North County Reclaimed Water Master Plan Improvements & Advanced Metering Infrastructure

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Master Plan Recommendations

Phase 1: Operational Improvements

Phase 2: Demand Management

Phase 3: Supply & Storage

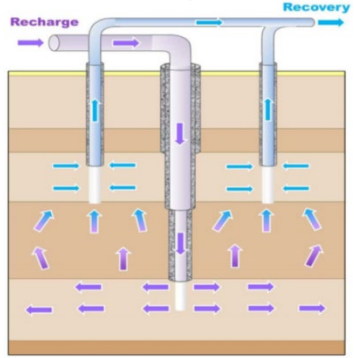
Pumps and Piping

Enhance existing supply capabilities

Reclaimed Water Meters

Education & billing

Aquifer Storage Recovery



Future demand planning

Improved Availability

Phase 1, 2 and 3 Progress Update

Phase 1: Operational Improvements

Current system enhancements under design Construction in FY23

Phase 2: Demand Management

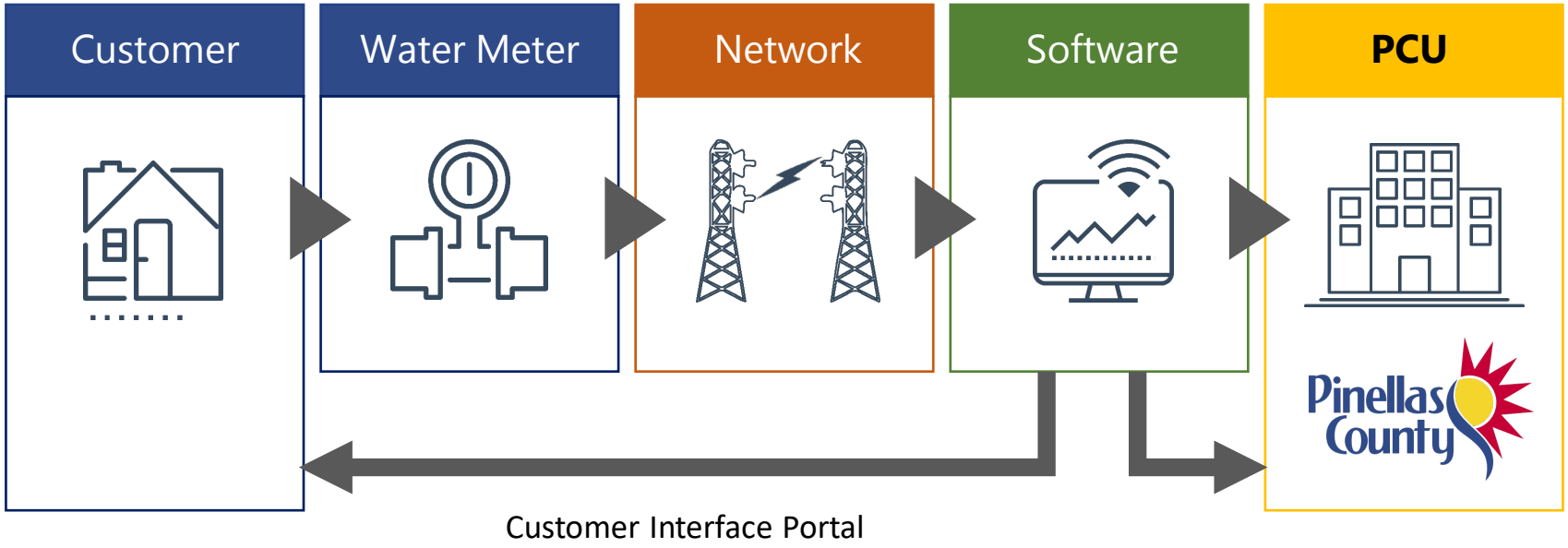
Advanced Meter Infrastructure (AMI) FY22-FY25

Phase 3: Supply and Storage

Aquifer Storage Recovery (ASR) FY21-FY26

Phase 2 Demand Management through AMI

How Advanced Metering Infrastructure (AMI) Works



AMI Benefits - Reclaimed Water

Monitoring and analyzing customer usage

Understand and address customers violating water restriction rules and educate heavy users

Remove staff from road and customer property

Shift overnight field staff into analysis and education roles

Charge for actual usage rather than unlimited usage

Customers can monitor their own usage avoiding overwatering

Current Drinking Water Meter Reading Process

80% of Meters are at the End of their Useful Life.

Manual Reading

Transposition of Numbers

60-Day Latency

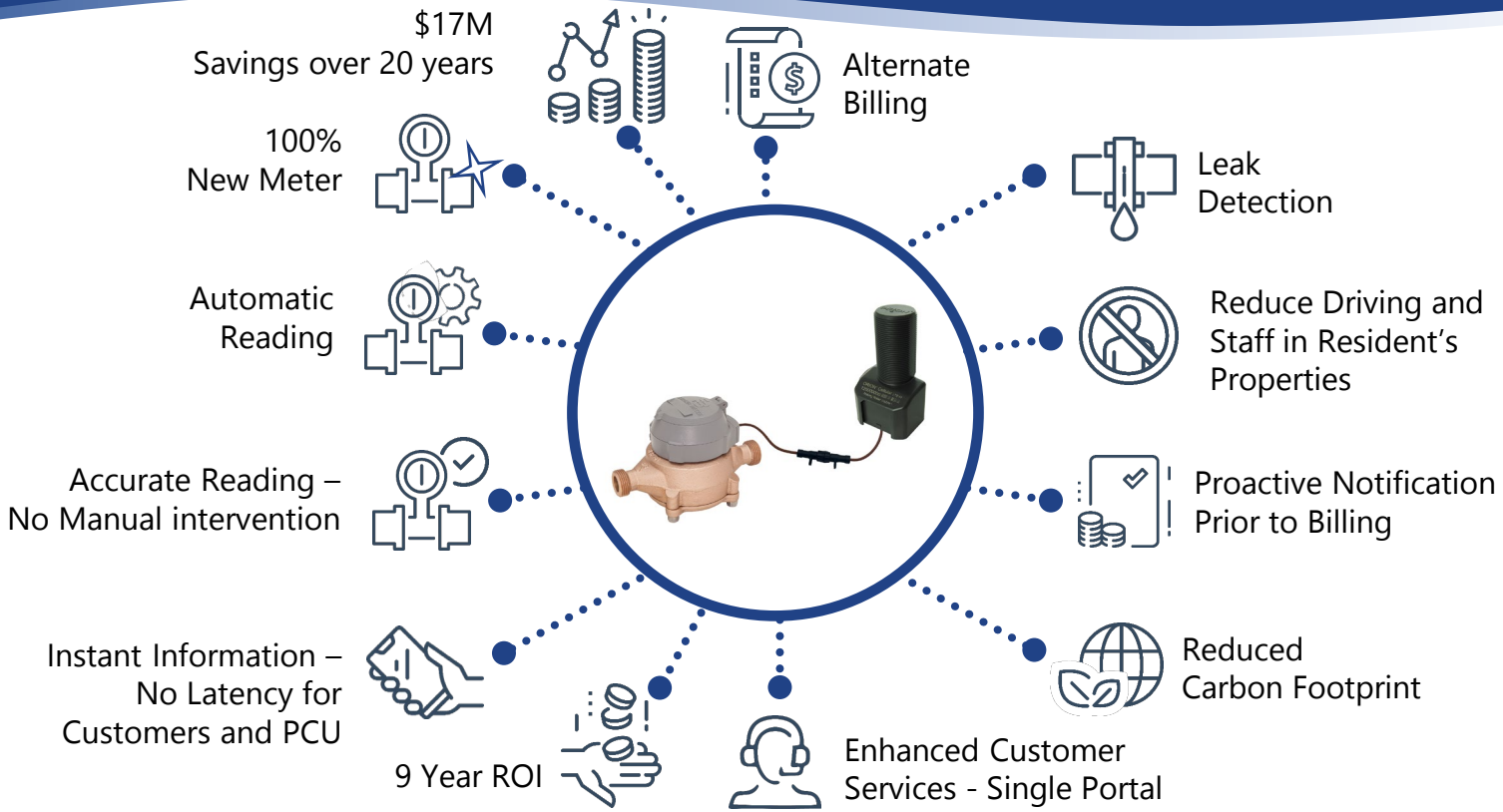
No Leak Detection

Driving/Safety Concern

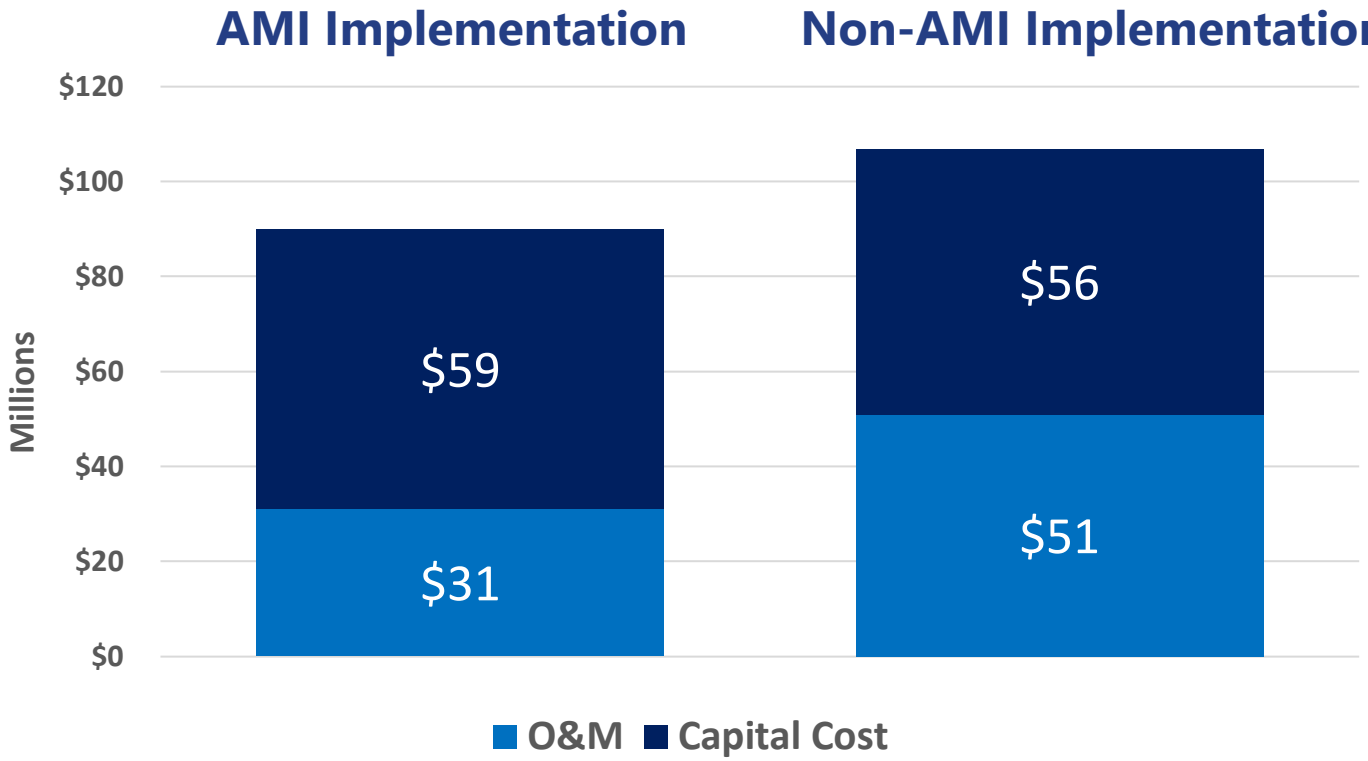
No Proactive Notifications

Carbon Footprint

AMI Benefits for Drinking Water

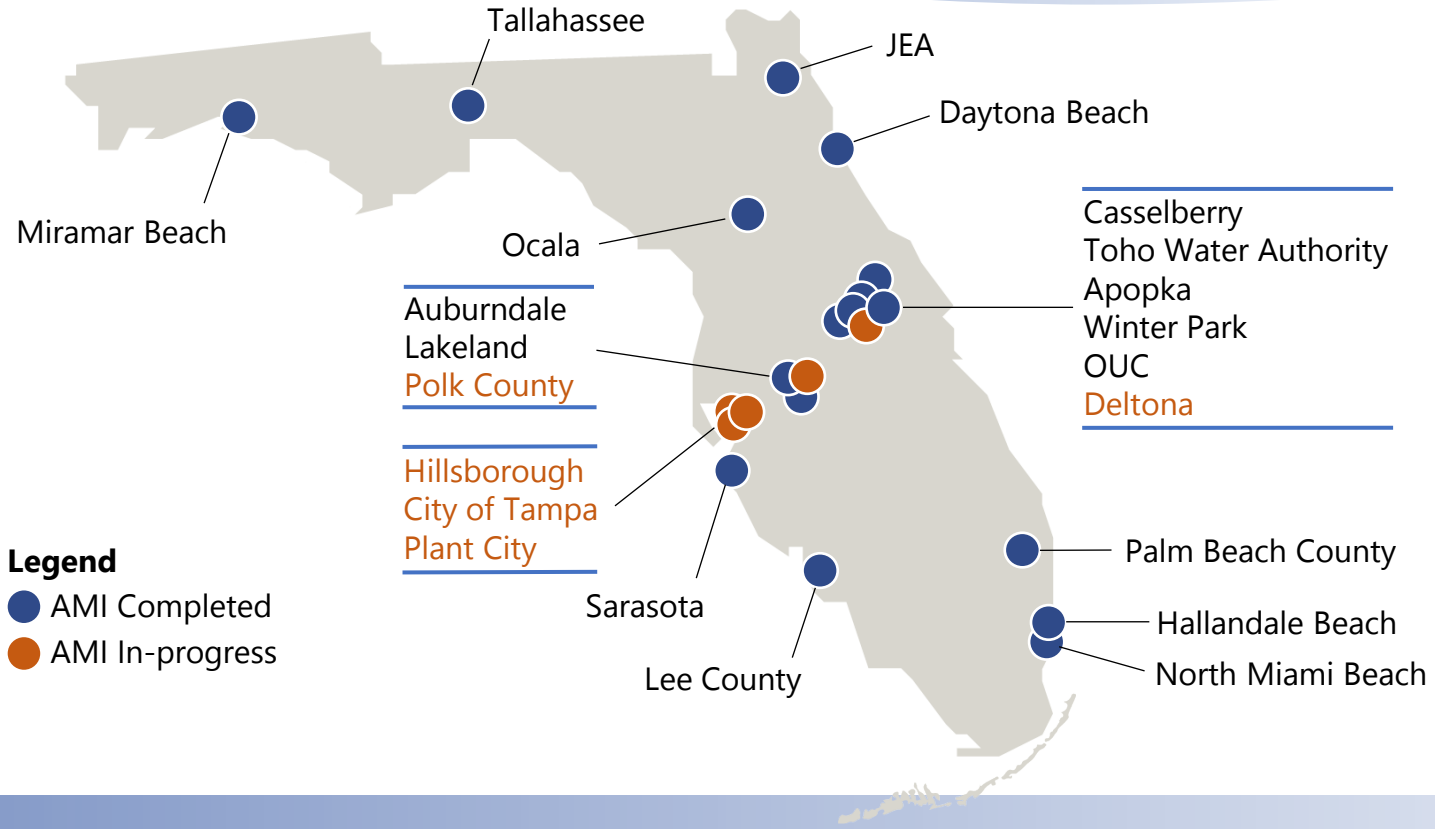


AMI Cost Savings

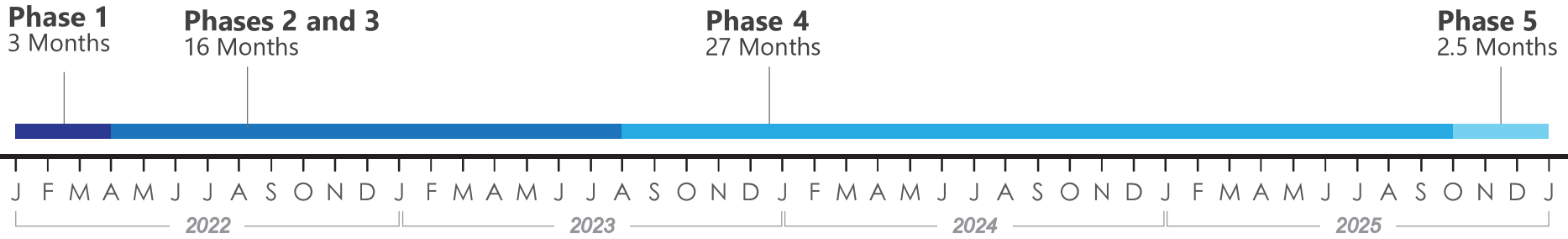


- $17 Million Savings
- 9-Year ROI

FL Water Utilities with AMI



Project Timeline



Phase 1: Integration Stage

Phase 2: Initial Proof of Concept Installation

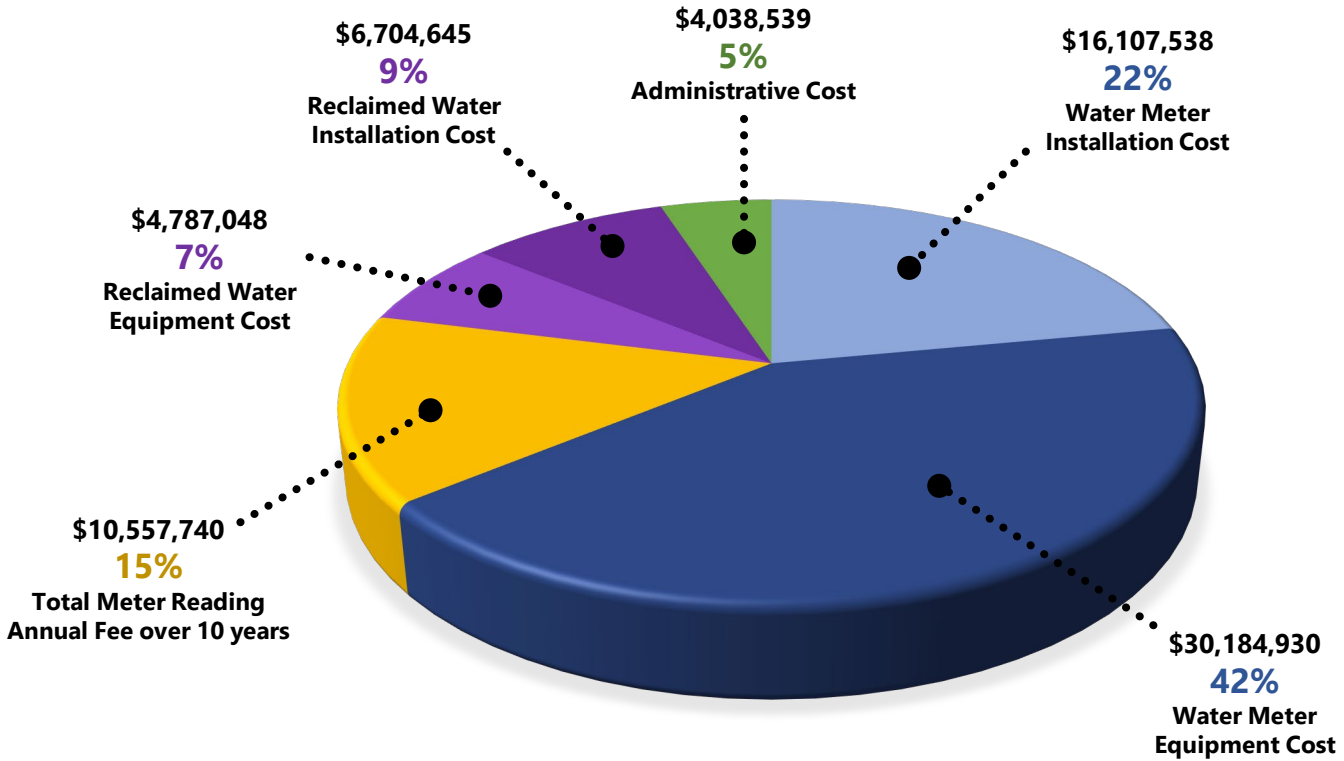
Phase 3: Initial Ramp Up of Installations

Phase 4: Full Installation Deployment

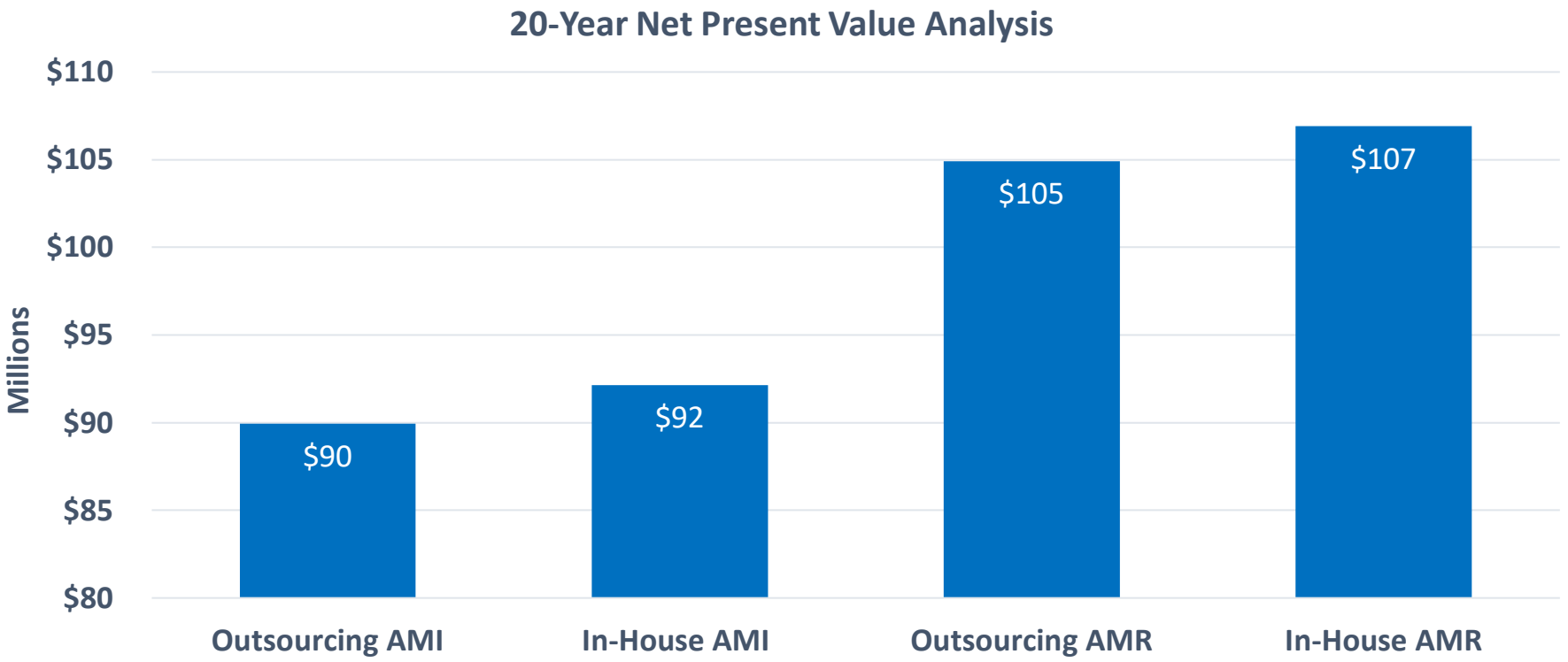
Phase 5: Final Project Cleanup

Estimated Cost Breakdown

- **Selected Vendor:** Badger Meter, Inc.
- **Estimated project total:** $72.3 million over 10 years
- **No. of meters:** 128,000



Analysis of Alternatives



Questions?