

# Southwest Regional WWTP Plant Upgrade and Expansion

- **Project Background**
  - Facility Location and History
- **Where we are now**
  - Project Progression
- **How we are paying for the project**
  - Project Funding

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## SW Regional WWTP Location Map



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## Plant Construction

- Facilities Plan in 1974
- Design of existing plant, 1974-76
- Construction of existing plant, 1976-79
- Start up of plant in 1979 (RBC Plant)



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## Plant Upgrades

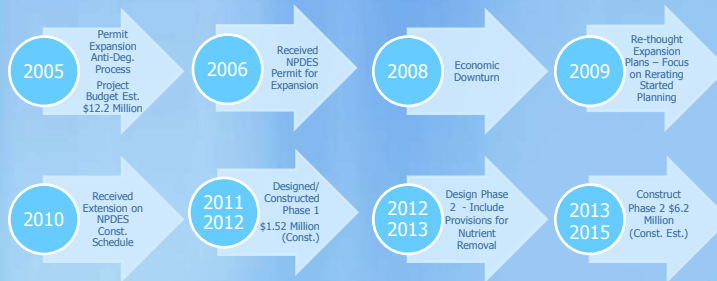
- 1994: Oxidation ditch replaced RBCs
- 2001-02: replaced influent screw pumps, new mechanical bar screen, repaired grit chamber, built new influent and effluent flow meters and flumes.
- 2006: New flow splitter, replace final clarifier mechanisms and upgrades, refurbish effluent screw pumps.
- 2011-12: Phase 1 Plant Upgrade/Expansion – solids handling project

# Project Progression

## Project Goals

- 2005: Increase plant design capacity from 2 to 4 MGD with peak capacity expanding from 5 to 10 MGD (Get New NPDES Permit)
- 2009: Optimize/erate existing plant processes as part of the expansion design – break project into two phases (Spend Less \$)
- 2012: Position plant for possible nutrient limits - use biological nutrient removal (BNR) in design (Be Prepared – Little Added Construction \$)

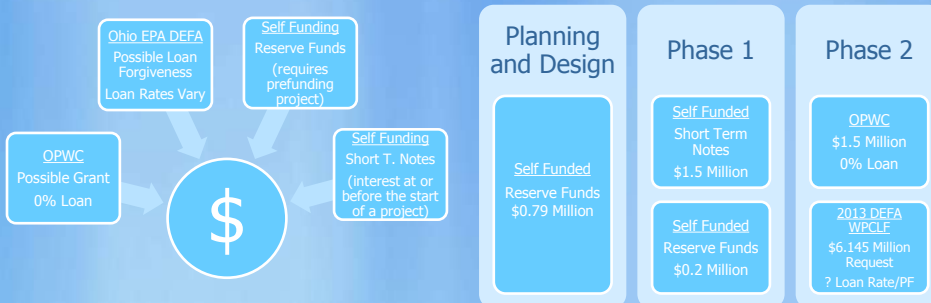
## Timeline



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# Project Funding

- **Self Funding – Fund Revenue/Short Term Debt**
- **Ohio Public Works Commission (OPWC)**
- **Ohio EPA DEFA – WPCLF (OWDA Loan)**



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# Contact Information



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