 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

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...

Bill Dunn, CWRF Coordinator  |  bill.dunn@state.mn.us  |  651-757-2324
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

Peter Berger, GESP Manager  |  peter.berger@state.mn.us  |  651-539-1850
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.ceccchini@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.