**To:** The Yadkin Pee-Dee Water Management Group Subcommittee

**From:** Warren Miller, Fountainworks

**Date:** June 6, 2017

**Re:** Town of Norwood/ Membership to YPDWMG

**Overview**

The Town of Norwood is interested in joining the Yadkin Pee-Dee Water Management Group, but cannot afford the $5,000 annual membership dues. Norwood's Town Manager has requested that the Group consider an alternative cost for smaller towns that use less water. Norwood's population is just below 5,000 people who use an average of 0.53 MGD.

Given that the goal of the Group is to promote regional collaboration, it is to the Group's benefit to admit as many members as possible. Now that the Group is well established, it is time to consider alternatives that would make membership more feasible for small municipalities. Towns like Norwood, who use less than 1 MGD, are not currently represented in the group (see the attached chart).

**Criteria**

* Establish a fair and objective breakpoint for determining which systems get reduced dues**.**
* Encourage others to join.
* Maintain financial stability.

**Recommendation**

At the next meeting on June 22nd, **the YPDWMG should vote to allow any system withdrawing less than 3 MGD and serving fewer than 10,000 people to join the group for $2,500 annually.** According to the Memorandum of Understanding (MOU), the Group may agree to alter the amount of annual dues by a simple majority vote. Such a vote would not require revising the current MOU. This solution would grant Norwood, and potentially 8 other identified municipalities, full membership privileges. Partial or affiliate membership should not be an option since this could create tension within the Group.

This reduced fee structure would only apply to planning agencies and water systems meeting both criteria. The EPA classifies any system serving fewer than 10,000 people as a small water system. The YPDWMG should adopt this classification while adding withdrawal rates less than 3 MGD in order to account for industrial water use. Counties, including current members, along with Davidson and Rowan (who do not withdraw water), represent larger populations and would not qualify for a reduced fee. The WSACC is considered as a county since it serves over 300,000 people in Cabarrus County and Concord and Kannapolis. Private partners, like Duke Energy, also serve more than 10,000 people and would be expected to pay the full membership fee.

This recommendation meets all three criteria: it establishes a definitive breakpoint for reduced fees that is based on withdrawal rates and size; makes membership more feasible for the 9 potential members; and maintains financial stability as all current members would continue to pay their previously established fees.

**Other options considered but not included in this recommendation**: reducing the fee to $2,500 for municipalities withdrawing less than 1 MGD; establishing a tiered pricing system; reducing fee for counties withdrawing less than 3MG.

**Current and Potential YPDWMG Members**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Withdrawal Size** | **#** | **Entity** | **Facility** | **Source/Receiving Water** | **2016 MGD** | **Population Served** | **Reduced Fee?** |
| **10+ MGD** | **1** | Charlotte Water | Franklin WTP, Lee S. Dukes WTP, and Vest WTP | Catawba River (Reservoir: Lake Norman); Catawba River (Reservoir: Mt. Island Lake) | 111.43 | 833,579 |  |
| **2** | City of Winston-Salem | P.W. Swann, WTP, R.W. Neilson WTP, and R.A. Thomas WTP | Yadkin River @ Swann RWPS (Reservoir: W. Kerr Scott); Yadkin River @ Idols RWPS (Reservoir: W. Kerr Scott) | 38.58 | 348,197 |  |
| **3** | Union County Public Works | Planned Yadkin River Water Intake - Norwood partner | Lake Tillery (Reservoir: Lake Tillery) | 14.06 | 129,815 |  |
| **4** | City of Concord | Coddle Creek WTP and Hillgrove WTP (Lake Fisher intake) | Coddle Creek (Reservoir: Lake Don T. Howell); Cold Water Creek (Reservoir: Lake Fisher) | 12.56 | 99,352 |  |
| **5** | Davidson Water Inc. | C.O. Pickle WTP | Yadkin River | 10.62 | 153,000 |  |
| **3 to <10 MGD** | **6** | City of Salisbury | Salisbury WTP | Yadkin/South River | 9.91 | 43,750 |  |
| **7** | Wilkes County | Wilkes County WTP (Future) | W. Kerr Scott Reservoir (Reservoir: W. Kerr Scott) | 8 ? | 69,000 (County Population) |  |
| **8** | Anson County | Anson County Filtration Plant | Pee Dee River (Reservoir: Blewett Falls Lake) | 7.76 | 25,765 |  |
| **9** | City of Albemarle | Tuckertown WTP and US 52 HWY WTP | Yadkin River (Reservoir: Tuckertown); Yadkin River @ Narrows (Reservoir: Narrows (Badin Lake)) | 7.06 | 16,000 |  |
| **10** | City of Monroe | John Glenn WTP | Stewarts Creek (Reservoir: Lake Twitty) | 6.81 | 34,331 (City Population) |  |
| **11** | City of Kannapolis | City of Kannapolis WTP | Irish Buffalo Creek (Reservoir: Kannapolis Lake); Coddle Creek (Reservoir: Lake Howell) | 5.03 | 47,623 |  |
| **12** | Richmond County | Richmond County WTP | Pee Dee River (Reservoir: Blewett Falls Lake) | 4.73 | 19,588 |  |
| **13** | Asheboro | W.L. Brown Jr. WTP (Lake Lucas and Lake Reese intakes) | Back Creek (Reservoir: Lake Lucas); Uwharrie (Reservoir: Lake Reese) | 4.56 | 25,740 |  |
| **14** | Town of Wilkesboro | Wilkesboro WFP | Yadkin River | 4.37 | 3,413 |  |
| **15** | City of Rockingham | Rockingham County (City Pond intake) | City Pond (Reservoir: City Pond); Roberdel Lake (Reservoir: Roberdel Lake) | 3.63 | 9,932 |  |
| **16** | City of Statesville | City of Statesville WTP (S. Yadkin River intake) | South Yadkin River | 3.22 | 25,363 |  |
| **1 to <3 MGD** | **17** | City of Lexington | Lexington WTP (Lake Thom-A-Lex intake) | Abbots Creek (Reservoir: Lake Thom-A-Lex) | 2.98 | 19,029 |  |
| **18** | Davie County | Cooleemee WTP and Sparks Road WTP | S. Yadkin; Yadkin | 2.81 | 26,500 |  |
| **19** | Town of North Wilkesboro | North Wilkesboro WP | Reddies River | 2.68 | 4,245 | YES |
| **20** | City of Thomasville | City of Thomasville WTP | Abbots Creek (Reservoir: Lake Thom-A-Lex) | 2.67 | 26,897 |  |
| **21** | Montgomery County | Montgomery County WTP | Lake Tillery (Reservoir: Lake Tillery) | 2.43 | 14,417 |  |
| **22** | City of Mount Airy | F.G. Doggett and WTP and S.L. Spencer WTP | Stewarts Creek; Locills Creek | 2.22 | 10,417 |  |
| **23** | Energy United Water | Energy United Water WTP | South Yadkin River | 1.78 | 12,260 |  |
| **24** | City of King | City of King WTP | Yadkin River | 1.7 | 20,490 |  |
| **25** | Town of Denton | Denton WP | Yadkin River (Reservoir: Tuckertown Reservoir) | 1.21 | 1,686 | YES |
| **26** | City of Hamlet | Hamlet WTP | Hamlet Water System (Reservoir: Hamlet Water Lake) | 1.2 | 10,452 |  |
| **0 to <1 MGD** | **27** | Town of Elkin | Elkin Municipal WTP | Elkin Creek (Reservoir: Elkin) | 0.81 | 4,000 | YES |
| **28** | Town of Mocksville | Hugh A. Lagle WTP | Hunting Creek | 0.77 | 5,240 | YES |
| **29** | Town of Yadkinville | Yadkinville WTP | South Deep Creek (Reservoir: Town of Yadkinville) | 0.74 | 2,962 | YES |
| **30** | Town of Wadesboro | Town of Wadesboro WTP | Jones Creek (Reservoir: City Pond) | 0.68 | 5,600 | YES |
| **31** | Town of Norwood | Norwood WTP | Yadkin River (Reservoir: Lake Tillery) | 0.53 | 4,690 | YES |
| **32** | Town of Jonesville | Jonesville WP | Yadkin River | 0.46 | 2,250 | YES |
| **33** | Town of Pilot Mountain | Pilot Mountain WTP | Toms Creek | 0.43 | 1,947 | YES |
| **34** | WSACC | Mt. Pleasant WTF | Dutch Buffalo Creek | 0.27 | 1,756\*\*\* |  |

\*Members are highlighted

\*\*Other Members include: Cube Yadkin Generation, Davidson County, Duke Energy, and Rowan County

\*\*\*The WSACC's role as a planning agency for Concord, Kannapolis, Harrisburg, Mt. Pleasant, and Cabarrus County serving 338,819 people.