

# RECLAMATION

*Managing Water in the West*

**Reclamation Meeting on  
*Managing For Excellence*  
Breakout Session:  
Process and Tools to Determine “Go” or  
“No Go” for Major Repairs**

**Salt Lake City, UT  
September 19-20, 2006**



U.S. Department of the Interior  
Bureau of Reclamation

## **Functional Area: Major Repair Challenges**

### **Overall Objectives:**

- Sustainable Infrastructure
- Financial Viability For Water Users
- Customer Involvement
- Transparent Process

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## **Action Item 18: Develop Process or Measuring Tools to Determine Whether a Major Repair Project is Warranted**

### **Objectives:**

- Incorporate Transparency and Customer Involvement into the Process
- Determine if Tools are Adequate

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### **Tasks**

- Research Existing Process and Measuring Tools
- Seek Feedback (internal and external) on Effectiveness
- Evaluate Need for Additional Processes and Measuring Tools
- If Needed, Develop Additional Processes and Measuring Tools
- Submit Alternatives and Recommendations for Review

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## **Progress to Date**

- **Inventoried Existing Process and Tools**
- **Developed Process Emphasizing Customer Involvement and Transparency**
- **Completed Internal Outreach**
- **Completed Targeted External Outreach**

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## **Next Steps**

- **Obtain Broader Stakeholder Feedback**
- **Modify Process and/or Tools Based on Feedback**
- **Recommend Adoption of Process or Alternative**

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## Purpose of Breakout

- Present Proposed Process and Tools to Wide Range of Customers and Stakeholders
- Solicit Comments and/or Suggestions for Improvement

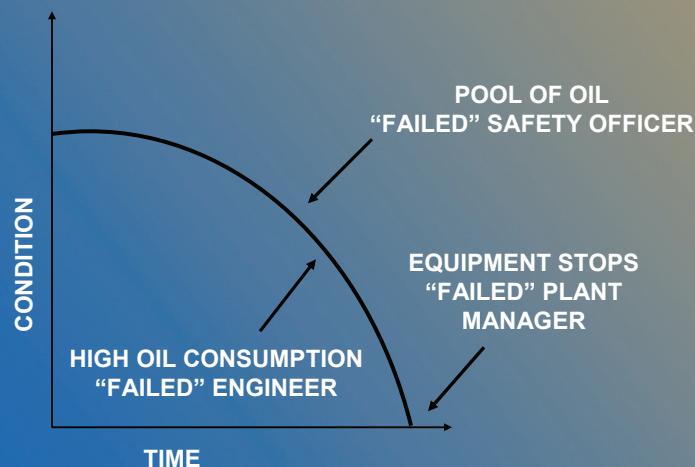
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## Definition

**Major Repair =**  
    **> 10% of O&M**  
    **or**  
    **> \$100,000**

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## Different Views of Performance



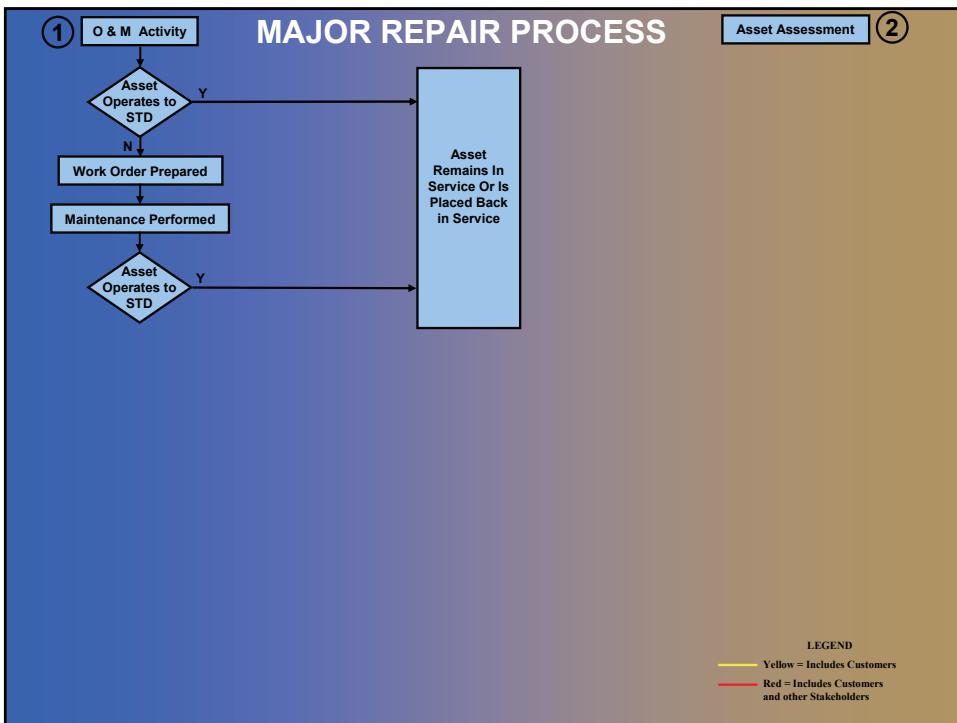
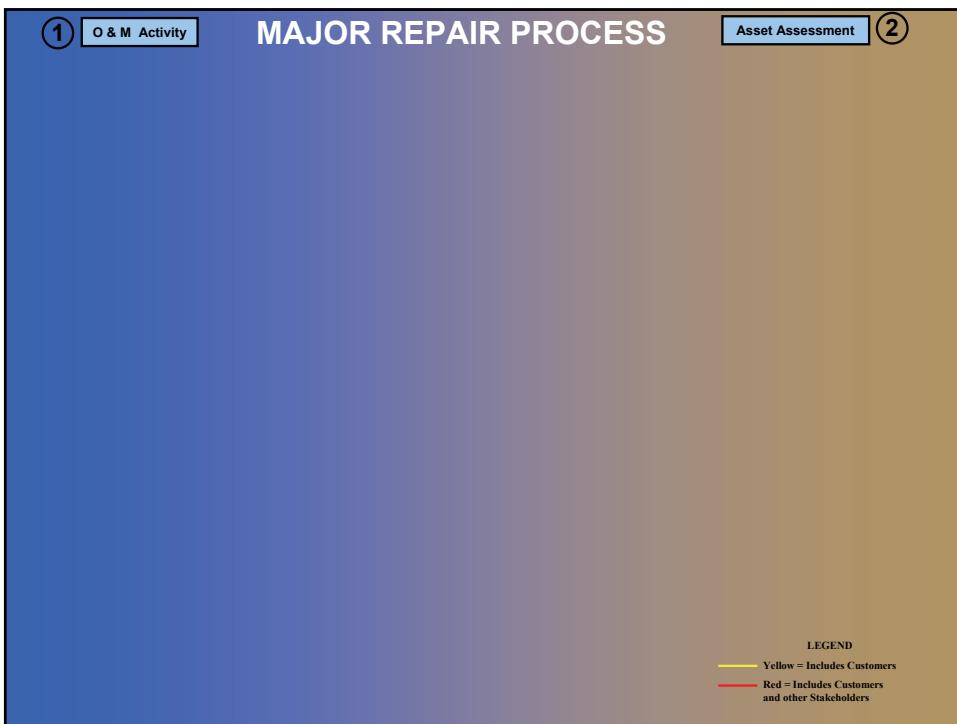
\* Source: Moubray, J. Reliability-centered Maintenance.  
New York, Industrial Press Inc., 1992.

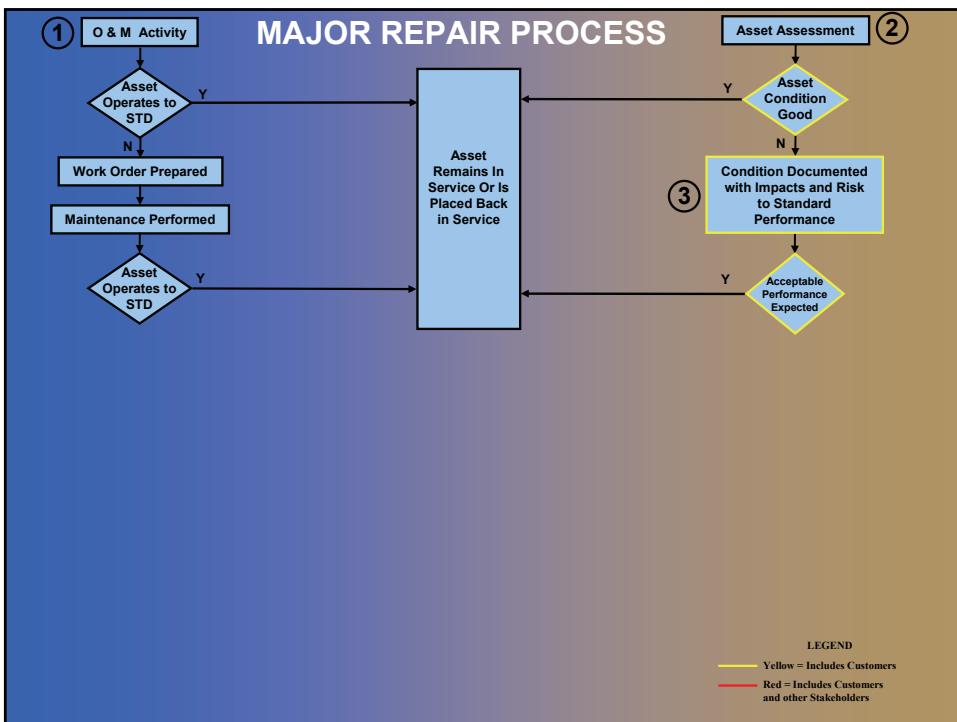
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## Postulate

- **Performance is the Primary Driver of Major Repairs**
  - Actual
  - Predicted

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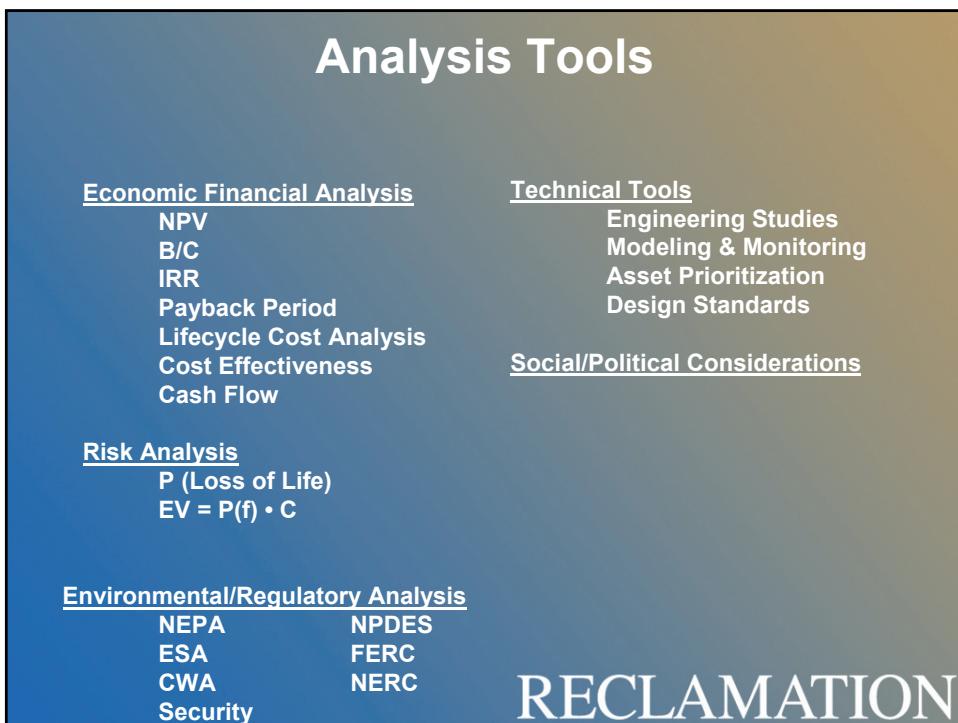
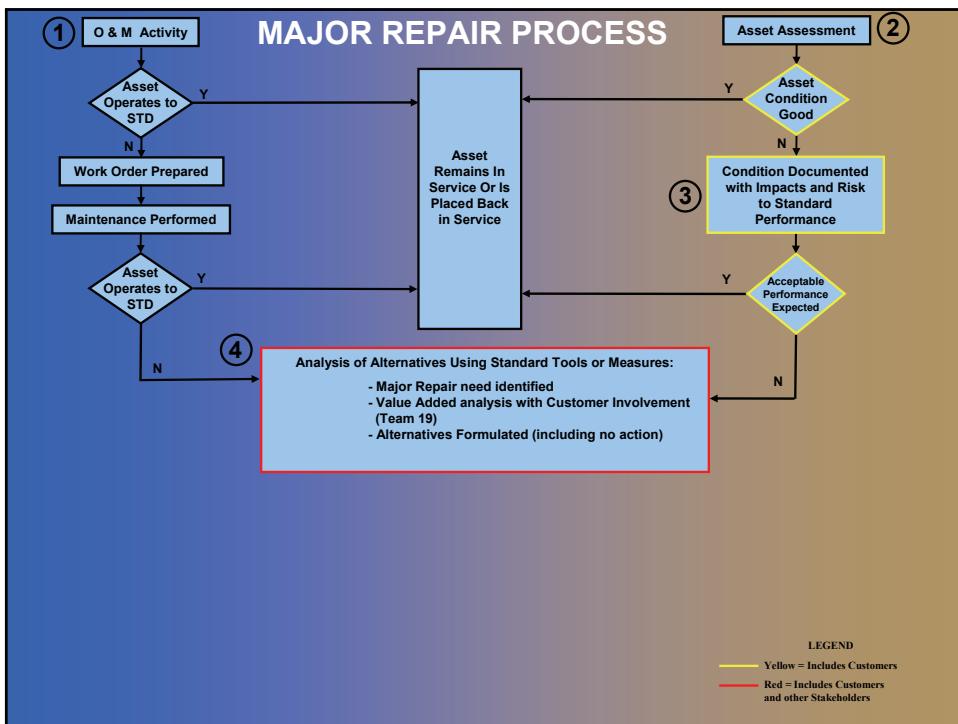


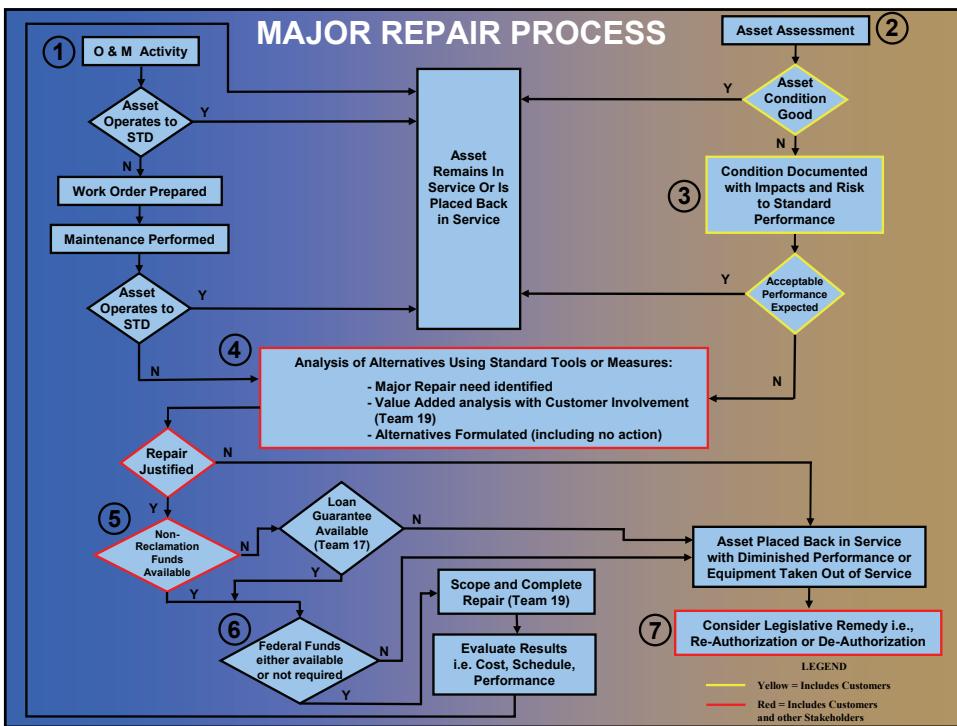


## Reviews for Predicted Performance

- Annual Facility O&M Reviews
- Periodic Facility Reviews
- Comprehensive Facility Reviews
- Associated Facility Reviews
- SEED & SOD Activities
- Monitoring & Instrumentation
- Customer Reviews
- Security Reviews
- Other Informal Reviews

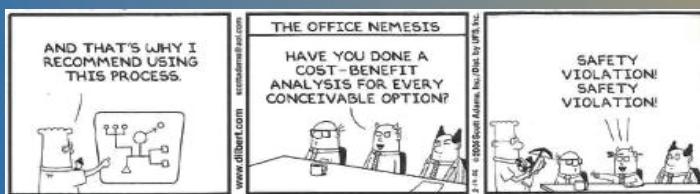
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## Managing for Excellence

### Questions?



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