

Yucca Mountain's Bottom Line

The High Cost of Increased Public Safety

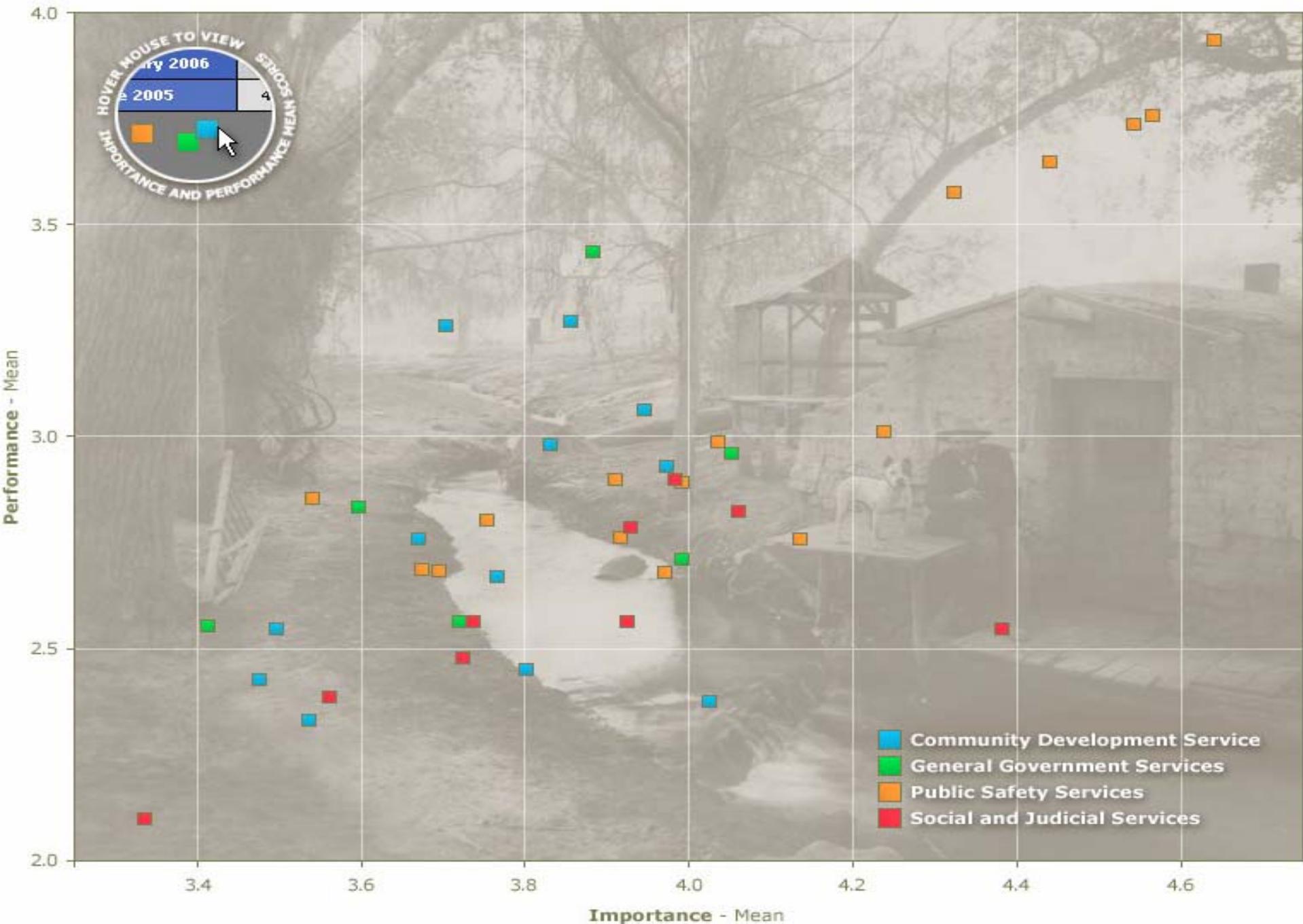
Background

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- Clark County, Nevada's Yucca Mountain oversight responsibility has included impact assessment since 1988.
 - Clark County's population 1.9 million, and increased by more than 90,000 during 2006.
 - Clark County's visitor volume is 42 million annually, and the region will add more than 40,000 new hotel rooms during the next five years.

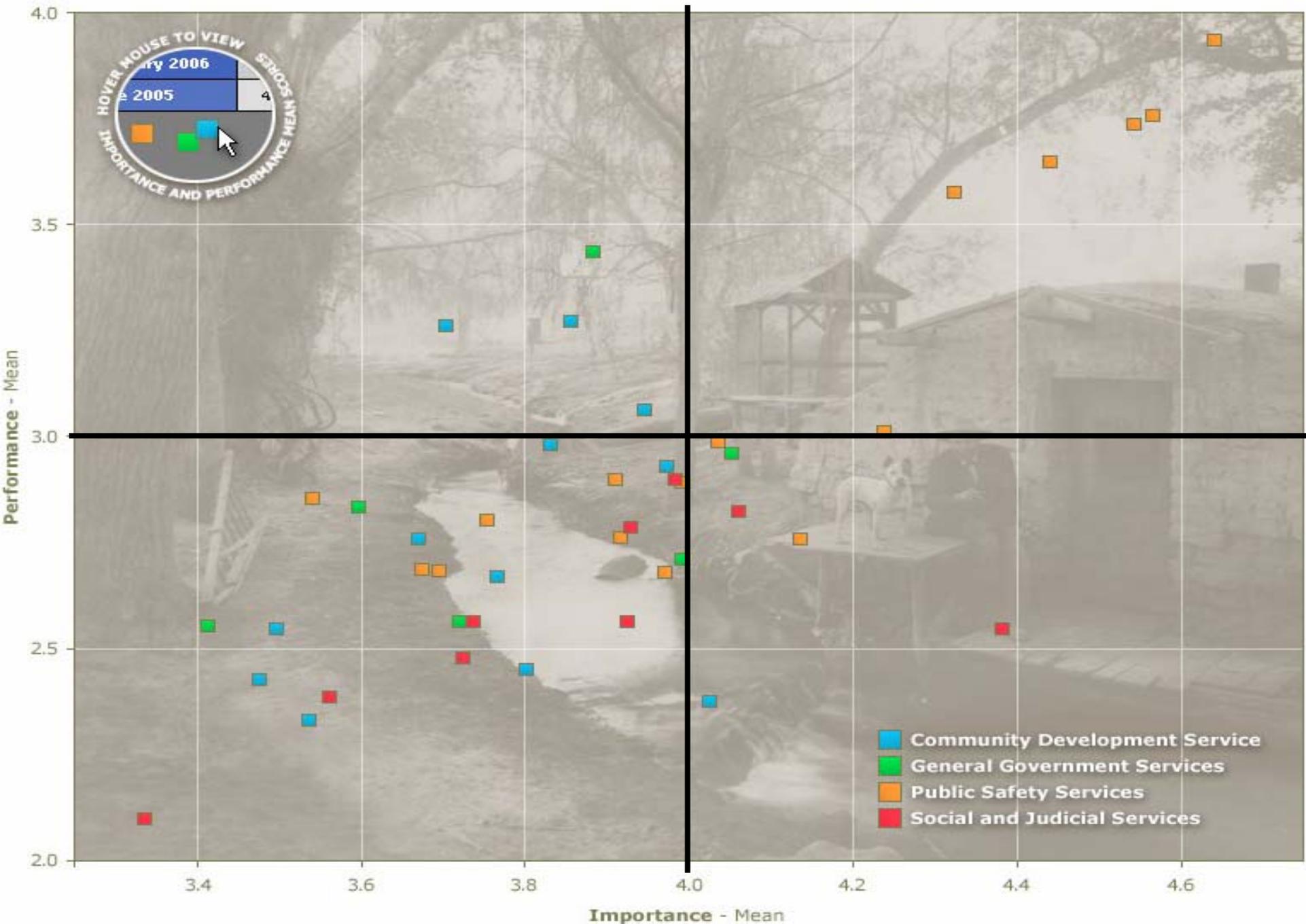
Background

- Public safety is a priority for both elected officials and the community at large.
- There is significant concern that high-level nuclear waste shipments destined for the proposed Yucca Mountain Nuclear Waste Repository will have significant impacts on all aspects of public safety.
- This is very likely the case for all communities along the transportation route.

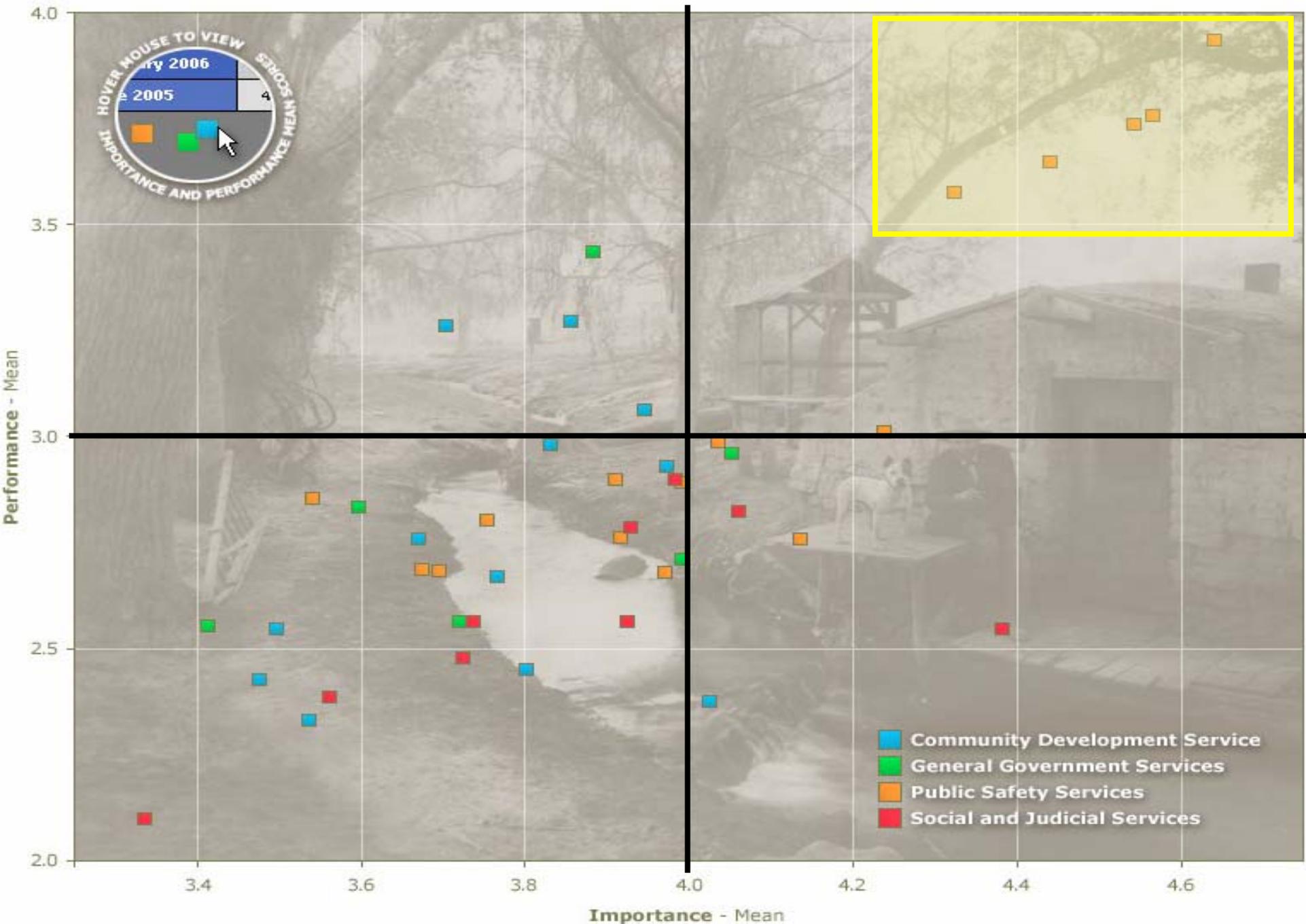
Clark County Monitoring Program Community Survey Matrix - July 2006



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Key Areas of Concern

- Accident Response
- Terrorism
- Training
- Public Awareness
- Facilities and Equipment

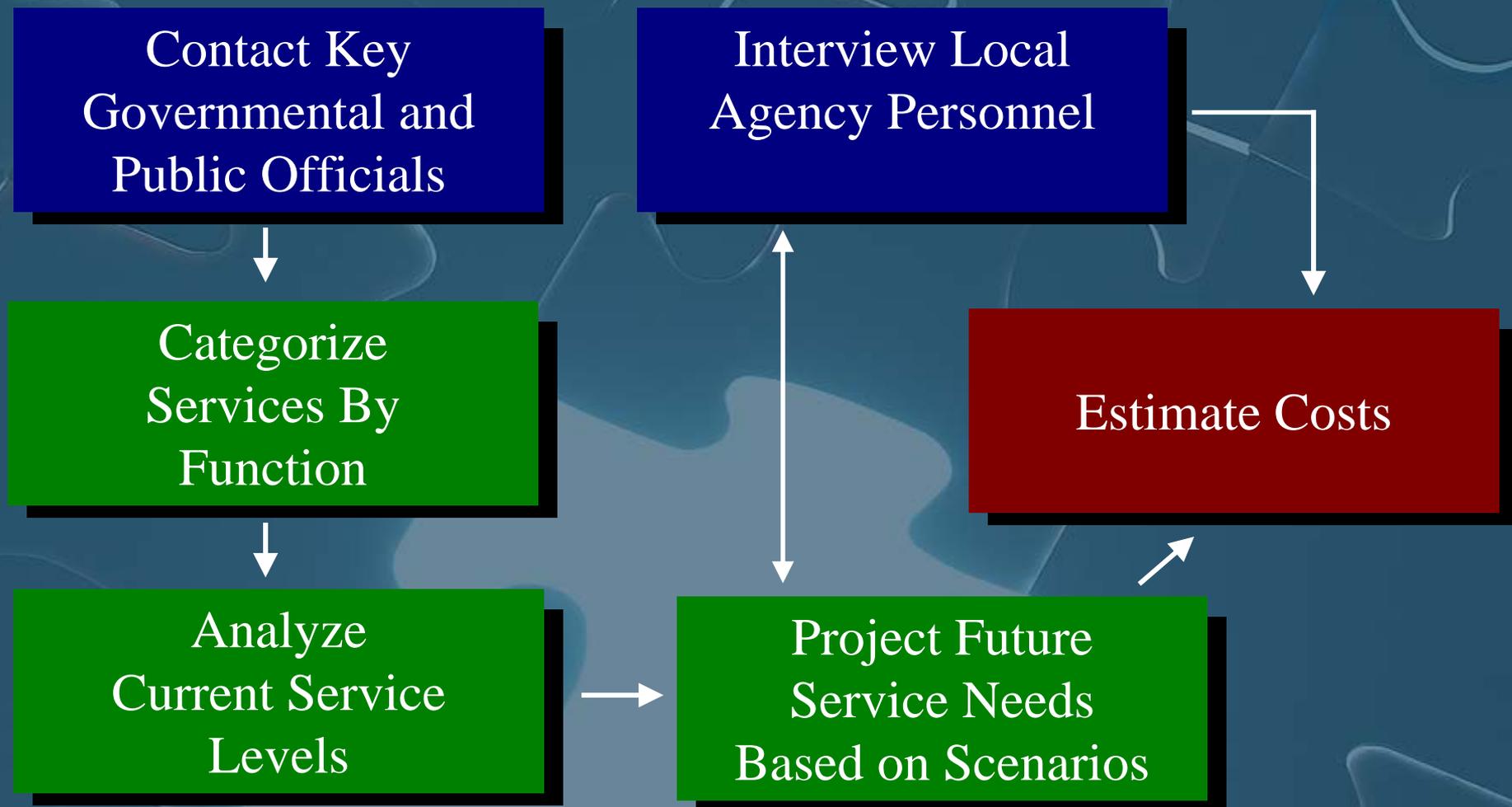




Key Assumptions

- Marginal costing approach is most appropriate
- Scenario-based analysis is appropriate
- Different communities will have different needs
- Local department heads and key personnel are the most knowledgeable in determining existing capacity and future service needs

General Approach





General Approach

- Marginal Costing
- Scenario Based
- Consistent with: Department of Homeland Security Urban Areas Securities Initiative Grant Program
- Expert Panel to Review Cost Estimates
 - Equipment
 - Training
 - Personnel

Scenarios

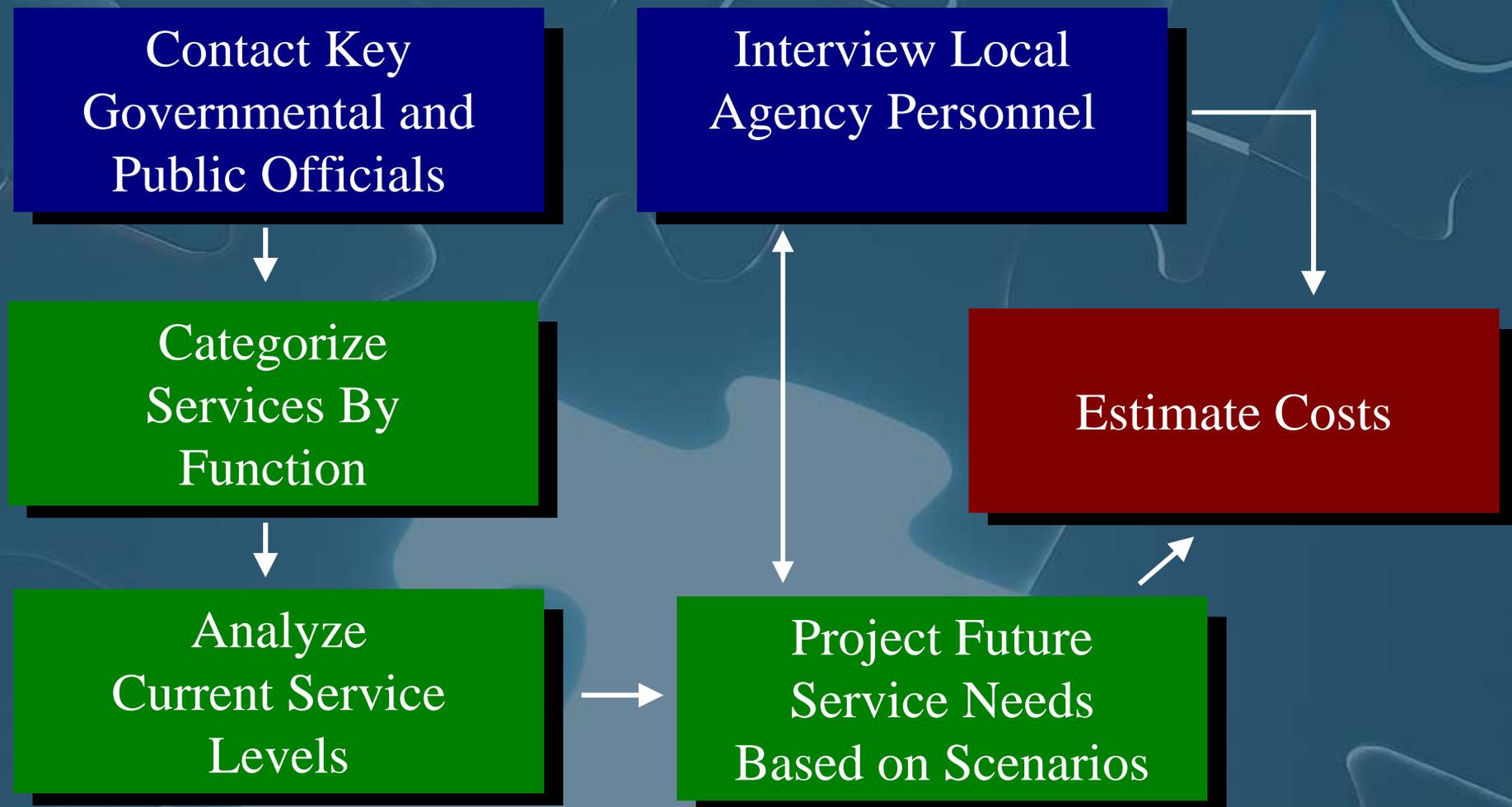
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- Truck Scenario (1)
 - Rail Scenarios (2)
 - Major Reasonable Foreseeable Accident
 - DOE's FEIS
 - A long duration high-temperature fire that would engulf a cask
 - Baltimore example
 - Establishes level of readiness
 - Accident Estimates
 - DOE
 - Truck (66)
 - Rail (8)
 - State of Nevada
 - Truck (5-6)
 - Rail (1-20)
 - Reflects a 24-year Campaign



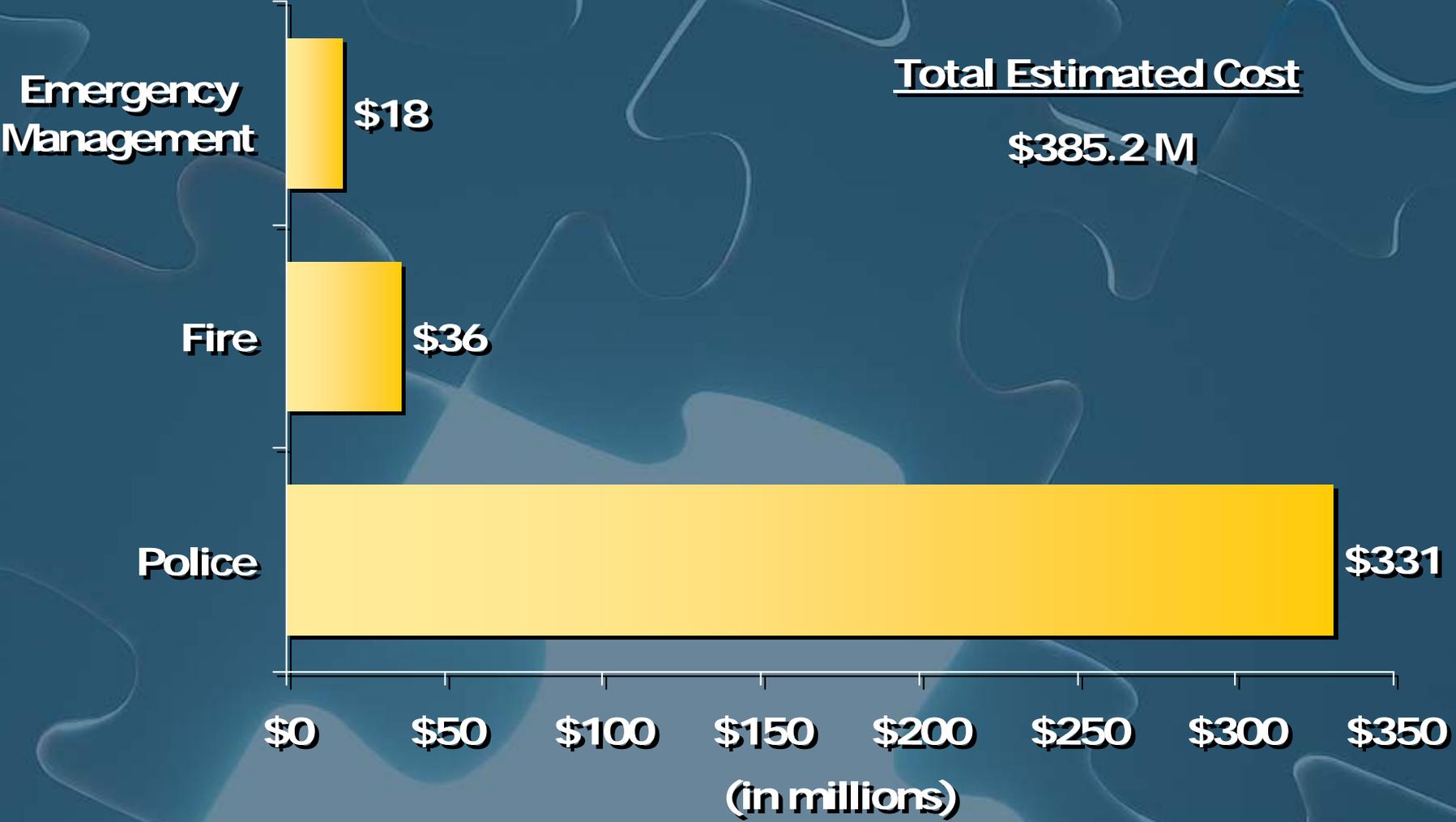
Fiscal Impact Assessment

- Survey & Model-based Assessment Process
- Basic Series of Questions:
 - How many personnel?
 - How many facilities?
 - How many hours of training?
- MS Excel Model Estimates of Actual Requirements
 - Standard equipment required per responder
 - Standard hours of training per responder
 - Standard cost for required equipment, personnel and facilities
 - Controls for unit distributions, etc.

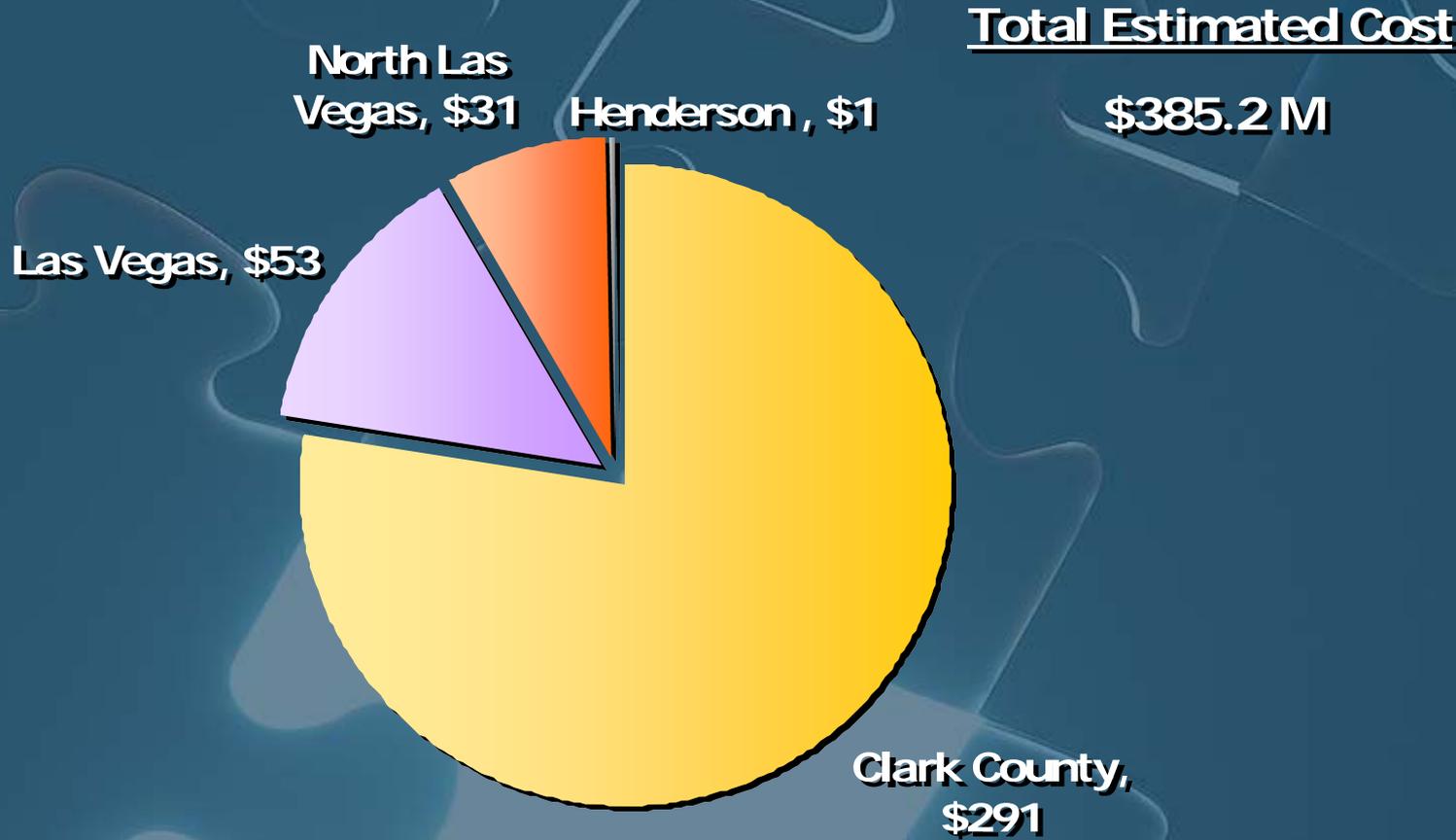
General Approach



Results



Results



Findings

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- Anticipated impacts are significant
 - NWPA 180(c) funds will not be sufficient
 - Homeland security funds are not guaranteed
 - Potential unfunded mandate for training, planning, operations not covered by 180(c)
 - Leveraging of regional resources (e.g., REOC) will be necessary to meet community requirements



Next Steps

- Continue to refine methodology/data
- Update transportation scenarios to reflect new DOE plans and decisions
- Update impact assessment to reflect refinements in data and scenarios
- Examine REOC feasibility
- Identify alternative funding sources for leveraging 180(c) shortfalls



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