ESRI Homeland Security GIS Summit
Denver, Colorado – September 2005
An inter-connected network

- People
- Standards
- Data
- Infrastructure
- Services
- Solutions

A Holistic Approach
In an attempt to support both homeland security, traditional public safety operations, and the overall business of government, the following are defined as overarching goals:

- **Eliminate** information technology silos through the implementation of a common information architecture and solutions environment
- **Collect and build** information and services once and use them many times
- **Leverage** existing data already collected in a disjointed fashion
- **Create** new opportunities to significantly and fundamentally improve business processes
- **Share** an information network among the various communities of interest
- **Organize and manage** the program to ensure sustainability and growth
EPINet Conceptual Architecture
EPINet SOA

Pre-SOA
Point Solutions

Post SOA
Integrated Solutions

Critical Asset Tracking System

Welcome Harrison, Bruce!
Facility Search

Please select the type of search and enter key value to search.

Search By: Facility Name
Search Key

Critical Asset Tracking System

Results

Facility Name: South Jersey Gas
Plant Name: South Jersey Gas Whiting City

Facility Name: Caesar's Entertainment Inc.
Plant Name: Atlantic City Hilton

Facility Name: Caesar's Entertainment Inc.
Plant Name: Bella's Park Place Casino

Facility Name: Caesar's Entertainment Inc.
Plant Name: Caesar's West-Casino
EPInet SOA
EPINet Portal Development

Homeland Security Missions

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<th>Protect</th>
<th>Respond</th>
<th>Recover</th>
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DATA

- Critical Infrastructure
- Data Management
- Population
- Hazards
- Events
- Resources

National Planning Scenarios

Threats and hazards that present the greatest risk have been defined as National Scenarios by a Homeland Security Advisory Council-led interagency working group.

NJ Focus
- Nuclear Attack
- Biological Attack
- Chemical Attack
- Natural Disaster
- Radiological Attack
- Explosives Attack
- Cyber Attack
- Civil Incident
EPINet Portal Development

**Time and Missions in National Preparedness**

- **T-5**: Include the high-level planning stage, required for a general planning tool or all general planning for an emergency incident.
- **T-3**: Include the lower-level planning stage, required for a specific emergency incident.
- **T Zero (INCIDENT)**: Represents an incident, includes immediate recognition.
- **T+3**: Indicates the time after the immediate response and aftermath of an emergency incident.
- **T+5**: Indicates the long-term recovery phase following an incident.

**TIME**

- **Prevent**: What are the tasks already completed and actions to be performed at this time?
- **Protect**: What are the tasks already completed and actions to be performed at this time?
- **Respond**: What are the tasks already completed and actions to be performed at this time? Also consider what tasks and actions could be taken after T-6.
- **Recover**: What are the tasks already completed and actions to be performed at this time?

*Sept, 2005*
An Innovative Initiative that . . .

- Fosters state/local government partnerships.
- Requires the use of a single set of standards.
- Provides the foundation on which local governments build, maintain and share information.
- Supports the concept of “building information and services once – and using them many times”
State will provide:

• Hardware and Software to launch local data node
• Data Assessment
• Data Transformation & Loading
• Author Map Services
• Document/Catalog Data & Services – njgin.nj.gov
• Implement Online Viewer
• Training to support and maintain the node
• Support & Maintenance
Counties agree to:

- Provide Ongoing Technical Support
- Maintain Geodata
- Host local data on EPINet (secure)/NJGIN (public)
- Document Data with Metadata
- Adhere to State GI policy & standards
- Enter into partnerships with municipalities (Counties)
Local Government Investment:
• Support Personnel
  • Project Management
  • Systems Administrator
  • GIS Specialist
• Hardware/Software Purchase/Implementation - $75K
• Data Assessment/Conversion>Loading - $50-75K
• Technical Training - $25K

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Local Government Success Stories

Now, A Live Demonstration...
EPINet Supports the Business Of Government

Web Portal

Economic Growth

Front Counter Applications

Strategic Growth
Partnerships Support a SOA
EPINet Program Management

IT Executive Leadership
- Ultimate authority and responsibility for the program
- Authorizes project funding
- Selects/empowers program management team
- Resolves conflicts over policy issues and objectives
- Approves program changes and deliverables

Program Management Office
- Represents executive leadership
- Develops and manages the program plan
- Promotes program vision across project teams
- Responsible for the functional quality of the program
- Manages architecture development and compliance
- Provides technical guidance to project teams
- Facilitates coordination across projects
- Supports project managers (budget, resources, and admin)
- Reviews program status to executive leadership
- Manages issues and change requests
- Allocates shared resources to projects
- Tracks IPT action items

Project Teams
- Project Manager
- Operations Lead

IT Shared Resources
- App Development
- QA
- Network Admin
- DBA
- Systems Analysis
- Infrastructure/Environment

Business Unit Resources
- Operations Manager
- Subject Matter Experts (SMEs)
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