

Status Briefing on Planning Level Cost Estimating Technical Work Group

Presented to the
Water Pollution Abatement Advisory Committee
December 3, 2015



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**Wastewater Treatment
Division**

Proviso Directive

Establish a **Planning Level Cost Estimating Technical Work Group (TWG)** to review and make recommendations to the Executive and King County Council regarding:

- Processes to establish and update planning level cost estimates from project identification through 30% design
- Processes used to consider or reconsider projects as they move from project identification to 30% design and establishment of a baseline budget



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Cost Estimating Technical Work Group (TWG)

Member	Representing
Mike Reed	King County Council Staff
Katy Buck	King County Regional Water Quality Committee
Christie True	DNRP Director's Office
Sandy Kilroy	WTD – Director's Office
Kathy Loland	WTD – Project Planning and Delivery Section
Tom Lienesch	WTD – Finance Section
Adam Strutynski	Sound Transit (Peer Public Agency)
Henry Chen	Metropolitan Water Pollution Abatement Advisory Committee
Andrew Lee	Metropolitan Water Pollution Abatement Advisory Committee



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Consultant Expertise

Value Management Strategies (VMS) selected as consultant to assist WTD and the TWG in its review, development and implementation of technical recommendations. The VMS team has:

- Significant experience in cost estimating, recommending and implementing successful changes to practices, tools and techniques, facilitation and training
- Strong subject matter expertise in areas of total cost management, risk management, estimating, trend analysis, project controls, planning, and wastewater engineering



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Consultant Support Role

VMS will:

- Arrange, facilitate and participate in TWG meetings
- Prepare items for the TWG and WTD management review
- Assist and participate in presentations as requested to MWPAAC, RWQC, County Executive, and Council



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Consultant Scope of Work

Assist WTD in identifying and implementing improvements to:

- long range **planning-level and early design cost estimates**, methods, tools, data sources and assumptions
- **contingency** standards for total project cost estimates
- **independent validation** of early design cost estimates
- **trend analysis program** to document and communicate decisions, costs and changes over time
- **training** on accepted recommendations



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Steps to Date

VMS and WTD conducted a kick off meeting with the **Cost Estimating Technical Work Group** on November 2, 2015

VMS has conducted a series of surveys, group and individual interviews of more than 50 primary WTD **capital program stakeholders**



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Consultant Analysis and Issues Identification is Underway

Document and Systems Review, including:

- King County and WTD capital program and project management policies, processes, manuals, tools and guidelines
- WTD project planning and estimating systems and examples
- Audit findings and recommendations

Industry Comparison

- Identification of similar organizations and their estimating practices



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Consultant team Next Steps

Consultant Team/WTD Workshop #1 *(Nov 30 – Dec 4, 2015):*

- VMS to present Initial Findings, Issues Assessment and Prioritization
- Survey Results and Interview Notes
- Current state of WTD's long-range Planning and Estimating Processes
- Industry Comparison and Gap Analysis
- Performance Attribute Analysis
- Issues Prioritization
- Present initial findings to TWG on December 21, 2015



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Schedule

- Next TWG meeting is December 21, 2015
- The majority of the work will take place during the remainder of 2015 and throughout 2016.
Approximately 8-10 meetings of the TWG throughout 2016
- Briefings to the County Executive, Council, RWQC, and MWPAAC will occur in 2016 at key deliverable milestones
- The TWG must **finalize technical recommendations** to the County Executive and Council by **December 2016**



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Questions

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