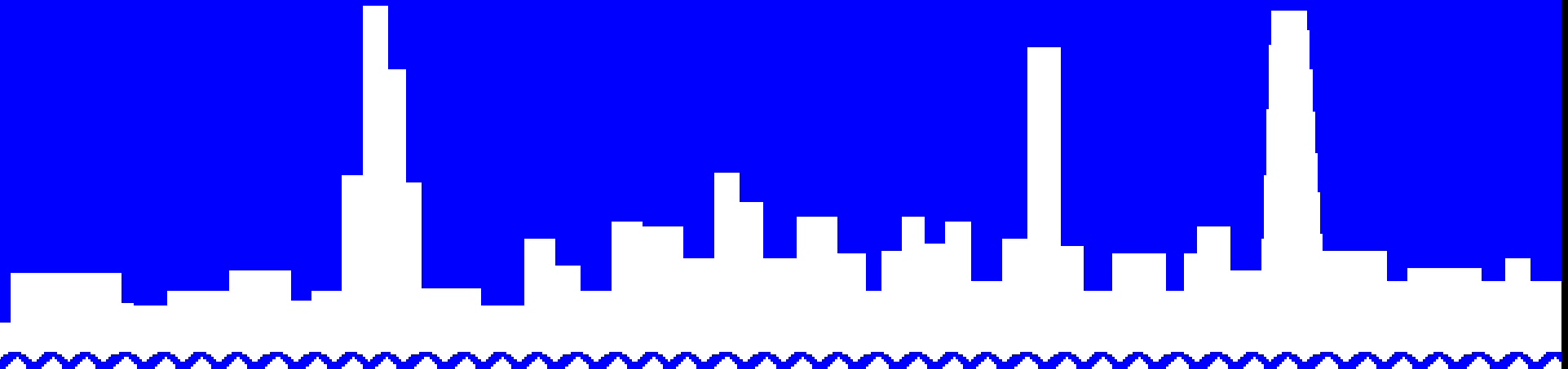


*Protecting Our Water Environment*



**Metropolitan Water Reclamation District of Greater Chicago**

**Watershed Management Ordinance  
Update & Potential BMP  
Requirements**

**March 9, 2011**

**John P. Murray, PE, CFM  
Principal Civil Engineer**

# WATERSHED MANAGEMENT ORDINANCE (WMO)

- *Rules and regulations concerning stormwater management for development and redevelopment projects*
  - *Uniform, minimum requirements for all Cook County*
- *Work began in 2007 with the assistance of advisory committees*

# WATERSHED MANAGEMENT ORDINANCE (WMO)



[http://farm1.static.flickr.com/146/354955137\\_0775ce7c1c.jpg?v=0](http://farm1.static.flickr.com/146/354955137_0775ce7c1c.jpg?v=0)

# ECONOMIC IMPACT STUDY

- *Draft WMO submitted for public review in Fall 2009*
- *Economic Impact Study (EIS) in progress*
  - *Engineering Component*
    - » **Majority of work completed**
  - *Real Estate Economist Component*
    - » **Goal is to issue RFP in April**
  - *EIS Expected to be completed June 2011*

# Draft WMO & BMPs

## ■ *Detention*

### ■ *Current requirement*

- *Rational method, TP 40*

- *Thresholds*

  - » **Non residential >> 5 acres**

  - » **Residential >> 10 acres**

### ■ *Draft WMO requirement*

- *Fixed dual release rate, Bulletin 70*

- *Thresholds*

  - » **Non residential >> 3 acres**

  - » **Residential >> 5 acres**

## Draft WMO & BMPs

- *Green to address smaller, more frequent rainfall events*
  - *Volume Control / Water Quality*
    - *Capture of 1<sup>st</sup> inch on impervious areas*
      - » **Pervious pavement**
      - » **Rain Gardens**
      - » **Swales**
  - *Thresholds: 0.5 acre non-residential, 1.0 acre residential*

## Other BMPs

- *Erosion and Sediment Control*
- *Isolated wetland protection*
- *Riparian environment protection*
- *Required maintenance plan*

# Path Forward

■ ???????