



## STRAILGIC PETROLEUM RESERVE

Emergency Communications System & Emergency

Command Vehicle

J. Brad Wallace, Department of Energy

Tom Creaghan, DynMcDermott Petroleum Operations

### Strategic Petroleum Reserve

- World's Largest Crude Oil Reserve (nation's energy insurance)
- National Critical
   Infrastructure & Key Asset

- Respond to a National Energy Interruption or Emergency within 13 days
- Maintain Inventory of 700 + MMB Crude Oil



### SPR Storage Sites













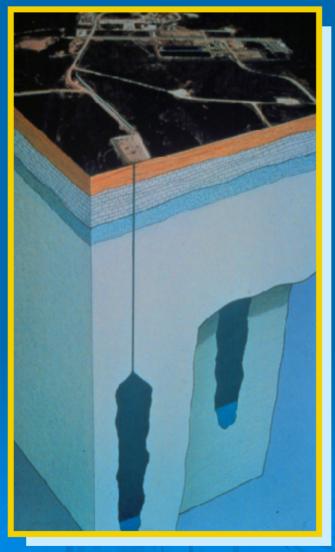
## Gulf Coast Storage

- Concentration of Salt Domes
  - Secure
  - Economical
  - Low Environmental Risk
- Major U.S. Refinery Area
- Major Crude Oil Distribution Center
  - Tanker Terminals
  - Pipelines
- Provides Maximum Flexibility for response to a wide range of Interruptions and Emergencies

## Strategic Petroleum Reserve Complexes and Associated Pipelines and Terminals



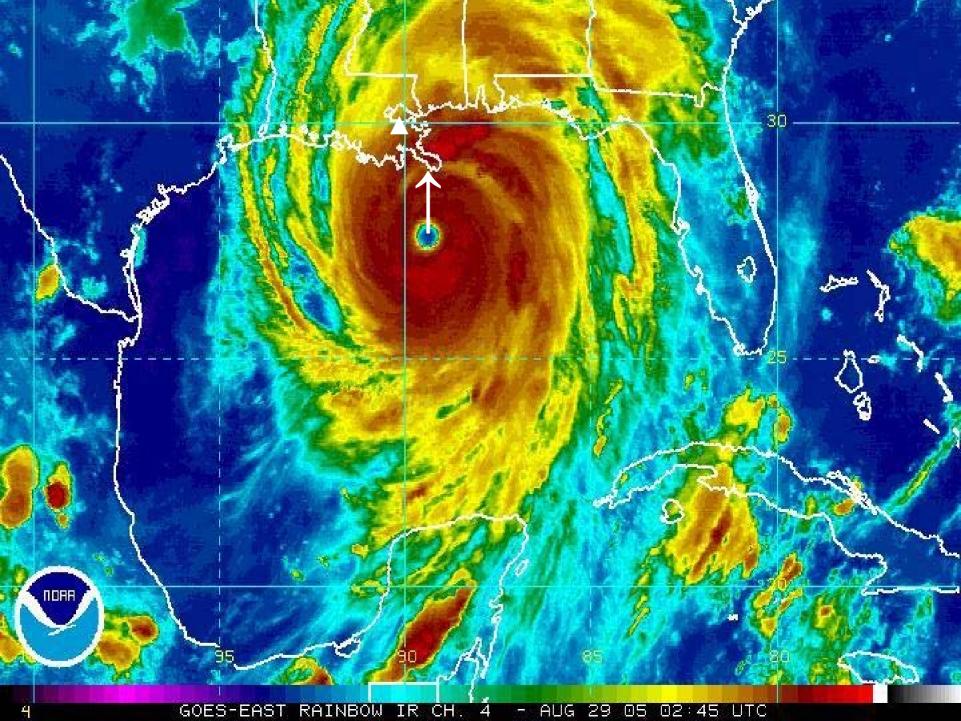




## Size Comparison







Hurricane Activity is a Major Emergency Management, COOP, and Drawdown Program Driver





- During Hurricane Rita SPR operations an ECN system from RSL Nevada was utilized
- Post hurricane season FY05
  the concept of using RSL
  ECN equipment in a mobile
  platform was investigated
- Over 12,000 VoIP Calls Made
- Numerous VTCs Conducted
- LOTS of bytes of data sent

### What we learned, post Katrina

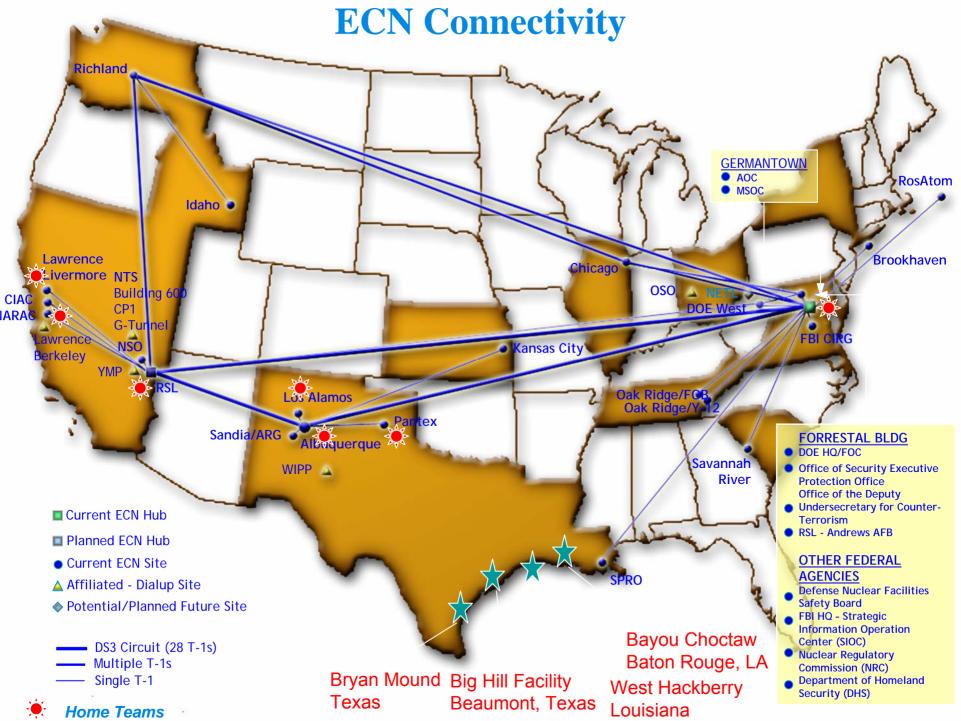
- Communications
- Establishing Command and Control

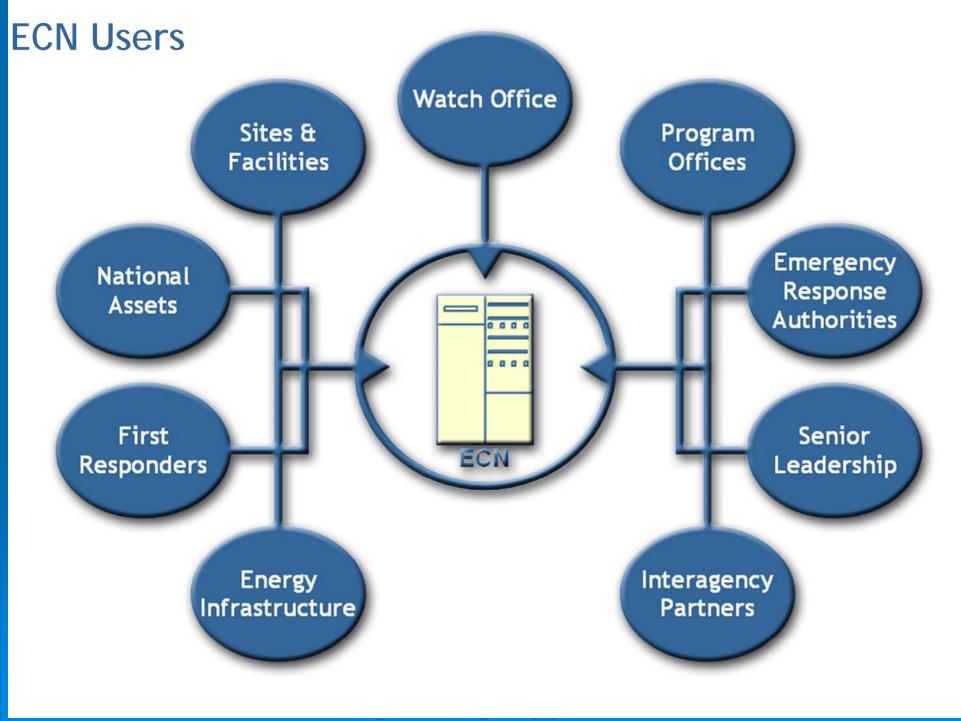
### What we ended up with;

- Reliable Communications Backbone ECN
- Emergency Command Vehicle
- Mobile Communications Trailer

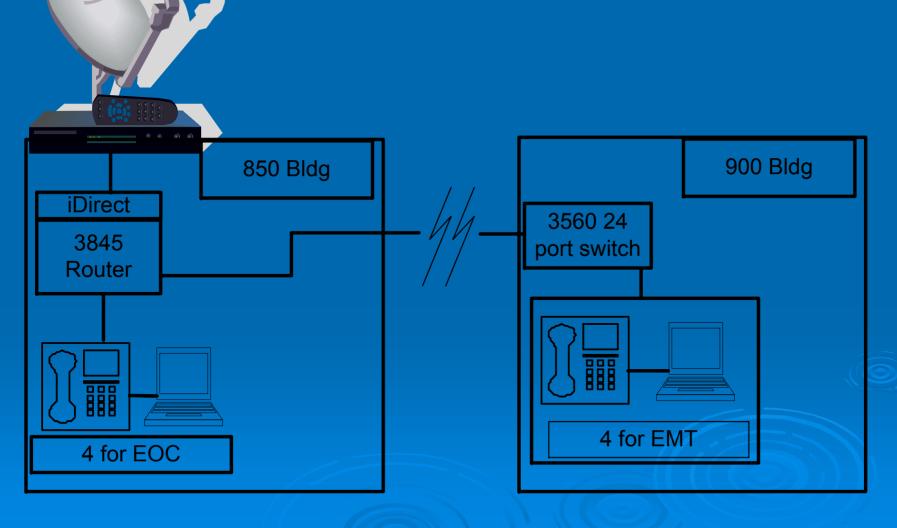
### WHERE WE ARE HEADED;

 Common Operating Picture / data and voice interoperability GIS/ECN/WEBeoc

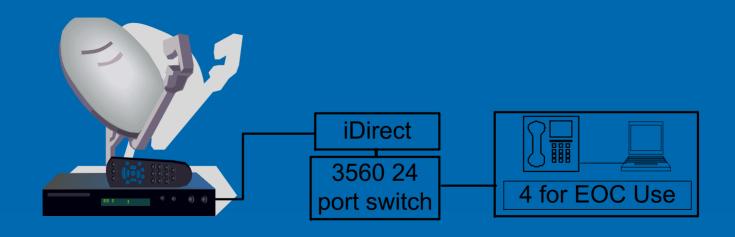




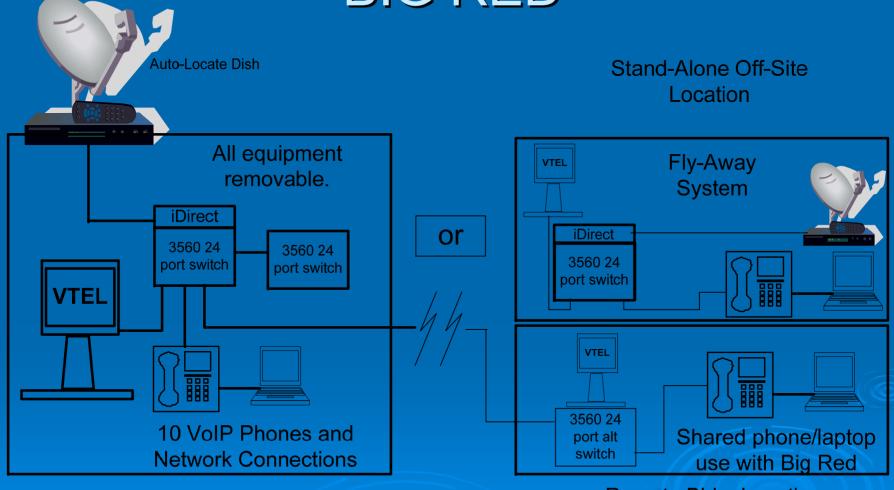
# SPR ECN NEW ORLEANS PMO



## SPR ECN STENNIS

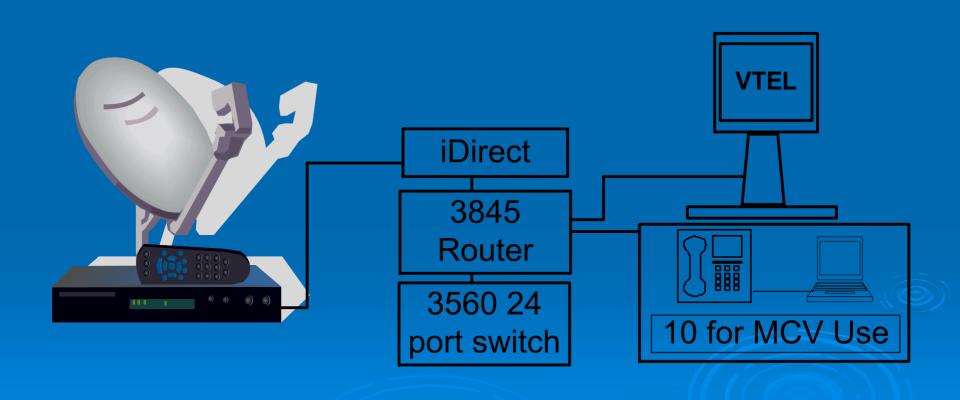


## SPR ECN BIG RED



Remote Bldg. Location

### **ECN ECV**



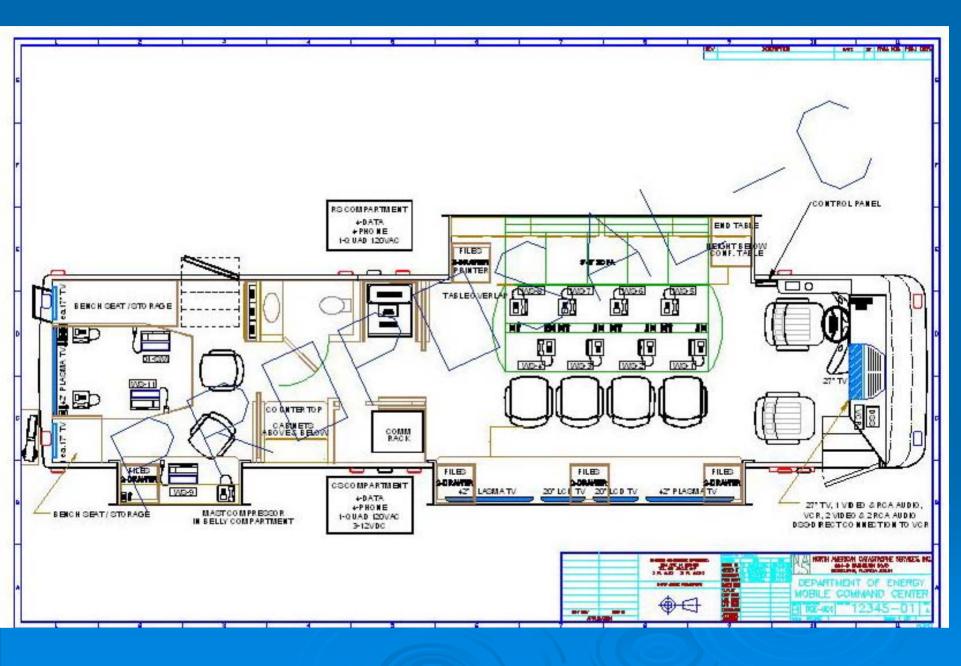


# **Emergency Command Vehicle**



#### **Requirements:**

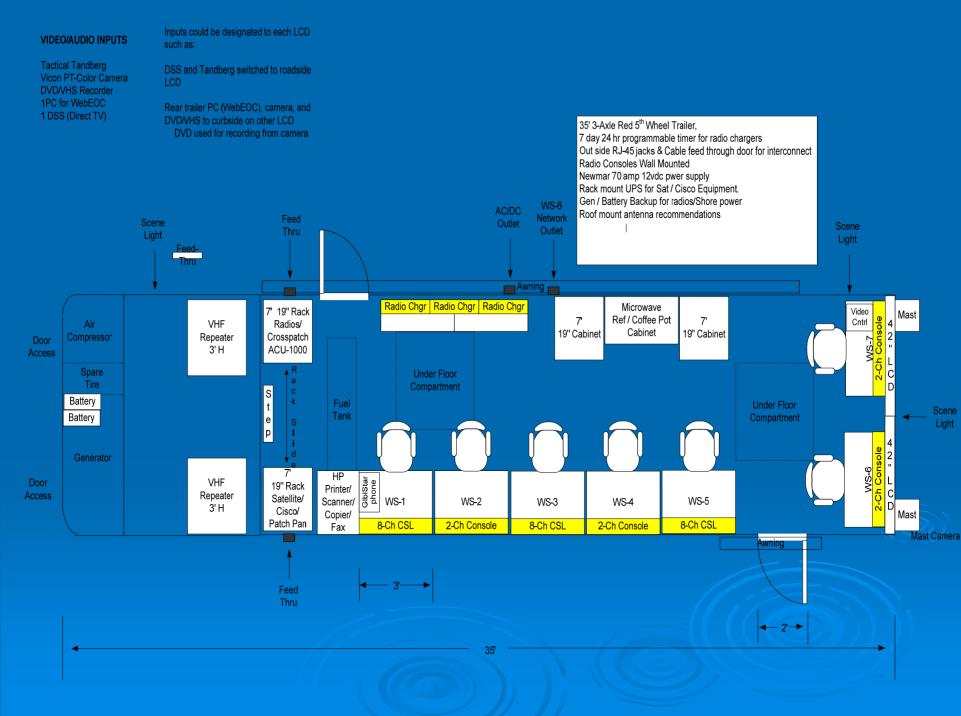
- Requirements based on vehicle usage were defined by DOE and DM Emergency Management and Security staff, modified after initial briefing from Katrina / Rita – post storm assessment. (COOP / Business Continuity / Mission)
  - Vehicle is dual use, DOE and DM, and designed to accommodate eight executives for briefings/meetings in off site locations, and as a mobile public information work center and press briefing facility.





# SPR MOBILE COMMUNICATIONS TRAILER (MCT) (BIG RED)

 Mobile Communications Trailer (MCT) shall be deployed to support the Strategic Petroleum Reserve (SPR) sites communications infrastructure during emergency situations and for Security / Emergency Management Training Exercises



### **NOW ON DISPLAY**









### **THANK YOU FOR YOUR ATTENTION!**

