

# ***Announcement & Call for Abstracts***

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## **Collection Systems 2019**

### **Race to Indy – 25 Years of Wet Weather Control**

June 4-7, 2019  
Indianapolis, Indiana, USA

**ABSTRACT SUBMITTAL DEADLINE: September 12, 2018**

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This conference is held by the Water Environment Federation in cooperation with the Indiana Water Environment Association.

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**The Specialty Conference Committee is soliciting abstracts on the following topics 1-10. *Suggested subtopics provide content guidance and are not limited to those listed.***

**1. Integrated Wet Weather Planning**

Water Quality Improvements, Water Quantity Reductions, Regulatory Approach, Pre-Treatment, Sewer Separation for Inflow Reduction, Source Control, Asset Management, Managing Maintenance Data, Wet weather flow management, NPDES, Water Resource Planning, Clean Water Act compliance, Green Infrastructure, Regional Planning, Innovative Technologies, Water Quality Based Requirements (TMDL), Sustainable Infrastructure, Supplemental Environmental Projects, Long Term Control Planning.

**2. Sanitary and Combined Sewer Overflows**

Responding to events, SSOs, CSOs, Inflow and Infiltration (I/I) Reduction, Implementing SSO/CSO Control/Reduction Plans, SSO Response Plans, SSO Reporting, SSO Volume Estimation, SSES, Managing Water Across Political Boundaries, Planning, TMDL Compliance, Storage/Treatment Options., Consent Orders.

**3. Planning**

Partnering and Building Consensus with the Public, Public Education and Communication, Overflow Signage and Public Notification Programs, Educating Politicians, On-line Tools and Communication, Master Planning, Integrated Planning, Intergovernmental Agreements, Satellite Systems, Innovative GIS Applications, Mapping, Easements and Ordinances, Capacity Planning, Strategic Planning, Business Planning.

**4. Design and Construction– Delivering Capital Projects**

Capital Improvement Project Validation Sustainability design issues, Money matters, Stakeholder involvement, Life cycle issues, Critical infrastructure, Alternate project delivery, Construction Management, Design Criteria and Standards, Conventional vs Alternative Sewers, Rehabilitation, Challenges solved, Case studies, Construction issues, Lessons learned and successes, Easement access, Community involvement.

**5. System Operations and Maintenance (O&M)**

Operator Engagement, Operating and Maintaining Systems for Sustainable Use, Odors and Corrosion, Case Studies on Effective Computerized Maintenance Management Systems, CMOM, Applying Best Appropriate Management Practices, Sewer Inspection Techniques, Budgeting for O&M, Application of Floatables Control, Using Wireless Systems in the Field, Establishing a Sewer Cleaning QA/QC program, Developing Standard O&M procedures, New Technologies and Practice for O&M, CSO/SSO Alarm and Notification Systems, Lessons learned, Benchmarking, SCADA Monitoring

**6. Affordability**

Funding Alternatives, Feasibility Analysis, Rate Impact Studies, Affordability Analysis, Use of Various Financing Instruments, Methods of Charging for Wastewater Flows, Alternative Delivery Methods, Innovative Solutions, Stakeholder Involvement.

## **7. Asset Management and Sustainability**

Level of Service definition and performance goals; Risk Management; Asset inventory and valuation; Asset Management Plans; Information Systems Management tools and processes; Condition assessment and efforts to gather valuable, consistent data and how to use data, Flow Monitoring, Modeling, Design Standards, Construction Specifications, and Inspection; Maintenance Analysis and Planning; Sewer System Evaluation Surveys that provide results and impact decisions; Planning and Measuring Results of a Rehabilitation and Replacement Program; Developing business case evaluations; Culture Change - Getting buy-in top down and bottom up: asset management needs to involve utility and municipal management, financial, engineering, IT, administrative, and field staff, Enterprise Asset management case studies, Capital Budgeting and Improvement Plans, Benefit/Cost Analysis.

## **8. Trenchless Technologies, Rehabilitation and Private I/I**

Trenchless rehabilitation technologies, Tunneling in soft ground, rock, and mixed face; Tunnel geotechnical investigations best practices; Design and construction best practices or lessons learned; Tunnel risk approaches and risk registers; Contractor outreach/engagement during design, Private property rehabilitation, education and the challenges.

## **9. Pump Stations/Force Mains**

Sanitary/Combined/Stormwater Pump Stations, Lift Station Grit Removal; Screening Approaches; Large and Small Diameter Force Mains, Force Main Maintenance, Design Life Considerations, Retrofitting, Investigations. Design and construction best practices or case studies.

## **10. Utilities of the Future**

Predictive Modeling, Big Data/Data Analytics; Sensors in collection systems; Developing sensed networks; Active Management of the Collection System, Incorporation of radar/advanced forecasting, Metering, Rainfall monitoring, System Optimization for Overflow Reduction.

## **Important Information about Collection Systems 2019 Abstracts**

**Method of Submittal:** Online only please. Please visit [www.wef.org/CollectionSystems](http://www.wef.org/CollectionSystems) for a direct link to the online submittal site. Abstracts must be received by Midnight Eastern on September 12, 2018.

**Review Criteria:** Abstracts shall be no longer than two pages. One additional page may be submitted with tables, graphics, and/or images

Clearly defined and addressed in the abstract submittal:

- State purpose – What message or knowledge transfer will be provided?
- Benefits of project – Clearly state why this project should be selected and will provide a benefit to our industry. Is it unique, new technology, a different spin on an old concept, etc.
- Status of Completion – At the time of submittal, is the project complete, if not, when will it be complete? Consideration for completed projects is weighted more than incomplete projects.
- Conclusion – Clearly state the take away message. Example: If several products or methods are being evaluated, there should be a definitive conclusion stated in the abstracts to why one was chosen over the others.

**After Selection:** All authors will be notified of their placement in the technical program in November. Per WEF's policy, selected authors are required to submit manuscripts prior to the deadline.

Presenters are expected to register for the Conference and pay the appropriate registration fee.

No travel or assistance funds are available for speakers.

**For Questions or Additional Information:**  
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