International PPP in Resilience Specialist Centre

Building Resilience, Sustainability, and Recovery in Furtherance of the Sustainable Development Goals

Presented to the 2016 Sustainable Development Goals PPP ICoE Forum

March 30-April 1, 2016
An Unstainable Path

- World Bank: From 1970-2013, total estimated disaster losses: $2.8 Trillion

- According to the National Resources Defense Council, projected yearly disaster losses will triple to 1.5% of global GDP ($900b/yr) by 2050

- Traditionally, the Public Sector has taken financial responsibility
  - Public sector budgets increasingly strained by aging & increasing population

- For the first time ever, US FEMA is considering relief/recovery deductible
  - Considering reductions in deductibles for resilience efforts
A Possible Solution—Public Private Partnerships

- Example: New Orleans Hospital
- Massive 1.2mm sq. ft. public hospital flooded, condemned
- Federal and State governments could not afford investments in resilient facility, specifically a super-resilient emergency facility
- Of the 1,170 deaths from Katrina, estimated 520 were in acute medical care prior to the storm

<table>
<thead>
<tr>
<th>Source</th>
<th>Funding</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal</td>
<td>$642m</td>
<td>Medicare</td>
</tr>
<tr>
<td>State</td>
<td>$279</td>
<td>Med School</td>
</tr>
<tr>
<td>Private</td>
<td>$143m</td>
<td>Management</td>
</tr>
</tbody>
</table>
Anatomy of Public-Private Partnerships

The New Orleans Hospital/ER was developed under a DBFM/Operate Model.
UNECE PPP ICoE
Specialist Centre in
PPP for Disaster
Resilience/Recovery

Three Major Mission Areas:

1. Documenting/sharing best practices, standards, process
2. Conducting and sharing research on PPP innovations
3. Education and Training
Designed to Collaborate

- Focal point for Resilience PPP for all ICoE Specialist Centres
- Co-located with Global Center for Successful Aging
  - Brain-related trauma, dementia
  - Next to “last building standing”
- Compliments New Orleans’ Resilience Effort & Strategy
- Team with UNISDR, other NGO Efforts
- University Partners
  - Louisiana State University
  - Toyo University
  - James Cook University
  - CETYS University

UNISDR/NGO Resilience Efforts
UNECE ICoE/Specialist Centres
New Orleans Resilience
Global Center for Successful Aging
University Partners
PPP in Resilience Specialist Centre
## Implementation Plan

<table>
<thead>
<tr>
<th>TASK</th>
<th>BEGIN DATE</th>
<th>END DATE</th>
<th>RESPONSIBILITY</th>
<th>BUDGET</th>
</tr>
</thead>
<tbody>
<tr>
<td>Secure Federal Endorsements</td>
<td>2/15/16</td>
<td>03/30/16</td>
<td>City, State, DHS/FEMA Support</td>
<td>-0-</td>
</tr>
<tr>
<td>Appoint International Advisory Board</td>
<td>03/01/16</td>
<td>03/30/16</td>
<td>Chairman/CEO and Special Advisors</td>
<td>$5,000</td>
</tr>
<tr>
<td>Create Fundraising Campaign-Secure Initial Seed Funding-$200,000</td>
<td>03/01/16</td>
<td>06/01/16</td>
<td>Chairman/CEO, Special Advisors, Advisory Board</td>
<td>$25,000.00</td>
</tr>
<tr>
<td>Hire President and Vice President</td>
<td>06/01/16</td>
<td>06/30/16</td>
<td>Donors, Special Advisors, Advisory Board</td>
<td>$250,000 (Salary and Benefits)</td>
</tr>
<tr>
<td>Secure/ Renovate Facility-long term lease</td>
<td>06/01/16</td>
<td>12/31/16</td>
<td>Chairman/CEO, Special Advisors, Advisory Board</td>
<td>$500,000 (legal &amp; renovations)</td>
</tr>
<tr>
<td>Secure Dedicated Funding (Public and Private Sources)</td>
<td>12/01/15</td>
<td>01/01/17</td>
<td>Chairman/CEO, Special Advisors, Advisory Board, Legislators, Governor</td>
<td>$150,000 (consultant, travel)</td>
</tr>
<tr>
<td>Begin Implementation of 5-year Operational Plan</td>
<td>01/01/17</td>
<td>01/01/22</td>
<td>All, Guided by UNECE International Centre of Excellence in PPP and in Consultation with other PPP Specialist Centres</td>
<td>$70,000</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>$1,000,000</strong></td>
</tr>
</tbody>
</table>
### 5-Year Operational Plan Table

<table>
<thead>
<tr>
<th>TASK</th>
<th>BEGIN DATE</th>
<th>RESPONSIBILITY</th>
<th>Expense Less Revenue</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Research and Share Best Practices in PPP for Resilience</strong></td>
<td>6/15/16</td>
<td>PPP Team of Specialists working with Other Specialist Centers</td>
<td>$1,000,000 less $500,000 grant revenues</td>
<td>$500,000</td>
</tr>
<tr>
<td><strong>Research and Development Activities</strong></td>
<td>09/01/16</td>
<td>University Partners and Other Specialist Centers, UNISDR, Sponsorship from Federal and Private Sources</td>
<td>$2,500,000 less $1,500,000 in Sponsored Research</td>
<td>$1,000,000</td>
</tr>
<tr>
<td><strong>Education and Training</strong></td>
<td>12/01/16</td>
<td>University Partners, Symposiums, Conferences, Electronic Learning</td>
<td>$500,000 less $500,000</td>
<td>-0-</td>
</tr>
<tr>
<td><strong>Consulting Services</strong></td>
<td>06/01/16</td>
<td>Staff and Advisors Under Contract</td>
<td>$1,250,000 (Salary and Benefits) less $500,000</td>
<td>$750,000</td>
</tr>
<tr>
<td><strong>Net Facility Revenue</strong></td>
<td>12/01/16</td>
<td>Lease Revenue Less Operation &amp; Maintenance</td>
<td>($750,000)</td>
<td>($750,000)</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td></td>
<td></td>
<td>$1,500,000</td>
</tr>
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Summary: Support of UN SDGs, UNECE ICoE

- Directly Impacts Five SDGs, Indirectly Impacts ALL SDGs
  - Goal #3 (healthy lives)
  - Goal #9 (resilient infrastructure)
  - Goal #11 (resilient cities)
  - Goal #13 (combat climate change impact)
  - Goal #16 (inclusive, access, effective institutions)

- UNECE ICoE Standards Development Process
  - Partnering with Specialist Centre on Health to develop standards for “Last Building Standing” project