Traditional GIS Perspective
Static Data Layers with GIS Team processing projects for responses.

Recent Economic Conditions within every market for shifts

- Increase in Computer Capacities
  (Storage, Backbone Distribution, Processing)
- Decrease in Computing Costs
  (Storage, Backbone Distribution, Processing)
- Increase in Mobile Appetite from Consumer Market

Recent Societal Changes within every market for shifts

- Change in Privacy Orientation to Community Responsibility
  (Hurricanes, Mortgage Crisis, Health Care)
- Community Softness of Global Corporations for Greening of Processes

DEMANDS FOR BETTER COLLECTIVE COMMUNITY MANAGEMENT
GIS Data Production Tiers

**NATIONAL**
- Historical Mapping Force
- 5 Year Update Cycles

**STATE**
- Mid 90s Outsourcing with State
- 2 Year Update Cycles

**LOCAL**
- After 911 Local Investments
- Possibility of Dynamic Processes
Decision Making Criteria

Who
What
When
Where
Why
How

DYNAMIC GIS MODELS
MARRY THESE CRITERIA
Local Architecture Design

- To start to build the system with static layers
- Replace with dynamic data from within our municipal business processes whenever possible
- Emergency Processes are normal business at extreme capacities.
- Maintain the integrity of the existing processes
- Develop a platform for new business processes
- Maintain a proper check and balance with city parish municipal processes

November 2007
Department Head Agreement Document
EBR City Parish Model Government

Tier One
Planning Services
Zoning, Planning and Capacity Allocations
CPPC, CPEX, Community Development

Tier Two
Construction Services
Department of Public Works

Tier Three
Emergency Response Services
OEP, Police, Fire, EMS
**MISSION STATEMENT**- a declaration of the specific purpose for the feature class to keep the data usage within the appropriate context.

**DOMAIN OF ORIGIN**- the birth place of the geometry feature - the departmental business process that creates the initial feature element.

**DOMAIN OF CHANGE** – the point of change for the feature - the departmental business processed that creates a status or change in the initial feature element.

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**GIS Data Layer Profile**

<table>
<thead>
<tr>
<th>GIS Data Layer - Basic</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Geometry Fields</strong> - Define feature location</td>
</tr>
<tr>
<td><strong>General Attribute Fields</strong> - Feature id, basic type, Name, label, status</td>
</tr>
<tr>
<td><strong>Geometry Metadata Fields</strong> - Geometry data source, Updated, initial data entry Of point of contact.</td>
</tr>
</tbody>
</table>

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**Data entry/storage perspectives to maintain data currency**

- Specialty data attributes - Public Safety
  - Permits id, Permit date, Construction date, Construction grade, Risk assessment, Scheduled upcoming Maintenance, Last maintenance date, Attribute Metadata Fields

- Specialty data attributes - DPW
  - Feature id, Permit date, Construction date, Construction grade, Risk assessment, Scheduled upcoming Maintenance, Last maintenance date, Attribute Metadata Fields

- Complete Feature Class Profile
  - Basic GIS Data Fields
  - DPW Specialty Fields
  - CPPC Specialty Fields
  - Public Safety Fields
  - Linked by Feature id

**Basic feature class delivery by Coe FY05 venture**
## Enterprise Policies

### GIS Core Committee

**Purpose**
- Establish overall GIS direction;
- Establish GIS Program policies and standards;
- Review and prioritize project requests;
- Review and prioritize hardware and software acquisition requests;
- Review and approve budget priorities.

**Chair**
Chief Administrative Officer

**Participants**
GIS Manager and the Department Heads of CPPC, DPW, OEP and IS.

**Meets**
Monthly

### GIS Technical Committee

**Purpose**
- Ensure database standards are maintained;
- Coordinate GIS project requests;
- Document issue/action decision log; and
- Identify document data, procedure issues.

**Chair**
City/Parish GIS Manager

**Participants**
GIS Project Managers or equivalent from CPPC, DPW, OEP and IS (Others include Police, Fire, EMS, IS, CC, Assessor, Mayor’s Office and any department with open GIS actions/interest.)

**Meets**
Weekly

### GIS Foundation Committee

**Purpose**
Educational forum

**Chair**
City/Parish GIS Manager

**Participants**
Users and interested parties from CPPC, DPW, OEP, Police, Fire, IS, COC, Assessor, Mayor’s Office, and any department with open GIS actions/interest.

**Meets**
Quarterly
Traditional Emergency Response Systems & Databanks

EMS COMMUNICATIONS

POLICE SERVICES

FIRE SERVICES

911 CAD SYSTEM DB

POLICE DATABANK DB

FIREHOUSE DB
Specific Incident Mapping
Debris Mapping

Project Process Flowchart

City Parish Project

Shaw FEMA Project Coordinator Company

CERES DEBRIS Contracting Company

Hurricane Gustav Debris Removal Services

Eligible FEMA Debris Collection Zones
Map Date 11/24/2008 7:00 PM Report
"Third and Final Pass"
Red Cross Home Damages

Project Process Flowchart

City Parish Project

Red Cross

VOA

Hurricane Gustav's Call Mapping
Red Cross Damage Assessments
8/30/2008 to 9/15/2008

Legend
Red Cross Damage Claims (5945)
- Affected (253)
- Destroyed (37)
- Severely Damaged (17)
- Moderate (133)
- Minor (746)
- Major Homes
- Minor Damages
- Major Damages

Produced for
East Baton Rouge Parish
Homeland Security Director, JoAnne Moresu
September 24, 2008
Project Mapping with Broadcasts
Emergency Response Services
OEP, Police, Fire, EMS

Construction Services
Department of Public Works

Planning Services
Zoning, Planning and Capacity Allocations
CPPC, CPEX, Community Development
Integration Illustration
Lessons Learned

Checks And Balances

Data Quality Control Processes

Ordinances May Need To Be Revisited

New Ordinances Need To Be Established