

Program Assessment for Stormwater Management

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Committee Documents

Documents provided to Stormwater Management Committee

- Survey responses
 - Services ranked by popularity among communities
 - Survey Results (email addresses redacted)
 - Survey Responses Chart (bullseye)
 - Survey Responses Graph
- Link to all digital data

Documents provided today

- Updated DRAFT Program Assessment
- Power Point Presentation
- Link to all digital data

Program Assessment Levels

The program assessment addresses watershed management, water quality, floodplain mapping, regulatory services and operations and maintenance. The assessment describes each of the program areas, including an overview and services within each one. Additionally, it discusses the ongoing needs and goals of the program within three tiers of services:

- **Level 1 – This level involves services that were identified by the County, municipalities and the Forest Preserve as being high priorities.**
- **Level 2 – This level involves services that were identified by the County, municipalities and the Forest Preserve as being priorities. In addition, Level 1 goals.**
- **Level 3 – This level involves services that were either broadly supported by both the County, municipalities, Forest Preserve and/or rated as a high priority among certain groups. In some instances, additional education or outreach may be necessary before fully implementing Level 3 potential initiatives.**

Based on the survey results, the direction should be to implement Level 1 & Level 2 services with Level 3 requiring more outreach and education on future needs.

Data from Survey



Majority Interest	3 to 5
Some Interest	2 to 3
Lacking Majority Interest	0 to 2

Watershed Management

Recommended Program Components

Level 1

Level 2

Level 3

Watershed Planning

- Partner with communities in local watershed planning efforts.
- Complete all watershed plans to allow for more grant opportunities.
- Update older watershed plans to include water quality projects.
- Surveying work for watershed planning, project design and floodplain mapping will be an in-house service to meet greater demand.

Regional Project Design & Construction

- Offer a municipal flood control project grant program.
- Continue to identify and apply for federal funding for flood mitigation projects.
- Increase the number of projects both designed and constructed to ensure projects identified in watershed plans do not become outdated.

Flood Prone Property Buyouts

- Continue with buy-out allocation for federal match share
- Establish stable in-house funding to allocate for the buyout program.
- Increase annual allocations to allow for the option of the County to purchase either multiple properties in-house or use the increased funds for federal match shares.
- Target watershed-specific buyouts for greater effectiveness.

Water Quality

Recommended Program Components

Level 1

Level 2

Level 3

NPDES Permit Compliance

- Enhance regional education efforts on water quality impacts.
- Enhance water quality education activities, both general and technical training.
- **Enhanced outfall monitoring program to effectively monitor each outfall every year, which would require an estimated 10 to 20 outfalls to be screened each day.**
- **Create a completely regional program for NPDES requirements.**
- **Create a GIS database for storm sewers across municipal boundaries.**

Water Quality Projects

- Increase involvement in water quality project implementation – both in and outside of the County.
- Enhance the plan for regional water quality project, design and construction to ensure projects remain updated and are in accordance with flood mitigation projects.
- **Identify water quality projects in each major watershed.**
- **Offer County assistance with community-based green infrastructure projects.**

Water Quality Improvement Program

- **Continue supporting the program with a \$300,000 annual allocation.**
- **Continue supporting the program with an enhanced annual allocation.**
- **Measure the success of projects in terms of how they will minimize pollutants reaching waterways through enhanced maintenance and monitoring.**
- **Enhance award percentage and/or County assistance based on merits of proposed project.**

Floodplain Management

Recommended Program Components

Level 1

Level 2

Level 3

Floodplain Mapping

- To keep up with the demands of the watershed plans, an effort will need to be made to reduce the floodplain mapping cycle within each level
- Reduce the floodplain mapping cycle to 10 years.

Floodplain Map Maintenance

- Resolve any discrepancies in existing maps.
- Implement a regular map maintenance program.
- Assist communities with LOMR updates.
- Maintain and update hydrological, hydraulic and water quality models.

Floodplain Determinations & Technical Support

- Enhance digital accessibility of floodplain maps.
- Increase communication efforts and community involvement.

Regulatory Services

Recommended Program Components

Level 1

Level 2

Level 3

Ordinance Enforcement & Updates

- Update the Technical Guidance Document.
- Create specialized annual training for municipal staff.
- Create a regular cycle for community audits.

Permit Review Services

- Decrease permit review turnaround time.
- Increase access of staff during the permit review process.
- Develop an electronic permit submittal program.
- Update permit tracking software.
- Expand NPDES permit compliance services.
- Specialized annual or biennial training for realtors, consultants, builders, developers, and municipalities for Ordinance, property screening, permit process, design requirements, and permit as-built requirements.

Compliance Inspections

- Allow for enhanced random and complaint-based inspections.
- Provide soil inspections for infiltration practices in order to meet increased federal and state environmental requirements.
- Create detention pond inspection program.

Wetland Services

- Improve upon the 10 to 14 workday wetland determination schedule.
- Update and maintain wetland maps.
- Create a Certified Wetland Specialist program and professional education series.
- Institute a wetland properties buyout program.

Flood Operations & Maint

Recommended Program Components

Level 1

Level 2

Level 3

Operation of Flood Control Facilities

- Continue to operate flood control facilities
- Re-establish a capital program for new projects

Facility Maintenance

- Re-establish a capital program for flood control facilities
- Create detention pond inspection program
- Create a detention pond maintenance program
- Provide storm sewer televising.
- Provide storm sewer cleaning/jetting.
- Provide detention pond outlet cleaning.

Flood Forecasting Program

- Continue flood forecasting program

Stream Maintenance Program

- Continue stream obstruction clearing program
- Enhance the stream obstruction clearing program.
- Create a streambank stabilization program.

Program Assessment

www.dupageco.org/swm/programassessment



Next Steps

- Bring Program Assessment results to Stormwater Committee on November 18th
- Open for 30 day Public Comment Period
- Bring final document with Public Comment included to February 3rd Stormwater Management Planning Committee

Committee

Stormwater Management Planning Committee

Dan Cronin, DuPage County Board Chairman

James Zay, Committee Chairman

District 1

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Nunzio Pulice

District 2

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