



Department of Environmental Protection

One Winter Street Boston, MA 02108 • 617-292-5500

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

Comprehensive Review of Revised Water Management Act Permit Requirements, July 1, 2017

Overview of Surface Water Release Costs referenced in Table 9.3 – Surface Water Releases

Surface Water Releases can be performed manually or automatically with powered control equipment and SCADA controls. This creates a range in potential costs involved.

Project 1 – Fully Automated System with SCADA Controls:

- GHD, "SCADA Feasibility and Design Memorandum at the Monponsett Pond System" Town of Halifax, June 2015. Table 1. Page 16.
- Cost estimate: \$700,000 to \$1,100,000
- Work involves:
 - Supplying power to the site
 - Electrical work at the site
 - Installation of remote monitoring equipment
 - New gate valve and motor operator
 - Design, Permitting, Bid and Construction Engineering Services

Project 2 –Automated System:

- Abt Associates, Pioneer Valley Planning Commission, "Cost-Effective Permit Renewal in a Shared Source Subbasin for Southwick and West Springfield" June 2016. Page 35.
- Cost estimate for Surface Water Releases automated system: \$75,000

Project 3 – Manual System

- For manual surface water releases, work involved may include replacement of wooden boards and manual gate valves.
- Cost for these types of upgrades would be about \$5,000.