

# HAZUS-MH Loss Estimation

## Estimated Economic Loss (\$ Billions)

| Category               | Description           | Range       |
|------------------------|-----------------------|-------------|
| General Building Stock | Building Damage       | 0.20 - 0.60 |
|                        | Building Contents     | < 0.1       |
|                        | Business Interruption | 0.00 - 0.20 |
| Infrastructure         | Lifelines Damage      |             |
|                        | Total                 | 0.20 - 0.90 |

## Estimated Building Damage(Thousands of Buildings)

| Description | Residential | Commercial | Other | Total  |
|-------------|-------------|------------|-------|--------|
| Minor       | 4 - 19      | < 1.0      | < 1.0 | 4 - 19 |
| Major       | 0 - 2       | < 1.0      | < 1.0 | 0 - 2  |
| Total       | 5 - 20      | < 1.0      | < 1.0 | 5 - 20 |

## Estimated Casualties : Day Time

| Severity Level | Description      | # Persons |
|----------------|------------------|-----------|
| Level 1        | Medical Aid      | 150 - 600 |
| Level 2        | Hospital Care    | 40 - 170  |
| Level 3        | Life-threatening | 10 - 30   |
| Level 4        | Fatalities       | 10 - 50   |

## Estimated Shelter Needs

| Type                 | Households | People   |
|----------------------|------------|----------|
| Displaced Households | 200 - 800  |          |
| Public Shelter       |            | 50 - 190 |

Comments :

### Disclaimer:

The estimates of social and economic impacts contained in this report were produced using HAZUS loss estimation methodology software which is based on current scientific and engineering knowledge. There are uncertainties inherent in any loss estimation technique. Therefore, there may be significant differences between the modeled results contained in this report and the actual social and economic losses following a specific earthquake. These results can be improved by using enhanced inventory, geotechnical, and observed ground motion data.

## Earthquake Information

Location :

Origin Time:

Magnitude : 7.10

Epicenter Latitude/Longitude :

38.96 / -119.84

Depth & Type :0.00/S

Fault Name :

Carson Range fault

Maximum PGA : 1.00

Ground Motion /Attenuation : WUS

Shallow Crustal Event - Extensional

Information Sources:

Comments :

## Population and Building Exposure (2002 D&B) (2000 Census)

Population: 41,259

## Building Exposure : (\$ Millions)

|             |       |
|-------------|-------|
| Residential | 2,701 |
| Commerical  | 310   |
| Other       | 116   |
| Total       | 3,127 |

State:

Counties :

- Douglas,NV

Major Metro Area :