The societal benefits of the performance-based approach are not just wiser decisions about seismic objectives and design, but the design and construction of safer facilities and of more resilient infrastructure.

**Risk Management**
Evaluating options for managing risk & PEER development of loss models

**Results from the Van Nuys Testbed**

<table>
<thead>
<tr>
<th>Expected NPV/ (Structure)</th>
<th>Downtime</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Do nothing</td>
<td>$0</td>
<td>16 days</td>
</tr>
<tr>
<td>Moderate retrofit</td>
<td>$142,178</td>
<td>7.6 days</td>
</tr>
<tr>
<td>Extensive retrofit</td>
<td>-$61,319</td>
<td>3.2 days</td>
</tr>
</tbody>
</table>

**Decisions**
How organizations think about desired performance & decision considerations for PBEE

**Results from the UC Berkeley Testbed**

**How Decision Makers Confront Risk**

**Policy**
Societal and regulatory implications & PEER research on PBEE adoption and implementation

**Tri-Center collaboration in applying lessons from social science research**

**Promoting Seismic Safety**
Guidance for Advocates
FEMA 674 / September 2005

![Image of building](image-url)

**Lab hazard contents failure probabilities at three hazard levels demonstrate the impact of content losses on downtime**