

# Clark County Impact Assessment



Urban Environmental Research, LLC

## Goal

*“To continuously refine our knowledge of the potential socio-economic, fiscal, transportation, and public health and safety impacts of Yucca Mountain shipments and to utilize these findings to inform local residents and decision makers throughout Southern Nevada about these impacts.”*

## Approach

### Monitoring Program

#### Impact Measurement

- Indicators Indices
- Quarterly Community Impact Assessment Reports
- Annual Governmental Agency Updates
- Public Health & Safety, Economic, Fiscal, Quality of Life, and Transportation Impact Assessment Reports

#### Perceptions & Priorities

- Bi-annual Community Surveys
- Annual Business Survey
- Local Government Strategic Plan Reviews

3/2004

## Focus

- Public Health & Safety
- Economic & Fiscal Impacts
- Quality of Life
- Transportation\*

# Results To Date: Public Health & Safety

	<b>Prepare</b>	<b>Lifecycle</b>
Las Vegas	\$53,439,333	\$562,945,456
North Las Vegas	\$30,956,022	\$332,240,705
Henderson	\$730,498	\$21,869,011
Mesquite	\$8,790,051	\$248,927,998
Clark County	\$291,329,612	\$2,553,048,343
<b>TOTAL</b>	<b>\$385,245,516</b>	<b>\$3,719,031,513</b>

August 2005



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## Perception: Public Health & Safety

- 66% believe DOE can not be trusted to ensure the public's safety as it relates to HLNW transportation and storage.
- Public health and safety services are the most important local government service.
- The quality of fire and police services are ranked consistently high.

# Perception: Public Health & Safety

- Local governments are challenged to maintain response times and levels of service as a result of rapid growth.
- Local governments are struggling to provide 24-hour emergency trauma care (high/importance - low/performance).
- The public ranks local emergency response as “important” but scores the level of service as “average”.

## Next Steps: Public Health & Safety

- Regional Emergency Operations Center Study.
- Bring together national experts on best practices in regional emergency response (HAZMAT Explo – Nov 13 -17, 2006).
- Costs of public health & safety to resort industry.
- Refine scenarios incorporating air dispersion models.
- Deep dive aviation issues.
- Refine public safety model to develop unit costs.

# Regional Emergency Operations Center

- Legislative authority review.
- Comparative analysis of 6 regional emergency operations centers.
- Needs assessment of regional emergency response communications and interoperability.
- Assessment of Yucca Mountain project related costs.
- Preliminary assessment of Regional Emergency Operations Center fiscal costs.

3/2006



## Results To Date: Economic & Fiscal

	No Accident Scenario	Minor Accident Scenario	Major Accident Scenario
Business Property Values	.56 – 3.21%	4.0 – 7.39%	22.0 – 31.9%
Industrial Property Values	.56 – 1.25%	4.0 – 5.29%	21.3 – 25.5%
Residential Property Values	2.0 – 3.5%	6.18 – 7.96%	29.0 – 33.8%
Tourism Downturn	4.5 – 5.7%	10.0 – 15.0%	25.0 – 33.0%

6/2001; 6/2001; 8/2002

## Perception: Economic & Fiscal

- 83% of respondents indicated that having a HLNW transportation route near residential properties would negatively impact property values.
- Nuclear Waste transportation is viewed as having similar negative impacts on property values as landfills and polluting manufacturing facilities.
- Local governments are viewed as doing a good job in increasing job opportunities (69%) and improving the business climate (78.2%).

## Perception: Economic & Fiscal

- 68.6% believe business conditions in Clark County are good or excellent.
- 74.2% consider it important for local government to share their views about Yucca Mountain with federal decision makers.
- 69.9% believe that it is important to evaluate property value impacts from Yucca Mountain.
- 69.1% believe it is important to evaluate Yucca Mountain impacts on Southern Nevada's tourism sector.

## Next Steps: Fiscal & Economic

- Regional Emergency Operations Center Study
- Costs of public health & safety to resort industry
- Refine development and redevelopment impact and risk premium criteria
- Maintain annual strategic planning analysis and integrate into model.

## Results To Date: Quality of Life

- Experience at WIPP and other DOE facilities indicate likely unfunded mandates for local governments.
- Yucca Mountain has already been raised by investment analysts as a possible factor to be considered in establishing bond rates.

1/2001; 4/2006



# Perception: Quality of Life

- 71.4% oppose Yucca Mountain.
- More than 2/3 believe Yucca Mountain will negatively impact their quality of life.
- One in nine believe “stopping Yucca Mountain” is the most important thing that can be done to improve their quality of life.

2/2006



# Next Steps: Quality of Life

- Bi-annual survey
- Implement annual business survey

## Results To Date: Transportation

- Local public safety agencies indicate that there is insufficient information on hazardous and radiological material flows.
- Local public safety agencies are eager to be updated on a routine basis about “best practices” and evolving transportation regulations and practices.

Forthcoming 8/2006



## Results To Date: Transportation

- Real time air quality monitoring along transportation corridors is a weak link in current emergency response capacity.
- Some states have been more aggressive than Nevada in setting fees for hazardous and radiological shipments.

Forthcoming 8/2006



## Perception: Transportation

- 66% believe that DOE can not be trusted to safely ship and store HLNW.
- Rapid growth has left local government challenged to reduce traffic congestion and maintaining and improving road conditions. These services are “important” or “very important” to area residents but current service levels are ranked as only “average”.

## Next Steps: Transportation

- Commodity Flow Rail & Truck Study.
- Critical Infrastructure Study.
- Update State Laws Report Annually.
- Monitor TEC/NWTRB.
- Deep dive aviation issues.
- Integrate transportation impact assessment with local government transportation planning.