

Chatham park water/wastewater

- Overall Wastewater system needs
- Wastewater System Phasing
- DCWRRF Details
- DCWRRF Implementation
- Overall Water system needs
- Water system phasing
- Next Steps

Wastewater System phasing

- Phase 1A – limited adjacent areas tributary directly to existing Town system and WWTP (2016-17)
- Phase 1B - DCWRRF
 - Initial 0.25 MGD (2018), expandable to 1.0 MGD (TBD as needed)
 - Overall Wastewater system
- Phase 2 - Sanford
 - Total capacity 2.0 MGD
- Phase 3 – Multiple options, time TBD as needed
 - Increase conveyance to Sanford
 - Obtain Interbasin Transfer (IBT)
 - Purchase water from Sanford to avoid IBT
 - Purchase reclaimed water from Sanford to avoid IBT
 - Expand local wastewater treatment & reclamation
 - At DCWRRF
 - At Town WWTP
 - New regional site/WWTP
 - Other regional opportunities

Overview



DCWRRF details

- Location – Bus 64 at Eubanks Rd
- Service Area – North Village
- Interconnections – 15/501 interchange and Town WWTP
- Shared NPDES capacity (3.22 MGD total, 1.249 MGD Robeson Ck)
 - Town WWTP 0.750 MGD
 - DCWRRF 0.499 MGD
 - Haw River 1.97 MGD remains unused
- Prioritize Use of DCWRRF Reclaimed Water Output
 - Service 3M reuse contract
 - Maximize other reuse opportunities
 - Shared discharge into Robeson Creek
- Town may use permitted capacity of DCWRRF to allocate additional non-CP development while awaiting Sanford completion

DCWRRF implementation

- 3rd party DBOOF
- Design Build Own Operate Finance
- 3rd party assumes all risk and liability
- Town retains resident/customer interface/billing
- Apportioned development fees and user charges pass through to 3rd party
- Town has options for buyout/turnover

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• What we do...

- Improve service
- Allow you to focus on core competency
- Eliminate personnel issues
- Provide focused expertise on water, wastewater and reclaimed water
- Guarantee performance
- Transfer risk
- Stretch your dollar



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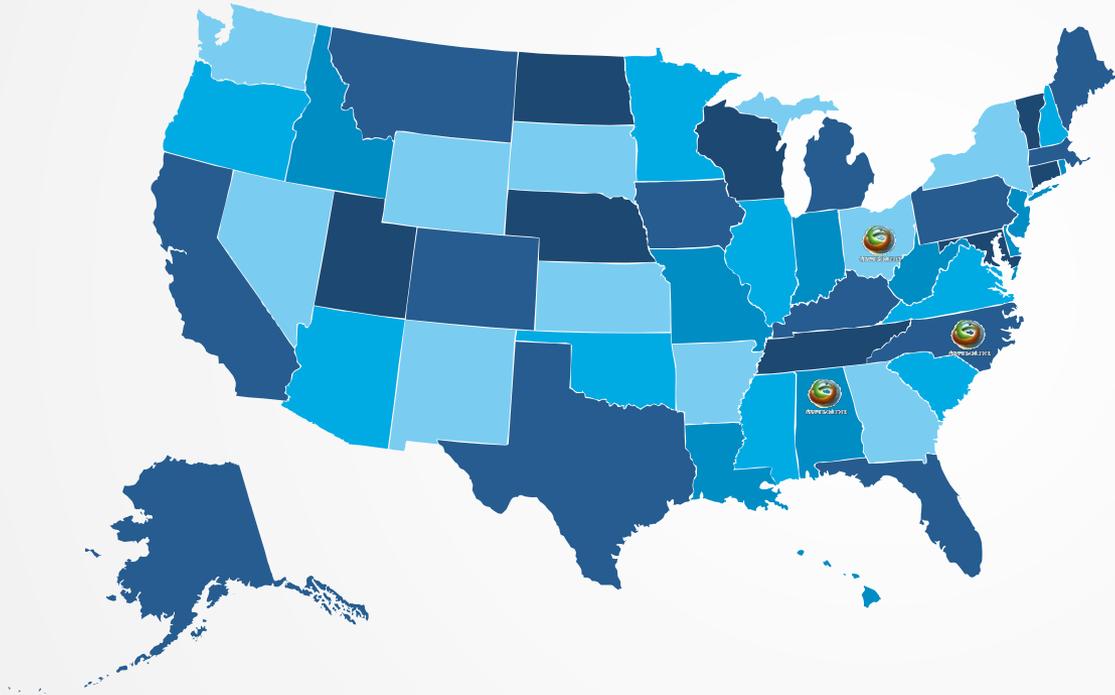
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- Mission...
 - Improve the sustainability of communities and the environment through the management of Public Works and Utilities**
- Third Party Finance Owner Operator
- Public Utility regulated by the NC Utility Commission
- Local presence - owns and operates Briar Chapel and Fearington Village
- Extensive experience in Water, Wastewater & Reclaimed Water Treatment, Collection and Distribution
- Public-Private-Partnerships across North Carolina...
 - Vance County
 - Hoke County
 - Halifax County
 - Eastover Sanitary District
 - Robersonville, Town of
 - Mocksville, Town of
 - Spring Hope, Town of
 - Norwood, Town of
 - Bailey, Town of
 - Middlesex, Town of
 - Pembroke, Town of
 - Garland, Town of
 - Elm City, Town of
 - Oak Ridge, Town of
 - Yanceyville, Town of
 - Maysville, Town of
 - Angier, Town of



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Envirolink Regional Centers



Corporate Office
Raleigh, NC

Regional Centers:
Columbus, OH
Birmingham, AL



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Envirolink Service Centers



Corporate Office
Raleigh, NC

Service Centers

Columbus, OH
Nashville, TN
Birmingham, AL
Bailey, NC
Eastover, NC
Henderson, NC
Mocksville, NC
Norwood, NC
Robersonville, NC



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benefits

No Capital or Operational Outlay

Services provided at no added cost nor effort by Town



Sustainability

Real and perceived benefits of furthering sustainability initiatives within the Town



Partnering Opportunity

Wide range of opportunities for partnering with private and public institutions for research and education



Reclaimed Water Availability

Facility will assume responsibility to serve 3M, as well as provide for a wide array of reclaimed water uses



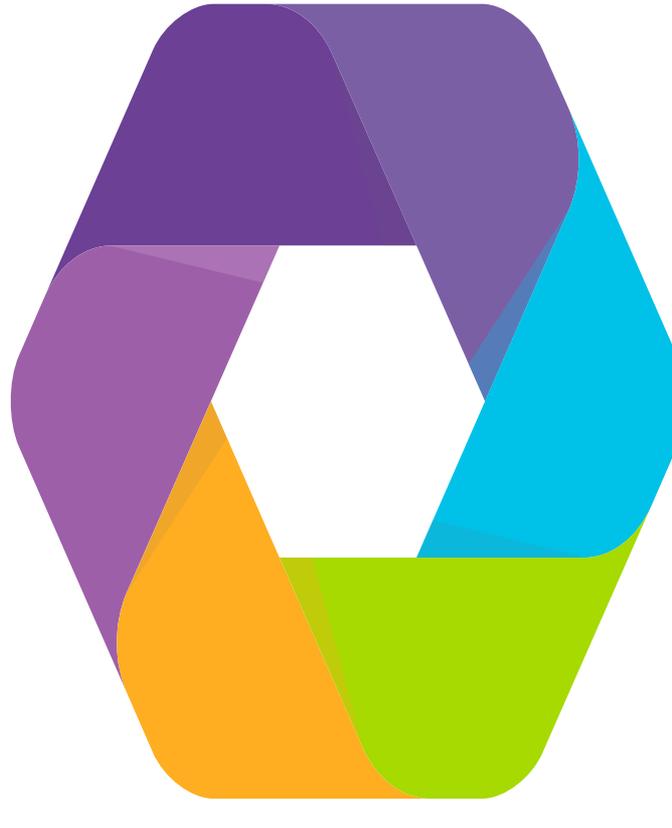
Access to Allocatable Capacity

Once permitted, additional Town allocations may be made against unused capacity



Community Engagement

Wide range of opportunities for public involvement and education



Water System phasing

- Phase 1 – limited adjacent areas connected directly to existing Town system (2016)
- Phase 2 – create new high pressure zone (2017)
 - Connection on US 15/501
 - New elevated storage tank near new CP interchange
- Phase 3 – continued expansion (time/magnitude TBD as needed)
 - New larger elevated storage tank
 - Re-purpose smaller elevated tank for reclaimed water
 - Expansion of WTP capacity
- Phase 4 – continued expansion (time/magnitude TBD as needed)
 - Additional elevated storage
 - Additional treatment capacity
 - Additional supply from other/regional sources

discussion