First Amendment to the Winslow-CCMUA MOU
Reasons for Amendment

• Winslow planning for growth and requesting credit for water conservation success
• Pinelands staff concurs with conservation credit and looks to further protect the watershed
• New information about ecological impacts from the 2017-2022 New Jersey Water Supply Plan
Winslow K/C Water Conservation Results (2006-2016)

Great Egg
Mullica
Total KC

Year
Million Gallons per Year

2006: 475.5 MG
2007: 213.97 MG

2006-2016
Kirkwood Cohanseey Wells in the Headwaters of the Great Egg Harbor River Basin

Legend
- Wells in Kirkwood-Cohanseey water-table aquifer
- Wells in non-Kirkwood Cohanseey aquifers
- Pinelands Area Boundary (NJPC)
- GEHR HUC-11 headwaters
- Municipal Boundaries (NJOGIS)

0 1 2 3 4 Miles
Water Supply Plan
Currently Stressed HUC-11 Watersheds

Legend
- Pinelands Area Boundary (NJPC)
- Great Egg Harbor River Headwaters
- Watershed Management Area Boundary
- Current Remaining Volume of LFM25
  - 0
  - less than 5 MG
  - 5-10 MG
  - 10 - 25 MG
  - greater than 25 MG

Scale: 0 5 10 15 20 Miles
### Summary of MOU Benefits

<table>
<thead>
<tr>
<th>Benefits of MOU</th>
<th>Beneficiaries:</th>
<th>Benefits of Amended MOU</th>
<th>Beneficiaries:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. End of pollution from STP Recharge facility</td>
<td>Pinelands Watershed</td>
<td></td>
<td></td>
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<tr>
<td>2. Wastewater Treatment Savings</td>
<td>CCMUA</td>
<td></td>
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</tr>
<tr>
<td>3. Offset of infiltration by 1.5 mgs of non-K/C water</td>
<td>Pinelands Watershed</td>
<td></td>
<td></td>
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<tr>
<td>4. Removal of sewer ban on Township permitting ratable and PDC use growth</td>
<td>Pinelands Watershed &amp; Winslow Twp</td>
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<tr>
<td>5. Substantial on-going water use savings through conservation</td>
<td>Pinelands Watershed &amp; Winslow Twp</td>
<td>“Conservation Credit” = cost savings until credit is used up</td>
<td>Winslow Twp.</td>
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## Summary of MOU Benefits

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<td>6. Well Management System e.g., in time of drought</td>
<td>Pinelands Watershed</td>
<td>New watershed work group to investigate and reduce impact of existing uses</td>
<td>Pinelands Watershed</td>
</tr>
<tr>
<td>7. Protection of watershed in future through non K/C water purchases</td>
<td>Pinelands Watershed</td>
<td></td>
<td>Pinelands Watershed</td>
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<tr>
<td>8. Infiltration and inflow (I&amp;I) reductions to sewer lines reduce stress on aquifer</td>
<td>Pinelands Watershed &amp; Winslow Twp &amp; CCMUA</td>
<td></td>
<td></td>
</tr>
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<td>9. On-going water use monitoring and transition stream impact monitoring</td>
<td>Pinelands Watershed</td>
<td>Peak month cap to guard against severe use during time of drought</td>
<td>Pinelands Watershed</td>
</tr>
</tbody>
</table>
Next Steps (with P & I approval)

- Bring to Commission meeting December 8\textsuperscript{TH}
- Forward to Winslow and CCMUA for signature if approved by Commission in December
- Initiate Work Group to develop strategies to further reduce stress on the K/C aquifer and the GEHR headwaters