought
  outdoor use prohibited
Drinking Water Infrastructure

To assist the IDNR, OWR gaining insight to permittee water-loss practices and challenges.
Permittee water loss relative to current / future thresholds: 2007-2013

- >8% Unaccounted for Flow
- >12% Nonrevenue Water
- >10% Nonrevenue Water

<table>
<thead>
<tr>
<th>Year</th>
<th>&gt;8% Unaccounted for Flow</th>
<th>&gt;12% Nonrevenue Water</th>
<th>&gt;10% Nonrevenue Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007</td>
<td>42</td>
<td>81</td>
<td>112</td>
</tr>
<tr>
<td>2008</td>
<td>44</td>
<td>86</td>
<td>111</td>
</tr>
<tr>
<td>2009</td>
<td>44</td>
<td>89</td>
<td>121</td>
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<tr>
<td>2010</td>
<td>37</td>
<td>86</td>
<td>126</td>
</tr>
<tr>
<td>2011</td>
<td>39</td>
<td>95</td>
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<tr>
<td>2012</td>
<td>43</td>
<td>96</td>
<td>123</td>
</tr>
<tr>
<td>2013</td>
<td>50</td>
<td>101</td>
<td>138</td>
</tr>
</tbody>
</table>
Response

* IL Water Loss Accounting Program Steering Committee – free AWWA Water Audit & Loss Control program training
http://www.isawwa.org/?page=Water_Loss_Training

Communicating Water Loss

Percentage of permittees communicating water loss information to customers:

- Yes: 24 (27%)
- No: 65 (73%)
- Total: 89

Frequency of communication with elected officials regarding water-loss information:

- Monthly: 11 (12%)
- Quarterly: 5 (6%)
- Yearly: 67 (75%)
- Never: 6 (7%)
- Total: 89
Water-Loss Control Policy

Describe your water department/utility’s water-loss control policy (e.g., ordinance, resolution, goal statement) or let us know if no formal policy exists.

74% - No formal policy
2% - Yes, it is …
7% - IDNR 8% UFF standard
17% - other answer
100%

(90 respondents)
Response

Formal Nonrevenue Water Policy under development!
Thank you!