

Evacuation Guidelines Mitigation & Education Subcommittee Action



National
Tsunami
Hazard
Mitigation
Program

Discussion

Tuesday 9:40-10:00 AM

Nat'l Academy of Sciences (NAS) Recommendations

The NTHMP should

- conduct evacuation modeling studies to assess the likelihood of successful horizontal evacuations.*
- reduce... disparities in... modeling approaches among states and territories...*
- conduct modeling efforts consistently across political boundaries...*

An MES priority milestone is

“Establish guidelines for evacuation modeling procedures so all at-risk communities can leverage the correct info for evacuating their populations.”

And

“Response procedures will include rapid and safe evacuation of people at risk, establishment of evacuation routes, assembly areas, evacuation areas, dissemination of current information, and attention for vulnerable populations and visitors.”

Also

“Decision support tools which will help emergency management officials understand their population composition and distribution to better attend, manage, and channel aid more effectively.”

Questions / Discussion

1. Do we need a Guideline document to explain how to apply existing evacuation analysis?
2. What evacuation modeling is out there? Inventory needed?
3. Do existing (e.g. USGS) research, analysis, reports, and tools currently address “evacuation modeling procedures”?
4. How can NTHMP (MES) ensure that various evacuation studies are applied effectively by emergency managers?
5. How can analysis be incorporated into emergency response plans (ERPs) and effectively aid better planning?
6. What can NTHMP (MES) do to standardize this analysis for the good of local emergency managers and consistency across states/territories?

Final Questions / Discussion

1. Should we start with an inventory of where these have been developed (states, territories, communities)? And where they are needed?
2. Are guidelines needed? What will they do?
3. How can they be achieved? Contract/Grant w/academic, scientists GIS experts, local pilot project?

Questions & Discussion (cont'd)

1. How can existing studies and methods be applied? For example
 - a. USGS evacuation modeling (agent based, road based, pedestrian, vehicular, multi-modal)
 - b. Given travel time, population characteristics, how do decision makers apply a decision support tool/model?

5. How can guidelines for digital mapping implementation be provided? For Example:
 - a. provision of pre-canned scenarios;
 - b. provision of enhanced info during response