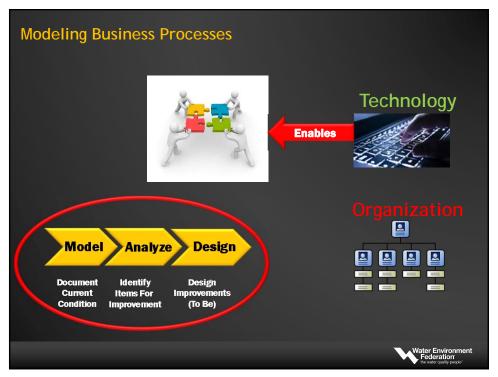


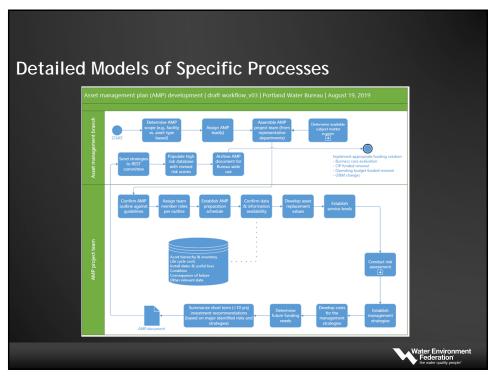
### **Benefits for Utility Partners**

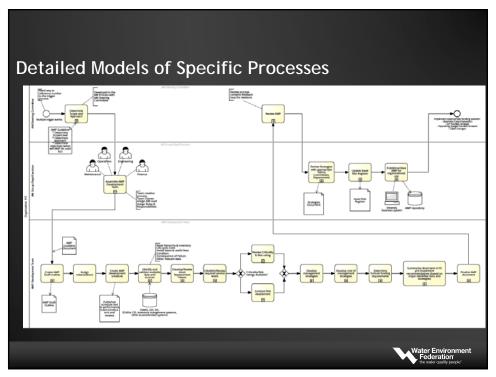
- Exchange of ideas/experiences with peers from different utilities
- In-depth examination of important topics/business areas
- Access to knowledge base (models, artifacts)
- Defined best practices that can be applied within a utility
- Adopted standards for:
  - Metrics associated with specific business processes
  - Documentation of business processes (e.g. format, notation, hierarchy)

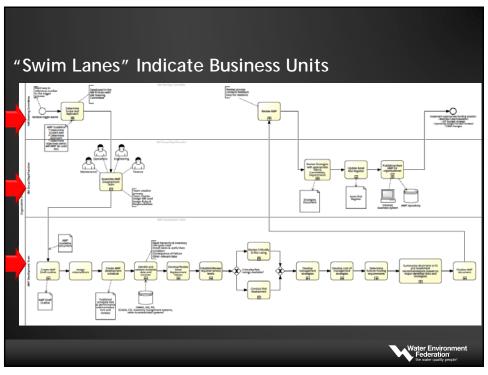
Water Environment
Federation
the water quality people'

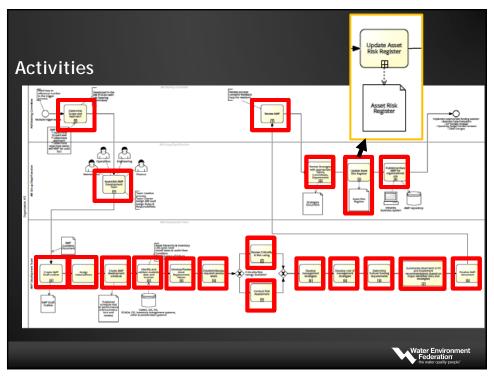


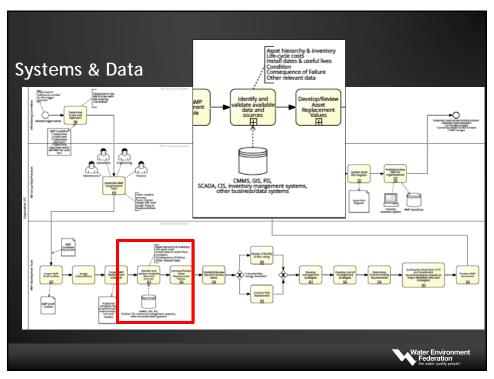


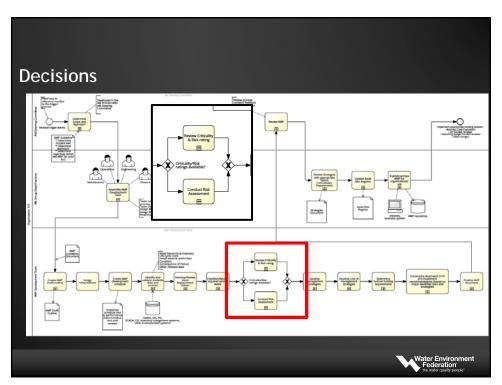










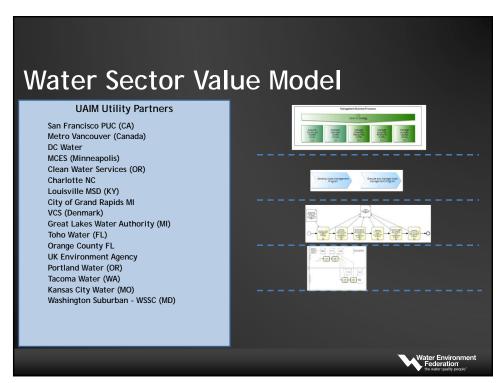


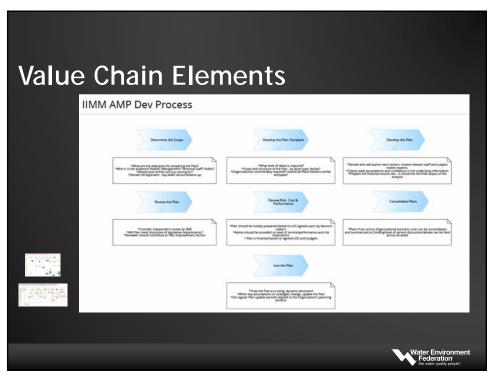
### BP Models Describe...

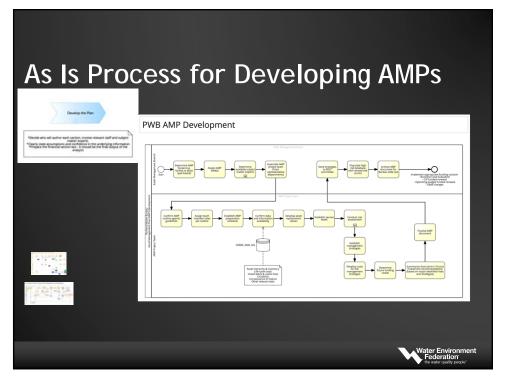
- Who is involved in the business process (swim lanes)
- Work flow (sequence paths of activities)
- What decisions need to be made (and by whom)
- What resources (e.g. time, staff, equipment) are needed
- The metrics impacted by the process
- What data is required to execute work (and make decisions)
- Where (in what systems) the required data resides

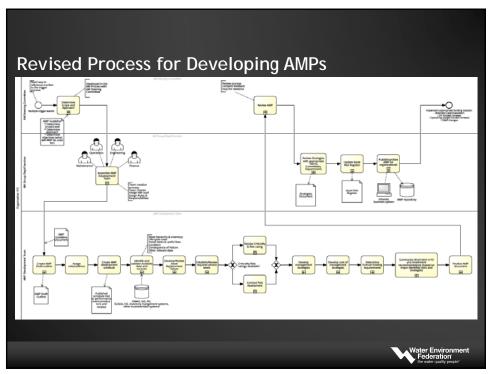


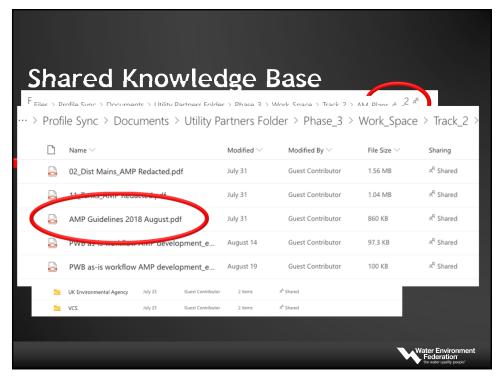
23





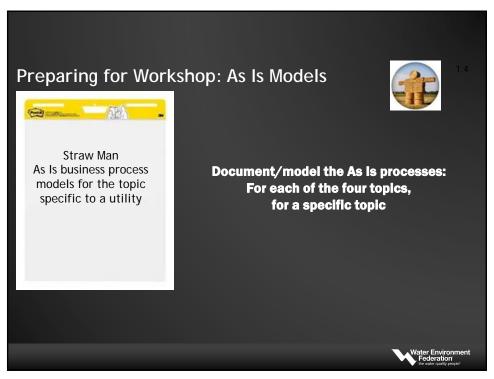


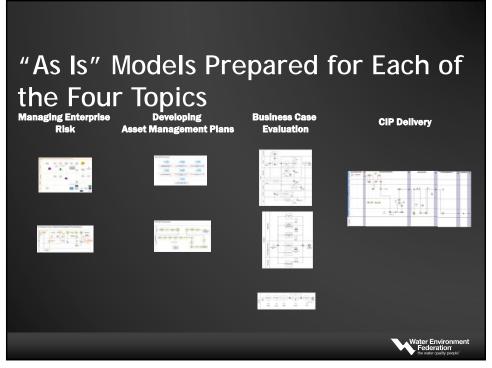


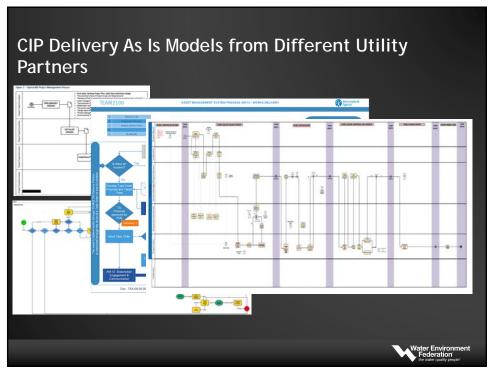




#### **Context and Explanation** This workshop lasted four days: Monday through Thursday. It covered four topics in parallel sessions, with two days dedicated to each topic: Topic Schedule Utility/Topic Lead CIP Delivery Monday and Team 2100 UK Environmental Agency Tuesday Managing Enterprise Risk Portland Water **Business Case Evaluation** Wednesday and Thursday Developing Asset Management Plans Minneapolis Council of Environmental Services





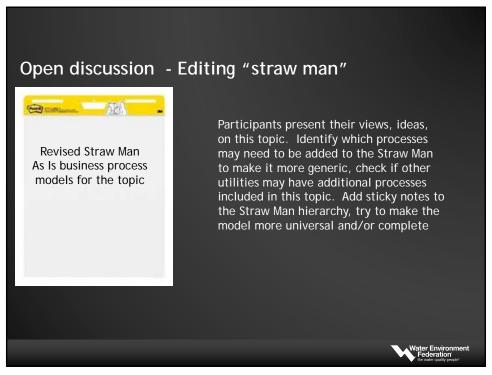


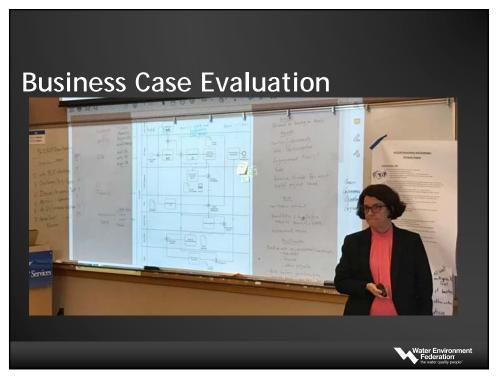
### Summary of input from others for a specific topic

- Utilities posted related 129 artifacts in 5 weeks
- Content included:
  - Business process models
  - Guidance documents (e.g. for Developing Asset Management Plans)
  - Finished products (e.g. Asset Management Plans)

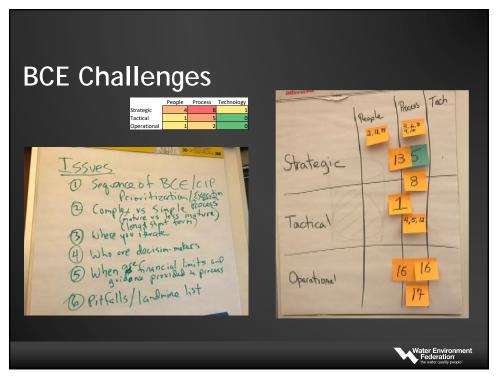
| Category     | Who                  | What                                 |
|--------------|----------------------|--------------------------------------|
| CIP Delivery | DC Water             | CIP Planning Process                 |
| CIP Delivery | MCES                 | Project Delivery Analysis            |
| CIP Delivery | MCES                 | Project Delivery Analysis Milestones |
| CIP Delivery | MCES                 | Project Delivery Analysis Flowchart  |
| CIP Delivery | Metro VC             | MVC - PM Guidelines                  |
| CIP Delivery | Metro VC             | CIP Investment Planning              |
| CIP Delivery | Metro VC             | Collated Pinch Points                |
| CIP Delivery | Toho Water Authority | CIP Project Summary Sheet            |
| CIP Delivery | UK                   | Team 2100 Capital Delivery           |
| CIP Delivery | UK                   | Team 2100 Process Overview           |
| CIP Delivery | UK                   | PR - OM -0002                        |



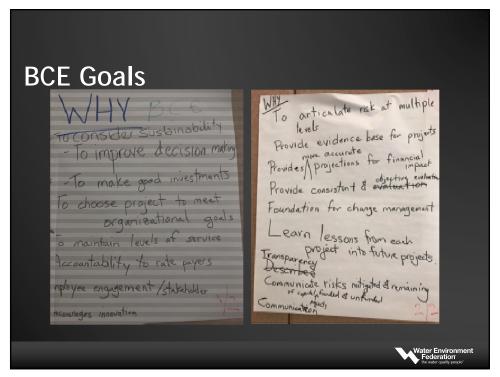


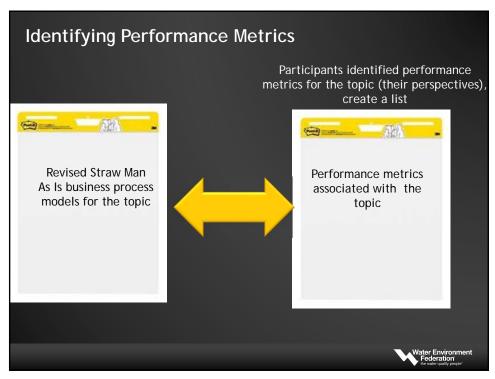


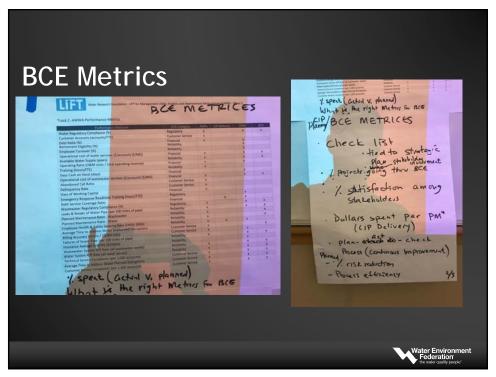






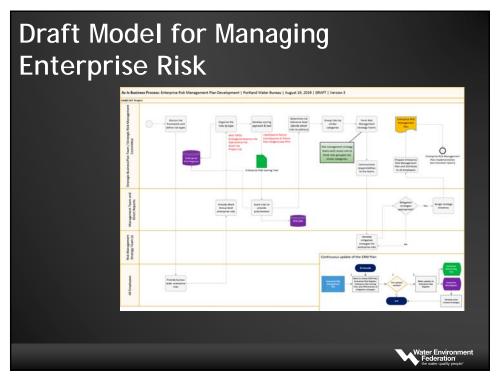


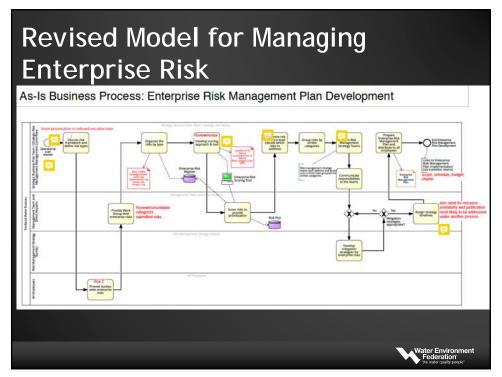












# Business goals help shape the major to-be workflow steps

| Risk identification (category and ranking) | Grow view of risk management                           |
|--|--|
| Define risk tolerance                      | Rationalize enterprise wide decision making            |
| Improve employee engagement                | Enterprise-wide agreement on priorities - path forward |
| Lower risk profile                         | Enable business continuity                             |
| Improve corporate sustainability           | Compliance with risk management standards              |
| Transparency - reduce complexity           | Greater integration/cohesion across the organization   |
| Ensure corporate goals are met             | Minimize surprises: What should I have known?          |
| Support risk-based decisions               | Resilience across staff changes                        |
|  |  |

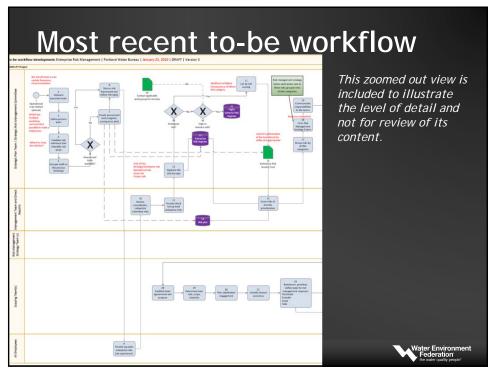


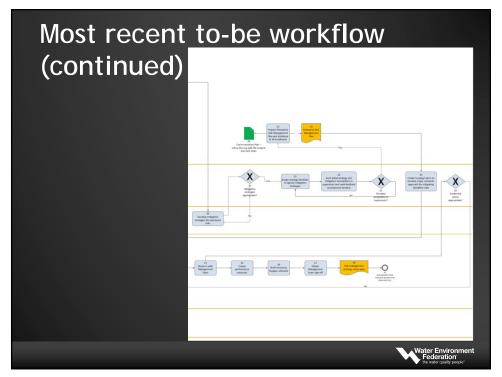
47

# Challenges for utilities to achieve the To-Be workflow were identified

- Subjectivity in assigning consequence of failure ratings to strategic risks
- Difficulty in judging the relative likelihood of identified risk events
- Setting the risk tolerance/appetite level between coming up with an actionable list (due to resource availability) and not overlooking important risk
- Assigning risks to risk management teams not suitable to manage them due to skills and/or resource availability
- Disconnect between Management and Risk Management Strategy teams in interpreting what "appropriate" mitigation strategies are
- Timeline assigned to a mitigation strategy not attainable by the executors
- Scheduling a periodic update of strategic risk status and assigning new risks outside a strategic plan process
- Agreement on the consequence of failure scoring matrix
- Management Team engagement, support, and securing funding
- · Change management and accountability





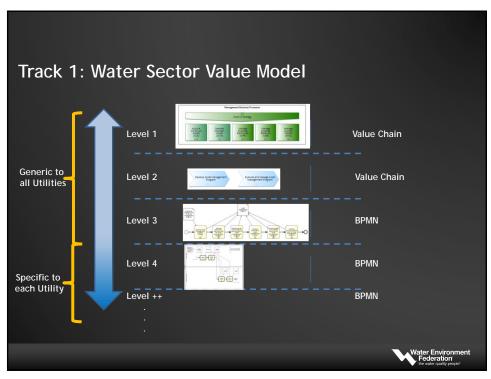


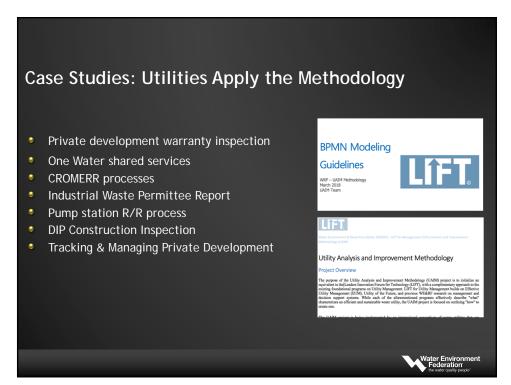


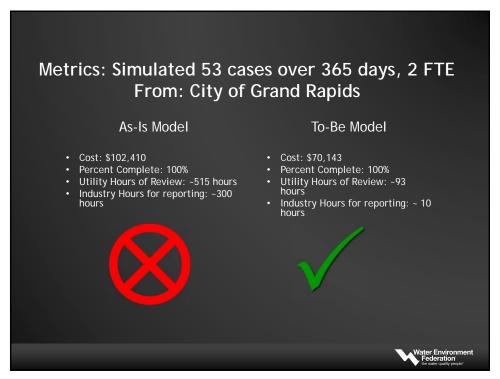
# Overview of scope for Year 2

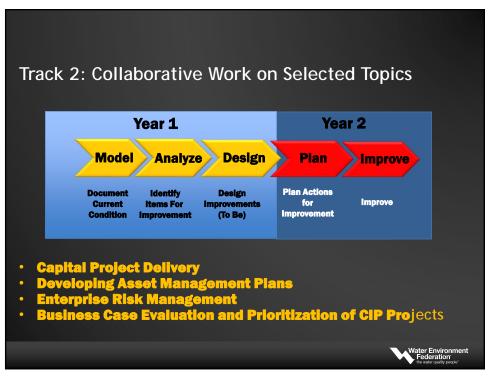
- Track 1
  - WSVM curation
  - Guidelines
  - Independent BP modeling, case studies
  - Training
- Track 2
  - New topics
  - Case studies on existing topics

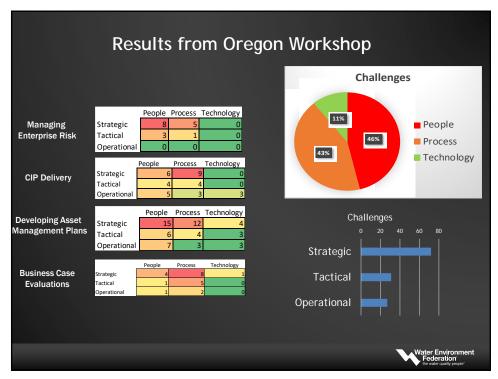


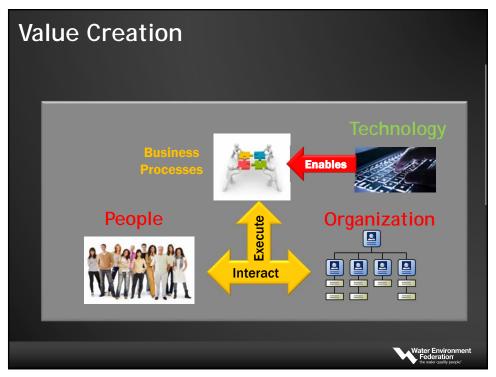


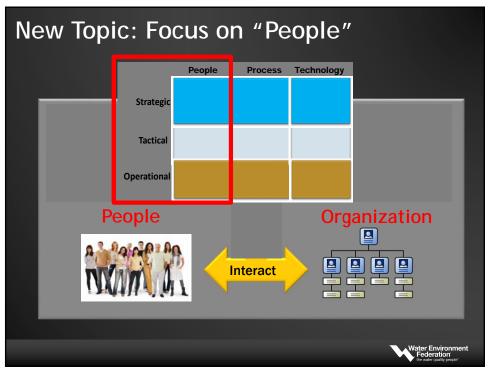




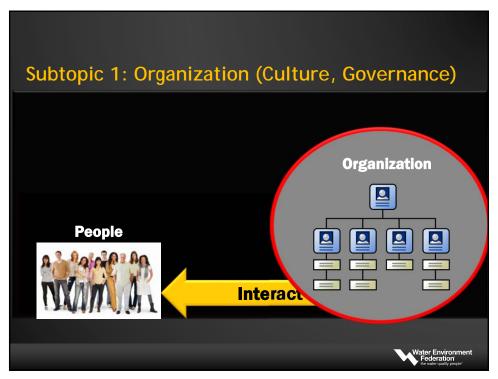


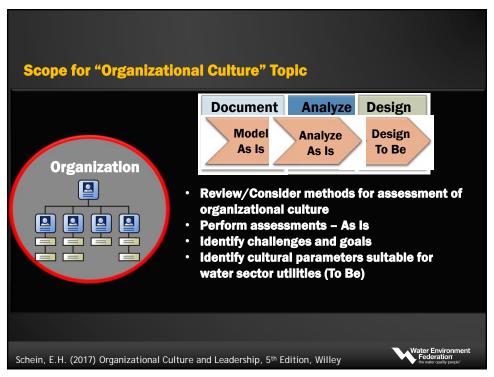




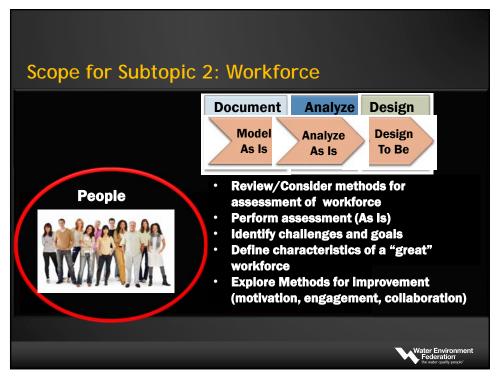


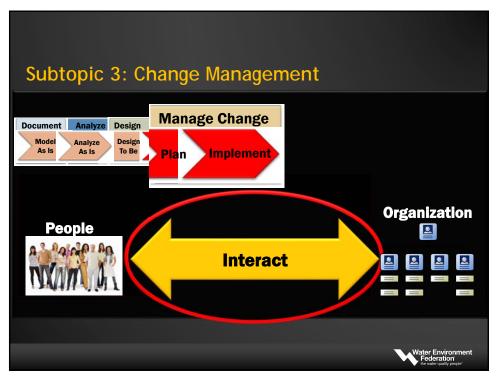


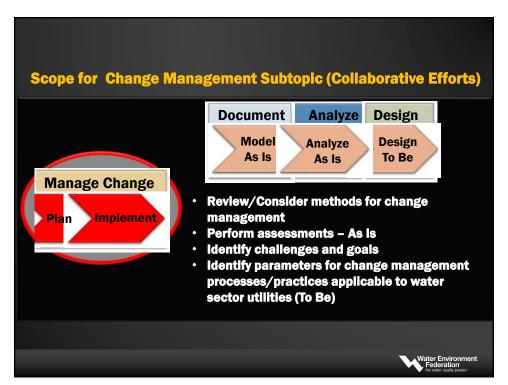


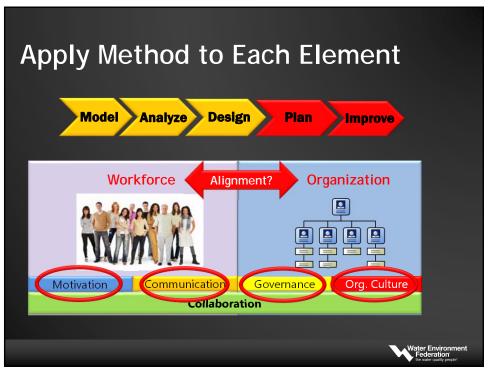


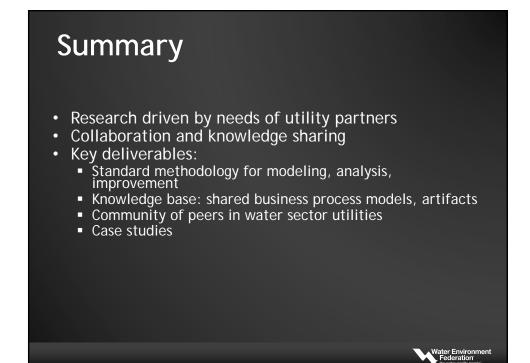












### How Can a Utility Participate?

- Track 1 (utilities work independently)
  - Document (model) their own business processes of interest Design and implement performance improvements Prepare and post case studies
- Track 2 (utilities join teams to work on specific topics)
  - Attend collaborative sessions (conference calls)

  - Attend workshops (UMC, WEFTEC)
    Prepare or review models for specific topics
    Post/share relevant artifacts

  - Collaborate on assigning metrics to business processes Design recommended processes for selected topics



69

## How Does a Utility Join UAIM?

- Contact Water Research Foundation
- Different Models of Participation



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