

We are pleased and happy to release to you the *Real Time Evacuation Planning Model (RtePM)* Phase 2 Iteration 4. The new address for the web site is:

<http://128.244.170.12:8080/RTEPM/>

And, we have added the security of a user name and password requirement:

User name: rtepmnema

Password: nema123

Phase 2 Iteration 4 continues the addition of functionality that you have requested:

- Background traffic added to GUI and simulation engine
- Import/export of scenarios through the GUI using XML files
- Completely rewritten simulation engine for performance enhancements
- Performance improvements - anywhere from 30%-250% faster depending on the scenario being run
 - Using BlazeDS to fetch results
 - Incremental loading of simulation results instead of waiting until end to process
 - Various code performance improvements done while re-writing simulation
- Various GUI improvements:
 - Allow negative offset for evacuation zones
 - More obvious outline of population blocks; turn them translucent white when evacuated vs. completely clear to make it obvious where the evacuation zone was
 - Consistent handling of population numbers; the numbers displayed in the GUI should be consistent w/ total population numbers and seasonal population numbers
 - Allow the selection of evacuation areas using a “circle” – a center and a radius

Once you enter the site, all of our current documentation is located under the blue circle with the question mark. A Phase 2 Iteration 4 User’s Guide is located there. ***Please feel free to share this with your colleagues internally and externally. If you do share outside your organization, please send me an email with the name, organization and email address.***

What’s next?

Immediate Goals, based upon funding that will last until about February or March of 2012:

- *Completion of an advanced planning RtePM version for transition no later than 31 January 2012*

We are currently cataloging all of the comments received about the tool to date. Working with those comments, we will identify those that have the greatest benefit and include them in our work plan for this fall / early winter.

- *Work closely with USACE for the hosting of an advanced planning RtePM version*
Discussion has commenced with the USACE for hosting the tool. This has not been finalized, but initial efforts appear promising. The concept might be that they host and

utilize the tool internally for the first year and then allow outside access after that, providing the tool in a similar manner that we have provided the prototype.

Short Term Goals, dependent upon additional funding:

- *Pilot an advanced planning RtePM “widget” on local or state site*
The state of Florida has requested the opportunity to be the pilot location for this prototype. The concept is that the widget would be delivered to the local hardware and locally based data would be fed into the tool. Once the pilot prototype is developed it could be made available for those who desire to host it locally.
- *Research and development for version of RtePM that supports real-time operations*
This was the initial plan for the research and development of RtePM. The end user response was so great with the planning tool, DHS S&T directed us to continue work on it to meet the customers’ needs. The concept is that real time data, such as road traffic counters, cellular data, etc., is injected into the existing scenario and the tool re-calculates the evacuation clearance time. This can provide status updates on the ordered evacuation.

Your Assistance is Needed, Crucial!!!

The constraints imposed by our current funding level are noted above. To express your interest in the continuation of this project, for further developing the tool to include the ability to host it locally, and for research and development of the real time application, please consider notifying the following.

Letters, emails to: (all correspondence should clearly make reference to DHS S&T)
Any US Congressional people.

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Please consider joining the network: *Communities of Practice* sponsored by DHS, join the vUSA Community and post your comments of support on the wall there. Richard Butgereit of Florida has started a thread titled, "Support Needed for Real Time Evacuation Modeling Tool." <https://communities.firstresponder.gov/group/guest/home>

Please take the time to review the latest iteration of RtePM. If you have any questions, comments, input and feedback, we are very interesting in hearing from you. If you need any assistance with the access, please free to contact us.

Thanks,

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