



New WWTP Benchmark

- Benchmarking is Best Practice Action 1 under Efficient Existing Public Buildings in Minnesota GreenStep Cities
- Benchmarking enables you to **derive metrics** and conduct **peer comparisons** between other WWTPs in order to understand and communicate your plants **energy performance** to control and ultimately **reduce operating costs** – in your WWTP and between other city buildings
- A WWTP benchmark and associated metrics are being defined with the intention of being incorporated into the B3 Energy Benchmarking Tool as a part of this project
- For a deeper dive, attend the **WWTP Benchmarking Follow-up Session** at the League of Minnesota Cities the **afternoon of February 16th, 2016**

Implementation-Financing

Public Buildings, including Wastewater Treatment Plants

- Guaranteed Energy Savings Program (GESp)
- Local Energy Efficiency Program (LEEP)

\$ Energy Savings Programs can be financed by a variety of methods

Water Infrastructure, including Wastewater Treatment Plants

- Project Priority Listing
\$ Water Infrastructure financing

Financing

- \$ Energy Savings Partnership
- \$ Rev It Up

For a deeper dive, attend the **WWTP Financing Follow-up Session** at the League of Minnesota Cities the **afternoon of January 13th, 2016**



Clean Water Project Priority List (PPL)

- State list of wastewater and stormwater projects
 - State Revolving Fund (SRF) & Intend Use Plan (IUP) provides low interest loans up to 30 yr terms
 - Green Project Reserve (GPR) – 25% principle forgiveness for energy efficiency and renewable energy features
 - Wastewater Infrastructure Fund (WIF) provides affordability grants to high cost/high priority projects
 - Point Source Implementation Grants (PSIG) provides 50% grant with a max of \$3 million per project
- Other federal and state program use the PPL



PPL Technical Review and Approval

- PPL = best blend of grant and/or loans for municipal wastewater construction projects
 - E2 and RE project components can be included in all projects and all programs
 - Facilities Planning has always required a cost effectiveness analysis
 - Recent congressional and legislative actions has only increased the importance of E2 & RE
- MPCA currently revising guidelines to add rigor...

Guaranteed Energy Savings Program (GESP)

- Commerce provides Technical Assistance for Identification, Development, Financing and Implementation of EE/RE measures
 - ESCO Selection Process and Tools
 - Vetted Contract Documents
 - Open Book Pricing with maximum markups and fees
 - Competitive Bidding of trade work and equipment
 - Guidelines for Savings M&V, Commissioning, Pro Forma
- Pre-qualified Energy Services Companies (ESCO's) under Master Contract provide:
 - Investment Grade Audit
 - Turn-key Implementation with GMP Price
 - Savings Guarantee for term of financing
- Commerce reviews Annual Savings Measurement & Verification Report

LEEP – Local Energy Efficiency Program

- Commerce program enabling Energy Studies to be used in cost-effective energy-savings projects
- Pre-qualified firms, standard documents & contracts, Supplemental Cash Flow Agreement
- Project Design & Implementation handled by LGU
- St Paul Port Authority provides financing agreements for LEEP participants through **Energy Savings Partnership**



- For more information contact **Alex Cecchini** at alex.cecchini@state.mn.us or 651-539-1707
- Contact Peter Klein at SPPA for ESP information

Community Energy Efficiency and Renewable Energy Loan Program “Rev It Up”

- Program Authority:
 - MN Statutes 216C.145 & 146 authorize Commerce and MMB to coordinate issuance of up to \$20M in revenue bonds to originate loans to eligible public entities seeking to finance cost-effective energy efficiency and renewable energy projects.

- Project Security
 - Primarily projected energy savings or production, revenue generated from increased productivity, or credit enhancements of the borrower.

- Solicitation Process
 - Commerce anticipates issuing an annual RFP to solicit project proposals from public entities seeking capital to finance eligible projects.

- For more information contact Eric Rehm at eric.rehm@state.mn.us or call 651-539-1853.