

Enhancing Local Capacity Post-Catastrophe: Lessons Taught <u>by</u> Katrina

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University of New Orleans Center for Hazards Assessment, Response & Technology (CHART)

- Goal: Collaboration with coastal Louisiana communities to improve response to natural hazards.
- Means: Applied research -collaborative best practices development and transferal.





University of New Orleans

- Natural Hazards Observer
- Vol. XXIX No. 2 November 2004
- Disasters Waiting to Happen ... Sixth in a Series
- "What if Hurricane Ivan Had Not Missed New Orleans?"
- Shirley Laska, University of New Orleans

New Orleans was spared, this time, but had it not been, Hurricane Ivan would have:

- Pushed a 17-foot storm surge into Lake Pontchartrain;
- Caused the levees between the lake and the city to overtop and fill the city "bowl" with water from lake levee to river levee, in some places as deep as 20 feet;
- Flooded the north shore suburbs of Lake Pontchartrain with waters pushing as much as seven miles inland; and
- Inundated inhabited areas south of the Mississippi River.
- Up to 80 percent of the structures in these flooded areas would have been severely damaged from wind and water. The potential for such extensive flooding and the resulting damage is the result of a levee system that is unable to keep up with the increasing flood threats from a rapidly eroding coastline and thus unable to protect the eversubsiding landscape

Five Catastrophes of Katrina*

The First Catastrophe: Pre-Storm Conditions

- Harming Environment Rather Than Living "within" It,
- Failure to Managing Risk Effectively
- Invidious Economic, Racial & Ethnic Inequities
- Catastrophe Two: Hurricane Katrina Physical Event
- Catastrophe Three: The Failure of the Levees
- Catastrophe Four: The Response
- Catastrophe Five: The Recovery & Reconstruction

*Proposed by Bob Gramling, U Louisiana at Lafayette

Presentation Outline

The Recovery "Enterprise"
 Residents as Recovery Resources
 Inequities, Distrust and Recovery
 Preplanning/Command &

A BUIL H

Control/Spontaneous Response 5. Role of Cultural Rituals in Recovery

The Recovery "Enterprise"





National versus Local Firms?

- 1. Capacity to do the work
- 2. Most cost effective: how many layers taking profit?
- 3. Legacy to area in contribution to economic recovery and
- 4. Legacy of future recovery capability
- 5. Lesson: Develop and use "local benefit" test when determining at which level

recovery, critics say. Top-uer contractors say it's the only way to get the work done.

SUBPAR RETURN

per square

or square



rs, some of which also



Tiers of subcontractors are involved in the mass blue-tarp roof project in the New Orleans area, prompting some to label the practice a governmental waste of money. The bitter disaster (than Katrina) may be the no-off, said state Rep. Ernest Wooton, R-Belle Chasse.

'The arrangement isn't unique to roofing. On almost any contract let by either the Federal Emergency Management Agency or the Army Corps of Engineers, who together control most of the more than \$60 billion earmarked by Congress for hurricane aid, a sim-The blue-tarp roof, a symbol of hurricane damage in south Louisiana and Mississippi as recognizable as curbside debris, may wind up llar system of tiering exists. Nor are such contractual layers indigenous to a universe shattered by Katrina and Rita. Those inas a post-Katrina emblem of government waste reminiscent of the Pentagon's fabled \$435 hammers and \$640 tollet seats. volved in the work say similar arrangements are commonplace after natural disasters throughout the United States. Depending on the extent of damage and

Temporary housing, for example, provides another area in which contract nesting proliferates, FEMA buys trailers from brokers, who bump up the price per unit by thousands of dollars. And on New Orleans' housing inspection contract, the federal government paid The Shaw Group nearly \$80 an hour, city officials said, for building inspectors who earn about a quarter of that amount, according to city inspectors.

In other words, the guy spinning a Bobcat choked with tree limbs on a residential street

See LAYERS, A-4

resh water from the Mississippi River into Bayou Lafourche could cost as much as \$179 million

By KATINA A. GAUDET

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table: feet of water moved per sec-The short list involves two options

ings to address fears that the project moderate to large. moderate to large.

The project Plane i dedent protocol of the project Plane i dedent protocol of the nost control is control of the project control of the nost contr of a railroad bridge in Donaldsonville.

THBODAUX - A new report mark rows the list of alternatives being con-sidered for channels around Durald searche projects also listed and mark integral ter and sedures of the Massimum of projects in the Massimpli Rever, would by the Massimpli Rever, would by a searche the Massimpli Rever, would by the Massimpli Rever, would by a searche the Massimpli Rever, would by the Massimpli Rever, would by a searche the Massimpli Rever, would by the Massimpli Rever, would by a searche the Massimpli Rever, would by the Massimpli Rever, would by a searche the Massimpli Rever, would by the Massimpli Rever, would by a searche the Massimpli Rever, would by the Massimpli Rever, would by a searche the Massimpli Rever, would by the Massimpli Rever, would by a searche the searche the

of Natural Resources and the U.S. En http://www.buyonlafourche.org/de vinonmental Protection Agency, among tural, economic and environmental

"This project is the first to strike that jonishinep.org or 447 orts

copy on CD or a printed copy of the report may contact Blanchard at

Lawmakers report income from hurricane relief

By DOUG SIMPSON

RATON ROUGE - Fifthern members of the Louisianta Legislature and their relatives have reported earning money from government harricate-relief contracts. money from government numbers and contract with more than \$105 million going to a \$1. Charles Parish company owned by the family of a House mem-ber, according to documents made public this week. Combined, the other 14 members of the Legislature and their kin said they carned or stand to earn \$1.7 million in state and federal contracts awarded after hurricanes Katrina and Rita, Many of those contracts went to companies - including environmental cleanup. construction and electrical firms - owned or partly

wined by lawmakers or their relatives. JoAnn Toomy, wile of Rep. Joe Toomy, R-Greina. said she got \$298,474 from the state agriculture de partment for reimbursements for fuel, and another

275,106 from the Federal Emergency Management Agency, for use of her LaPlace company's property as a staging area.

Kenneth St. Germain, husband of Rep. Karen St. Germain, D-Plaquemine, reported about \$540,000 in government money going to a hardware store he partowns. The mours, went for building materials, the

the knife. The shooting was not captured on tape.

Officers used pepper spray or Hayes to no effect. When Lt Billy Ceravola, the ranking officer on the scene, approached to within six or eight feet to urge Haves to surrender, he cocket his knife arm as if to stab Cera vola, Riley said. He said three officers fired

See SHOOTING, A-12

Grey Struct whose taskes and stars transfers transfers and the structure of the structure o co-own the company, both said they would derive \$3.2

million from the contracts. The legislator's sister, Rebecca Tassin, said she would derive \$6,900 from the trailer sales. William Cunningham, a commissioner on the Pontchartrain Levee District, said he was also affiliated with the company and expected to get \$97,000 from the contracts. The awarding of those contracts had already been

widely reported. Smith, D-Norco, the company's hwyer, has said his role as state lawmaker had nothing to do with winning the contracts.

may be billing 20 times that

Federal regulators and prime

amount for the service.

Other legislators and their relatives reporting hurricane-contract earnings included:

· Rep. Gordon Dove, R Houma, who said companies he partly owns made about \$75,000, mainly for contracts to clean up oil spills. Dove's sister, I auto

turn and local decided officialisto disclose money they and their relarised mande or stand to make from state militation and the state of the state in the state of the state in the state and the state of the state of the state in the state of the state

be reached Friday to clarify.

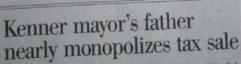
Kathleen Allen, a lawyer with the ethics board, said week's theaffine meant officials who mailed their forms needed to have them postmarked on Thursday. Local elected officials and their families who sub-

· Frederick Heche, husband of Jefferson Parish Council member Jennifer Sneeth, estimated that the waste disposal company he partly owns would likely earn more than \$2 million in post Katrina government

Biley Berthelot, West Baton Rouge Yarish presi-dent: reported that a company he partly earns wan, \$706,000 in contracts for electrical wiring of recre-



A front-end loader removes trash Wednesday from the 6600 block of Colbert Street While vast sums of money are being dumped into the hurricane recovery, because of must pass through, subcontractors at the bottom of the pile say the



Capitano moves to void dad's property purchases

ther, who did not know the Ethics Code, Capitano said. "We are going to have the attorneys look into canceling the ta sales to him and look at the next person

to \$5,000 to install a typical tarp. The cost to taxpayers to tack up a covering of blue vinyl is roughly the same, on a per-square-foot ba-sis, as what a homeowner would pay to install a basic asphalt-shingle roof.

Yet the laborer putting nail to tarp typically earns only a fraction of that. The cost is driven up by layers of subcontractors, an expensive flowchart that sometimes produces the sub-sub-sub-sub-subcontractor, known in

By Gordon Russell

and James Varney

the size of the roof, the federal government is

paying anywhere from a few hundred dollars

post-Katrina parlance as a "fifth-tier sub."

DAY OF DISCORD

National versus Local Firms?

- 1. Capacity to do the work
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- 4. Legacy of future recovery capability
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Citizens as Resources



Planning Process – Vietnamese community in New Orleans East

-

New Orleans East planning meeting June 3, 2006

Damage Assess

Planning District 9; District 0 -

OF NEW ORLEANS

Broadmoor Neigh. Assoc. discussing Severe Rep. Loss structures.

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Residents as Resources

- 1. Honor role of residents: Instills trust, use of "local knowledge" and energy
- 2. Engage immediately
- 3. Support process (\$\$)
- 4. Hold true to involvement when big dollars press for exclusion
- 5. Likely if not done: Demoralized residents will out migrate.

Inequities, Distrust and Recovery

Inequities, Distrust and Recovery

• Housing



Protests, attempted entry - June 3, 2006

Public/Rental Housing

- 7,500 pre-Katrina public housing units, about 5,100 occupied
- > 1,000 open June, '06
- Rentals units: Tens of thousands destroyed
- Rents have risen 20 to 30 percent

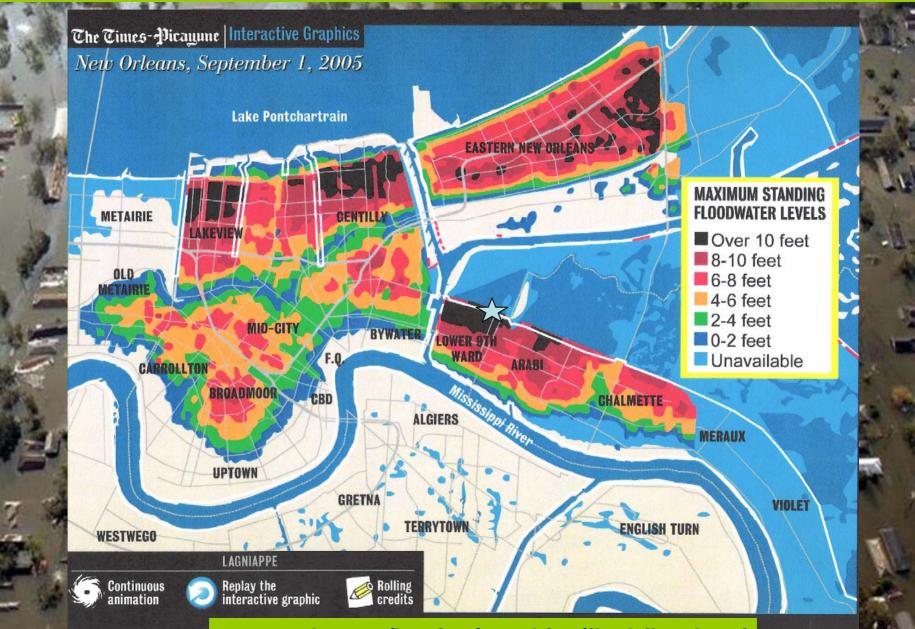


Inequities, Distrust and Recovery

Community Post-Catastrophe Footprint



New Orleans Area Flood Depths



www.nola.com/katrina/graphics/flashflood.swf

Preplanning/Command & Control/Spontaneous Response

New Orleans Convention Center



Preplanning/Command & Control/Spontaneous Response

Evacuation

- 1. <u>Engage stakeholders</u> to determine effective options
- 2. Develop fully organizational means with stakeholders
- Complete early and drill, drill, drill
 Failure: will do more harm than
 - no response at all

Role of Cultural Rituals in Recovery







Third World Lessons?



Third World Lessons?

• Apply back in U.S.