



Asset Management Project Evaluation

BPU Study Session
March 19, 2015

Outline

▶ Asset Management

▶ Project Planning

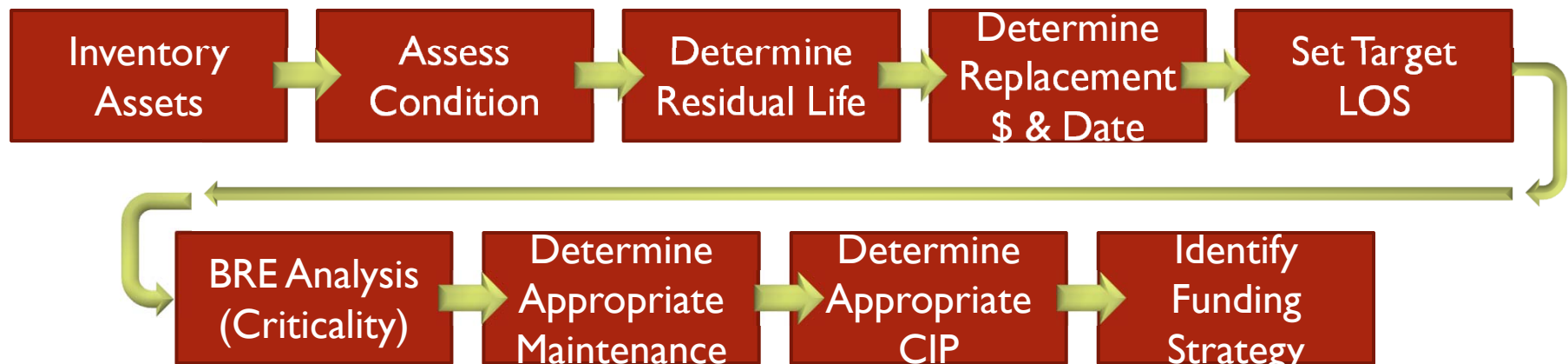
▶ Asset Scoring

▶ Levels of Service

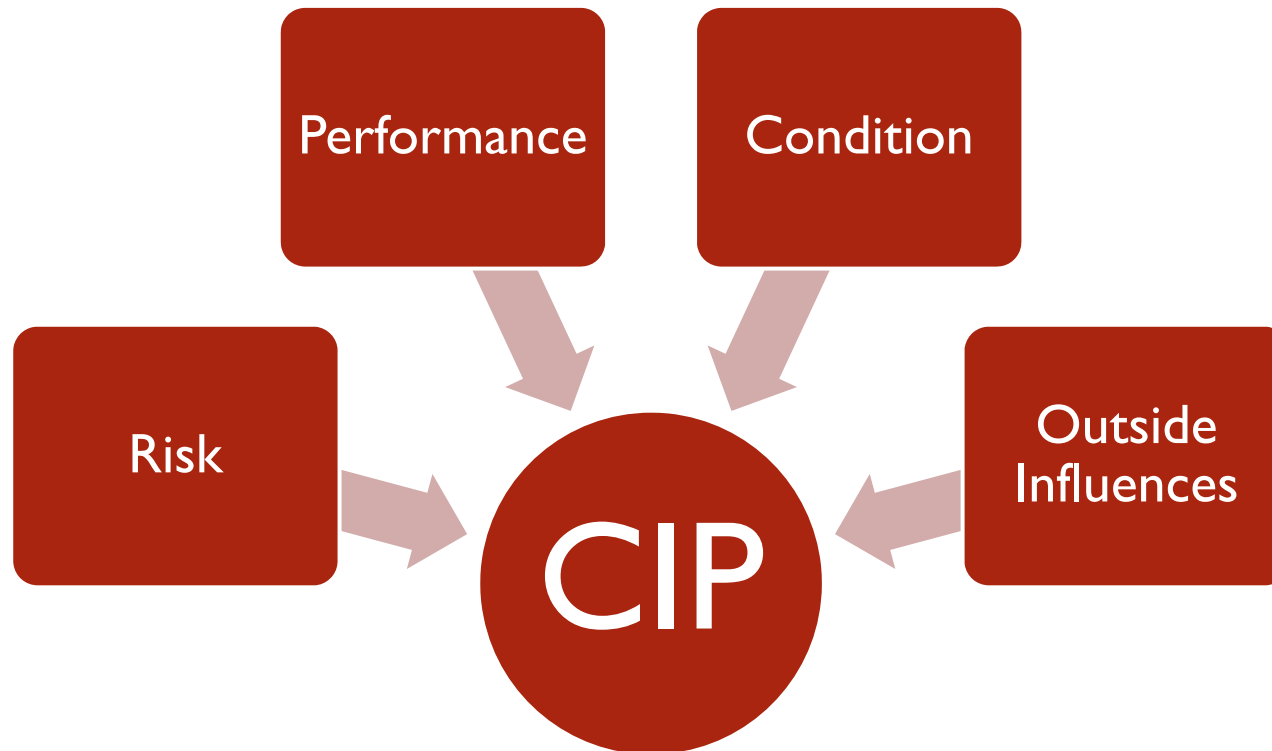
Why Asset Management?

- What work should our **operations and maintenance** crews be doing, where, and why?
- Which **capital projects** to undertake, when, and why?
- When to **repair**, when to **refurbish**, and when to **replace**?
- Goal is to give the **ratepayer** the **best value**

Asset Management Process



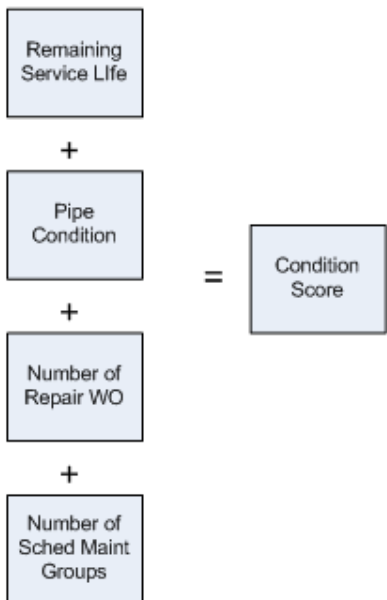
Project Planning - Assessment



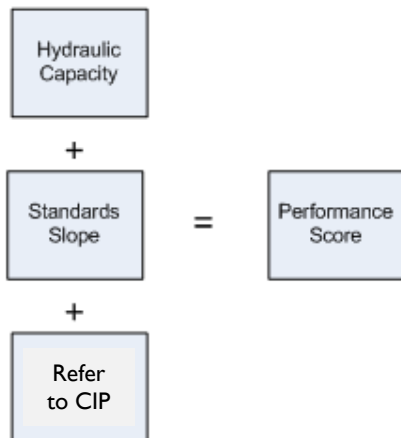
Pipe Scoring



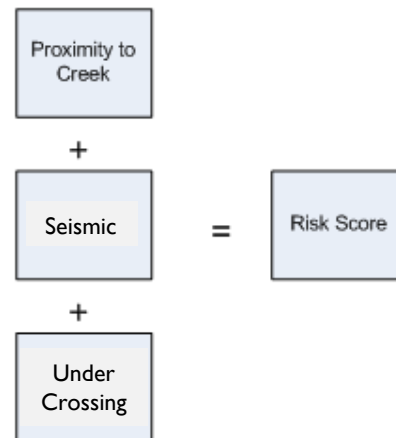
Condition



Performance



Risk



Total



Influence Factors

- Master Plans
- Field Crew Feedback
- Public Input
- Regulatory Requirements
- Legal Mandates
- Street Overlays
- VCP Replacement Program
- Proximity to Other Assets

Levels of Service (LOS)

Water: Satisfy fire flow standards and current service & planned development needs.

Sewer: Evaluate pipe capacity, wet weather detention and treatment capacity for peak wet weather flows.

Modeling: Hydraulic models calibrated using water system SCADA data and collection system flow meter data.



Questions?