Houston Regional Catastrophic Preparedness Initiative

Brief for Fort Bend County Coordination Council

Mel Batis

July 24, 2013
Goals of Presentation

• Introduce projects and programs supported by the Regional Catastrophic Preparedness Initiative

• Calendar of events

• True confessions of a regional planner
  – Things that have worked well
  – Lessons learned “the hard way”
  – Lessons we’re still learning
What is the RCPI?

- Federal grant (DHS-FEMA) designed to increase preparedness for catastrophic disasters in 10 urban areas in the U.S.
  - Boston
  - Bay Area (SF)
  - NY/NJ/CT/PA
  - Chicago
  - Los Angeles
  - National Capital Region
  - Hampton Roads
  - Puget Sound
  - Hawaii
  - Houston
What area do we support?

- H-GAC Region
- 167 municipalities
- Over 6 million people
- 12,313 sq. miles
- Between 2000-2010, ~25% growth
- Also includes Hardin, Jefferson & Orange Counties for pan flu
Who are our planning partners?

Regional Catastrophic Planning Team
- Urban Area Working Group leadership
- Private sector and non-profit partners
- 13 county and several city emergency management coordinators (+ 3 counties for pan flu)
- Advisory members from state and federal governments, universities, and SMEs

Planners (past and present)
- Program Management & Catastrophic Disaster Planners, City of Houston
- Catastrophic Disaster Planners, Harris County
- Mass Casualty & Mass Fatality Planners, Montgomery County Hospital District
- SETRAC

Contract support
What have we done?

**Plans and Templates Completed:**
- MACC Plan for H-GAC Region
- Coordination of Multiple Incident Sites CONOPS
- Search and Rescue CONOPS (IED & Hurricane)
- Regional No-Notice Medical Response Plan
- CMOC Plan, SOPs, and job aids
- Ambulance Operations Response Plan (AMOPS Plan)
- Volunteer Reception Center Plan Template
- Logistics Plan Template
- Regional Public Health Coordination Framework
- Jurisdictional Alternate Care Site Plan Template and Planning Guidance
- Jurisdictional Mass Fatality Response Plan Template
- Regional Epidemiology Coordination Plan
- Texas Medical Center Pandemic Influenza Planning Guide

**In Progress:**
- MACC SOPs and job aids
- Regional CONOPS for Mass Fatality Response

**Other**
- Regional MAA
- Preparedness programs:
  - Make the Call
  - Hide from the Wind
  - Active Shooter
- Planning support
- Risk Assessment
- Capability Assessment
- Scenario Development
- IED, Hurricane, Pan Flu
What have we done?

**Plans Completed or In Progress:**

- **ESF-5**
  - MACC Plan for H-GAC Region (Regional Catastrophic Coordination Plan)

- **ESF-5, 13**
  - Coordination of Multiple Incident Sites CONOPS

- **ESF-8**
  - Regional No-Notice Medical Response Plan
  - CMOC Plan, SOPs, and job aids
  - Ambulance Operations Response Plan (AMOPS Plan)
  - Regional Public Health Coordination Framework
  - Regional Planning Guidance for Alternate Care Sites
  - Regional Epidemiology Coordination Plan
  - Texas Medical Center Pandemic Influenza Planning Guide

- **ESF-9**
  - Search and Rescue CONOPS (IED & Hurricane)

- **ESF-2**
  - Regional LTE Broadband Communications Planning (FEMA Region VI)
What have we done?

**Templates:**
Volunteer Reception Center Plan Template
Logistics Plan Template
Operational Alternate Care Site Plan Template
Jurisdictional Mass Fatality Response Plan Template

**Other Products:**
Regional Mutual Aid Agreement
Preparedness programs:
  - Make the Call
  - Hide from the Wind
  - Active Shooter
Risk Assessment, Capability Assessment, and THIRA
Capability Models
Scenario Development
  - (IED, Hurricane, Pan Flu)
Capability Models

- Prioritized capabilities based on results of assessment (FY08)
- Contractor supported analysis for:
  - CBRNE
  - Counter-Terror Investigation and Law Enforcement
  - Explosive Device Response Operations
  - EOC Management
  - Emergency Public Safety and Security Response
  - Search and Rescue
  - Triage and Pre-Hospital Treatment
  - Volunteer and Donations Management
  - WMD/Hazmat
- Capability Models are requirements analyses for a given scenario
  - Takes scenario inputs, determines requirements, gives output of resources and associated cost
  - Use for planning as well as investment justification
# Capability Models

## Explosive Device Response Operations (EDRO)

### Houston-Galveston Area Resource Assessment

**City Bomb Squads**

<table>
<thead>
<tr>
<th>City</th>
<th>Population*</th>
<th>Op Cap</th>
<th>EFGs</th>
<th>Costs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Houston</td>
<td>2,242,193</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BARBS**</td>
<td>250,943</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deer Park</td>
<td>30,890</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* 2008 census estimate

**Al cities in the region except Houston and Deer Park participate in BARBS, a regional bomb squad based on MOUs.

**County Bomb Squads**

<table>
<thead>
<tr>
<th>County</th>
<th>Population*</th>
<th>Op Cap</th>
<th>EFGs</th>
<th>Costs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris**</td>
<td>1,491,138</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fort Bend</td>
<td>532,141</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Montgomery</td>
<td>429,956</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brazoria</td>
<td>301,444</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Galveston</td>
<td>288,239</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Liberty</td>
<td>75,333</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Walker</td>
<td>64,222</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wharton</td>
<td>40,791</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Matagorda</td>
<td>37,285</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Waller</td>
<td>35,955</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chambers</td>
<td>23,956</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Austin</td>
<td>28,851</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Colorado</td>
<td>20,734</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* July 1, 2008 census estimate

**Harris County’s stated population reflects the total population minus the population of cities included in modeling.

**Bomb Squads**

<table>
<thead>
<tr>
<th>Team Capability</th>
<th>City Bomb Squad</th>
<th>Type I Bomb Teams</th>
<th>Type II Bomb Teams</th>
<th>Type III Bomb Teams</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>3</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**Resource Requirements Based on Calculator**

**Team Capability**

<table>
<thead>
<tr>
<th>Team Capability</th>
<th>City Bomb Squad</th>
<th>Type I Bomb Teams</th>
<th>Type II Bomb Teams</th>
<th>Type III Bomb Teams</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>3</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**Regional requirement without mutual aid**

<table>
<thead>
<tr>
<th>Bomb Squads</th>
<th>Type I Bomb Teams</th>
<th>Type II Bomb Teams</th>
<th>Type III Bomb Teams</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>14</td>
<td>15</td>
<td>6</td>
</tr>
</tbody>
</table>
Capability Models

• Calculates requirements based on scenarios
• Allows end user to adjust scenario
• Compares requirement to current capability
• Provides cost estimate data to support investment justifications
## Capability Models

### Bomb Team Type I Equipment Costs

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Quantity</th>
<th>Comp Cost</th>
<th>#1 Initial</th>
<th>R-Cost</th>
<th>#2 Energy</th>
<th>#3 Operating</th>
<th>#4 Repair</th>
<th>#5 Upgrade</th>
<th>Annual Cost</th>
<th>Life</th>
</tr>
</thead>
<tbody>
<tr>
<td>EOD Response Vehicle</td>
<td>1</td>
<td>$226,000</td>
<td>$226,000</td>
<td>$15,000</td>
<td>$4,320</td>
<td>$1,200</td>
<td>$1,000</td>
<td>$0</td>
<td>$22,320</td>
<td>15</td>
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<tr>
<td>Binoculars</td>
<td>1</td>
<td>$2,500</td>
<td>$2,500</td>
<td>$167</td>
<td>$60</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$227</td>
<td>15</td>
</tr>
<tr>
<td>Optics, Thermal Imaging and/or Light Amplification (not r)</td>
<td>1</td>
<td>$8,890</td>
<td>$8,890</td>
<td>$889</td>
<td>$182</td>
<td>$0</td>
<td>$0</td>
<td>$1,300</td>
<td>$16,333</td>
<td>15</td>
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<tr>
<td>Robot, Large</td>
<td>1</td>
<td>$173,000</td>
<td>$173,000</td>
<td>$11,533</td>
<td>$100</td>
<td>$0</td>
<td>$1,300</td>
<td>$0</td>
<td>$4,000</td>
<td>10</td>
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<tr>
<td>Robot, Small</td>
<td>1</td>
<td>$93,000</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>15</td>
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<tr>
<td>Chemical Agent Monitor</td>
<td>1</td>
<td>$8,670</td>
<td>$8,670</td>
<td>$1,734</td>
<td>$77</td>
<td>$0</td>
<td>$100</td>
<td>$0</td>
<td>$1,905</td>
<td>5</td>
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<tr>
<td>Personal Radiation Detector (Pager)</td>
<td>1</td>
<td>$465</td>
<td>$465</td>
<td>$47</td>
<td>$10</td>
<td>$0</td>
<td>$50</td>
<td>$0</td>
<td>$107</td>
<td>10</td>
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<tr>
<td>Ballistic Helmets</td>
<td>2</td>
<td>$396</td>
<td>$792</td>
<td>$53</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$53</td>
<td>$53</td>
<td>16</td>
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<tr>
<td>Body Armor (TEV)</td>
<td>2</td>
<td>$382</td>
<td>$1,770</td>
<td>$354</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$354</td>
<td>$354</td>
<td>4</td>
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<tr>
<td>Clothing, Operational, and Specialized/Protective Gear (IE)</td>
<td>2</td>
<td>$720</td>
<td>$1,440</td>
<td>$480</td>
<td>$0</td>
<td>$0</td>
<td>$480</td>
<td>$0</td>
<td>$0</td>
<td>$480</td>
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<tr>
<td>CBRNE Containment Vessel</td>
<td>1</td>
<td>$279,000</td>
<td>$279,000</td>
<td>$18,600</td>
<td>$0</td>
<td>$240</td>
<td>$0</td>
<td>$18,600</td>
<td>$18,600</td>
<td>15</td>
</tr>
<tr>
<td>Distector, Pan (with expendable rounds)</td>
<td>1</td>
<td>$4,690</td>
<td>$4,690</td>
<td>$313</td>
<td>$200</td>
<td>$0</td>
<td>$0</td>
<td>$313</td>
<td>$313</td>
<td>16</td>
</tr>
<tr>
<td>Equipment, Hand Protection, IED/EOD</td>
<td>1</td>
<td>$3,000</td>
<td>$3,000</td>
<td>$0</td>
<td>$50</td>
<td>$0</td>
<td>$0</td>
<td>$50</td>
<td>$50</td>
<td>15</td>
</tr>
<tr>
<td>Equipment, Head and Face Protection, IED/EOD</td>
<td>1</td>
<td>$5,000</td>
<td>$5,000</td>
<td>$1,000</td>
<td>$0</td>
<td>$0</td>
<td>$1,000</td>
<td>$0</td>
<td>$1,000</td>
<td>16</td>
</tr>
<tr>
<td>EOD Bomb Suit</td>
<td>1</td>
<td>$15,000</td>
<td>$15,000</td>
<td>$3,000</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$3,000</td>
<td>$3,000</td>
<td>5</td>
</tr>
<tr>
<td>EOD Comm System</td>
<td>1</td>
<td>$2,600</td>
<td>$2,600</td>
<td>$520</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$520</td>
<td>$520</td>
<td>5</td>
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<tr>
<td>EOD Tech Tool Kit</td>
<td>1</td>
<td>$1,340</td>
<td>$1,340</td>
<td>$59</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$59</td>
<td>$59</td>
<td>15</td>
</tr>
<tr>
<td>Kit, Fiber Optic (not required)</td>
<td>1</td>
<td>$8,130</td>
<td>$8,130</td>
<td>$813</td>
<td>$0</td>
<td>$500</td>
<td>$0</td>
<td>$500</td>
<td>$500</td>
<td>10</td>
</tr>
<tr>
<td>Team Supplies (per year)</td>
<td>1</td>
<td>$50</td>
<td>$50</td>
<td>$0</td>
<td>$50</td>
<td>$0</td>
<td>$0</td>
<td>$50</td>
<td>$50</td>
<td>1</td>
</tr>
<tr>
<td>Suit, “Search”, Improvised Explosive Device/Explosive O</td>
<td>1</td>
<td>$6,550</td>
<td>$6,550</td>
<td>$3,130</td>
<td>$0</td>
<td>$50</td>
<td>$50</td>
<td>$3,130</td>
<td>5</td>
<td></td>
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<tr>
<td>X-Ray Unit, Portable or Transportable</td>
<td>1</td>
<td>$29,500</td>
<td>$29,500</td>
<td>$2,950</td>
<td>$0</td>
<td>$250</td>
<td>$0</td>
<td>$2,950</td>
<td>$2,950</td>
<td>15</td>
</tr>
<tr>
<td>Hardware, Computer, Integrated</td>
<td>1</td>
<td>$14,100</td>
<td>$14,100</td>
<td>$4,700</td>
<td>$0</td>
<td>$480</td>
<td>$0</td>
<td>$480</td>
<td>$480</td>
<td>3</td>
</tr>
<tr>
<td>EOD Body Cooling System</td>
<td>2</td>
<td>$355</td>
<td>$1,910</td>
<td>$382</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$382</td>
<td>$382</td>
<td>2</td>
</tr>
<tr>
<td>SCBA 30, 45, 60 Min &amp; Retreaters</td>
<td>2</td>
<td>$4,800</td>
<td>$9,600</td>
<td>$1,920</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$1,920</td>
<td>$1,920</td>
<td>5</td>
</tr>
<tr>
<td>Undergarment, Non-Flame-Resistant (cotton)</td>
<td>2</td>
<td>$35</td>
<td>$70</td>
<td>$23</td>
<td>$0</td>
<td>$0</td>
<td>$23</td>
<td>$0</td>
<td>$23</td>
<td>3</td>
</tr>
</tbody>
</table>

Initial Cost of All Equipment: $800,317
Sustainment: $19,943

Annual Equipment Cost: $385,880
Annual Personnel Cost: $175,000
Annual Training Cost: $7,273
Total Annual Investment Required: $268,153
What is next for the program?

• Training and exercises!
• Community preparedness planning
  – Inventory, gaps, priorities, solutions
• Strategic & Sustainment Planning
  – Tie to existing strategic plans (e.g., Urban Area Homeland Security Strategy)
What is next for the program?

• Training on RCPI Plans:
  – Training for ESF 8/Public Health
    • July 25 from 12:30 – 3:30 at HCPHES
  – Training for ESF 4/9/13 (Fire, SAR, Law Enforcement)
    • August 2 from 1:00 – 4:00 at H-GAC
What is next for the program?

• Exercises on RCPI Plans:
  – MACC Tabletop
    • July 30 from 8:30 – 12:30 at HCDE
  – SAR/AMOPS/Coordination of Multiple Incident Sites
    • September 17 from 8:30 – 12:30 at HCDE
  – CMOC/MACC Integration Exercise (TTX)
    • January 30, 2014 (Time and Location TBD)
“True confessions of a regional planner” – things that have worked

• Build on momentum of exercises and real-world events (Ike, H1N1, Aurora)
• Taking advantage of as much free stuff as possible (Technical Assistance, Training)
• Branding the initiative
• Taking meetings on the road
• Borrow from trusted partners
“True Confessions” – lessons learned the hard way

• Ask questions
  – The quiet people in the room probably have the same one

• Planners typically don’t have the answers
  – Admit when you don’t know the answer
  – Find out who does
  – Don’t be afraid to write something down that might not be quite right; your partners will help you get there

• Err on the side of inclusion
  – If the room is too small, find a bigger one
  – Make meetings accessible
“True Confessions” – lessons we are still learning...

- “Owning” plans – what does it mean?
- Identifying ranges of solutions to problems; avoid cookie-cutter approach
- All-hazards/capabilities-based planning vs. scenario-driven approach to planning
- Effectively linking plans
  - Public Health, CMOC, MACC, etc.
THANK YOU!

• Questions?

• Contact:
  Mel Bartis
  melanie.bartis@houstontx.gov
  832-393-0917
The Houston Regional Catastrophic Preparedness Initiative (RCPI) has developed numerous plans, tools, and other support products under the leadership of our Regional Catastrophic Planning Team (RCPT). The FY 2008 program focused on hurricane and multiple improvised explosive device (IED) attack scenarios. For more information about these products, please contact Mel Bartis at melanie.bartis@houstontx.gov or Julei Kim at julei.kim@houstontx.gov.

**Developing a Planning Baseline**

The Houston RCPT and support team developed the following reports and tools to establish our planning baseline.

- Capability Assessment Report (for each jurisdiction and for the region & an accompanying database)
- Regional Planning Gaps: A synthesis report of capability assessment data
- Risk Analysis Report (using Digital Sandbox)
- Technology Inventory: A look at the technologies that support regional catastrophic planning
- Greater Houston Area Non-Profit Involvement in Disaster Preparation, Response, and Recovery
- Using Real-World Events to Inform Capability-Based Planning: A reconstruction of Hurricane Ike and the Oklahoma City Bombing
- Using Modeling and Analysis to Inform Scenario-Based Planning: The impact of a Category 5 hurricane and a multiple IED attack on the Houston-Galveston region

**Building Local Capabilities**

**Technical Assistance:**
Under this program, we have received Technical Assistance from DHS/FEMA*

- Continuity of Operations (COOP) for jurisdictions and non-profit organizations
- EOC Management
- Disaster Recovery
- Mutual Aid Agreements
- Mass Casualty/Mass Fatality Planning

**Support Projects:**

- COOP Planning for jurisdictions with significant risk
- Community preparedness projects (Make the Call DVD; Storm Risk Calculator)
- Regional healthcare planning support
- Additional risk assessment support

*Deliveries spanned multiple fiscal years.

**Identifying & Quantifying Gaps**

The Houston RCPT developed capability models to assist our region with identifying and prioritizing resources needed to respond to catastrophic scenarios. Capabilities analyzed include:

- Explosive Device & Response Operations
- Multi-Agency Coordination/EOC Management
- Emergency Triage and Pre-Hospital Treatment
- Search and Rescue
- Counter-Terror Investigation & Law Enforcement
- WMD & Hazardous Materials Response & Decontamination
- CBRNE Detection
- Emergency Public Safety & Security Response
- Volunteer Management & Donations

Each report describes the model used to generate requirements based on one or both of the scenarios. The report then compares these requirements to current capability levels, generating a clear picture of regional gaps. These reports help the region determine where future emergency preparedness investments may be directed, identify where more MOAs/MOUs may be needed, and anticipate the need for state and federal assets in light of a catastrophic event.

**Developing & Enhancing Plans**

After the RCPT identified key gaps, over 100 local, regional, state, and federal partners convened for several planning workshops in January and February 2010. In these workshops, response Concepts of Operations (CONOPS) for critical functions were outlined (corresponding scenario in parentheses):

- Search and Rescue (hurricane and IED)
- Regional No-notice Medical Response (IED)
- Activation of a Family Assistance Center (IED primary, hurricane secondary)
- Coordination of Multiple Incident Sites (IED)

In a parallel effort, our region revised and adopted the Regional Catastrophic Coordination Plan (RCCP), which outlines the response process for the Houston-Galveston Region’s Multi-Agency Coordination Center (MACC).
The Houston Regional Catastrophic Preparedness Initiative (RCPI) has developed numerous plans, tools, and other support products. Our site continued to focus on hurricane and IED scenarios, but we also began to support planning for a pandemic influenza scenario. For more information about these products, please contact Mel Bartis at melanie.bartis@houstontx.gov or Julei Kim at julei.kim@houstontx.gov, unless otherwise noted.

### Pandemic Influenza Planning

The RCPT’s priority for FY 2009 is pandemic influenza planning. Under the RCPI, our site developed a step-by-step approach to developing unified plans for a pandemic. Our support teams assisted us in developing the following products:

- H1N1 Meta-Analysis of After Action Reports (roll up of jurisdictional AARs to look at common issues)
- Medical Surge and Mass Prophylaxis Plan Reviews
- Medical Surge and Mass Prophylaxis Capability Requirements and Analysis Models
- Regional Pandemic Influenza Scenario Report
- Regional Public Health Coordination Framework
- Regional Guidance for Alternate Care Sites
- Regional Health and Medical Planning Integration Report
- TMC Pandemic Influenza Preparedness and Response Guide
- Regional Epidemiology Coordination Plan

### Medical Surge Planning

One of the key outcomes from the FY 2008 Emergency Triage and Pre-Hospital Treatment modeling discussions was the need to develop a coordinated approach to ambulance response for a no-notice incident. RCPI planners have worked to develop concepts for activation, notification, and mobilization. This “AMOPS” plan supports the Houston-Galveston region and also links to the Catastrophic Medical Operations Center (CMOC) plans and procedures.

### Mass Fatality Management Planning

While several jurisdictions in the Houston-Galveston region have plans for mass fatality response, there was not a unified approach to mass fatality management in the region. The RCPT prioritized planning for mass fatality incidents for two counties and later focused on development of regional CONOPS and Field Operating Guides. The team also developed a comprehensive mass fatality plan template that can be shared with any interested jurisdictions.

### Community Preparedness & Community Support

Other new programs being supported by the RCPI:

**Houston Hide from the Wind and Storm Risk Calculator**

[www.houstonhidefromthewind.org](http://www.houstonhidefromthewind.org)

This site has been expanded to include 13 counties. It is an evacuation decision-making tool for the public to use when a hurricane is approaching the SE TX region. A second tool is being piloted for one county in our region that provides household level storm risk information for an approaching storm. More information is available at [http://risk.rtsnets.com/](http://risk.rtsnets.com/).

**Active shooter/Mumbai-type attack awareness campaign**

The purpose of this project is to develop materials for the private sector and the public to prepare for and respond to an active shooter/Mumbai-type attack situation. The Run-Hide-Fight is available in English, Spanish, Vietnamese, and Chinese. [www.readyhoustontx.gov](http://www.readyhoustontx.gov)

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To build on projects developed in FY 2008, the RCPT has developed **standard operating procedures and job aids** to support the Regional Catastrophic Coordination Plan and the Catastrophic Medical Operations Center Plan. We also revised our Technology Inventory Report, developing a detailed analysis of these emergency management technologies, and identifying where gaps still remain. RCPI planners have also developed plan templates for logistics management and operations for volunteer reception centers. The State of Texas is leading an **interoperable data communications** project for FEMA Region VI; the planning portion of this project is being supported by the RCPT.
Training

**RCPI Awareness-level Training for Senior Officials**
- Target Audience: Individuals with decision-making authority for a jurisdiction. Elected and appointed officials.
- Date: July 12, 2013
- Time: 10:00 am – 12:00 pm CDT
- Venue: H-GAC, 2nd Floor Conference Room C (3555 Timmons Lane, Houston, TX 77027)
- Highlighted Plans: Regional Public Health Coordination Framework, Catastrophic Medical Operations Center Plan, Multi-Agency Coordination Center Plan, Mass Fatality Management CONOPS

**Emergency Support Function 5/7 Emergency Management and Resource Management Training**
- Target Audience: Operations level staff
- Date: Thursday July 18, 2013
- Time: 9:00 am – 12:00 pm CDT
- Venue: Houston Emergency Center Room 2098 (5320 N. Shepherd Drive, Houston, TX 77018)
- Highlighted Plans: Multi-Agency Coordination Center Plan and SOPs, Coordination of Multiple Incident Sites

**Emergency Support Function 8/ Pre-hospital and Healthcare Focus Training**
- Target Audience: Operations level staff
- Date: Thursday July 11, 2013
- Time: 9:00 am – 12:00 pm CDT
- Venue: Harris County Department of Education, Room 400A (6300 Irvington Blvd, Houston, TX 77022)

**Emergency Support Function 8/ Public Health Focus Training**
- Target Audience: Operations level staff
- Date: Thursday July 25, 2013
- Time: 12:30 – 3:30 pm CDT
- Venue: HCPHES, Room 532 (2223 W. Loop South, Houston, TX 77027)
- Highlighted Plans: Regional Epidemiology Coordination Plan, Regional Public Health Coordination Framework, TMC Pandemic Influenza Preparedness and Response Guide

**Emergency Support Function 4/9/13 Firefighting, Search and Rescue, Public Safety and Security Training**
- Target Audience: Operations level staff
- Date: Friday August 2, 2013
- Time: 1:00 pm – 4:00 pm CDT
- Venue: H-GAC, 2nd Floor Conference Room A (3555 Timmons Lane, Houston, TX 77027)
- Highlighted Plans: Hurricane Search and Rescue CONOPS, Improvised Explosive Devices Search and Rescue CONOPS, Significant Wildfire Incident CONOPS

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Updated RCPI ESF-based Training and Upcoming Exercises

Exercises

- **Multi-Agency Coordination Center TTX** - July 30, 2013, 8 am – 12 pm CDT, Harris County Department of Education Room 503. Address 6300 Irvington Blvd, Houston, TX 77022.
- **Search and Rescue, Coordination of Multiple Incident Sites, and Ambulance Operations Response TTX** - September 17, 2013
- **2013 Regional Allocation, Distribution, and Dispensing Strategic National Stockpile FSE** - November 1-2, 2013
- **Multi-Agency Coordination Center and Catastrophic Medical Operations Center TTX** - January 30, 2014