

FEMA THD GIS
INITIATIVE

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FEMA

Purpose

- Enhance local, tribal, state and federal stakeholder's response to an event at a commercial nuclear power generating facility through an accurate and detailed Common Operating Picture using web-based GIS applications.
- Provide timely and reliable geographic information to help response organizations make well-informed, data-driven decisions.
- Planners need the best data now, so they can make high quality decisions in a low stress environment.
- Creates an innovative, data-rich tool for REP stakeholders.



Strategic Plan

Helping People. Together.

FEMA Mission: Helping people before, during, and after disasters.

STRATEGIC GOALS

I. BUILD A CULTURE OF PREPAREDNESS



1.1 Incentivize investments that reduce risk, including pre-disaster mitigation, and reduce disaster costs at all levels



1.2 Close the insurance gap



1.3 Help people prepare for disasters



1.4 Better learn from past disasters, improve continuously, and innovate

OBJECTIVES

II. READY THE NATION FOR CATASTROPHIC DISASTERS



2.1 Organize the "BEST" (Build, Empower, Sustain, and Train) scalable and capable incident workforce



2.2 Enhance intergovernmental coordination through FEMA Integration Teams



2.3 Posture FEMA and the whole community to provide life-saving and life-sustaining commodities, equipment, and personnel from all available sources



2.4 Improve continuity and resilient communications capabilities

III. REDUCE THE COMPLEXITY OF FEMA



3.1 Streamline the disaster survivor and grantee experience



3.2 Mature the National Disaster Recovery Framework



3.3 Develop innovative systems and business processes that enable FEMA's employees to rapidly and effectively deliver the agency's mission



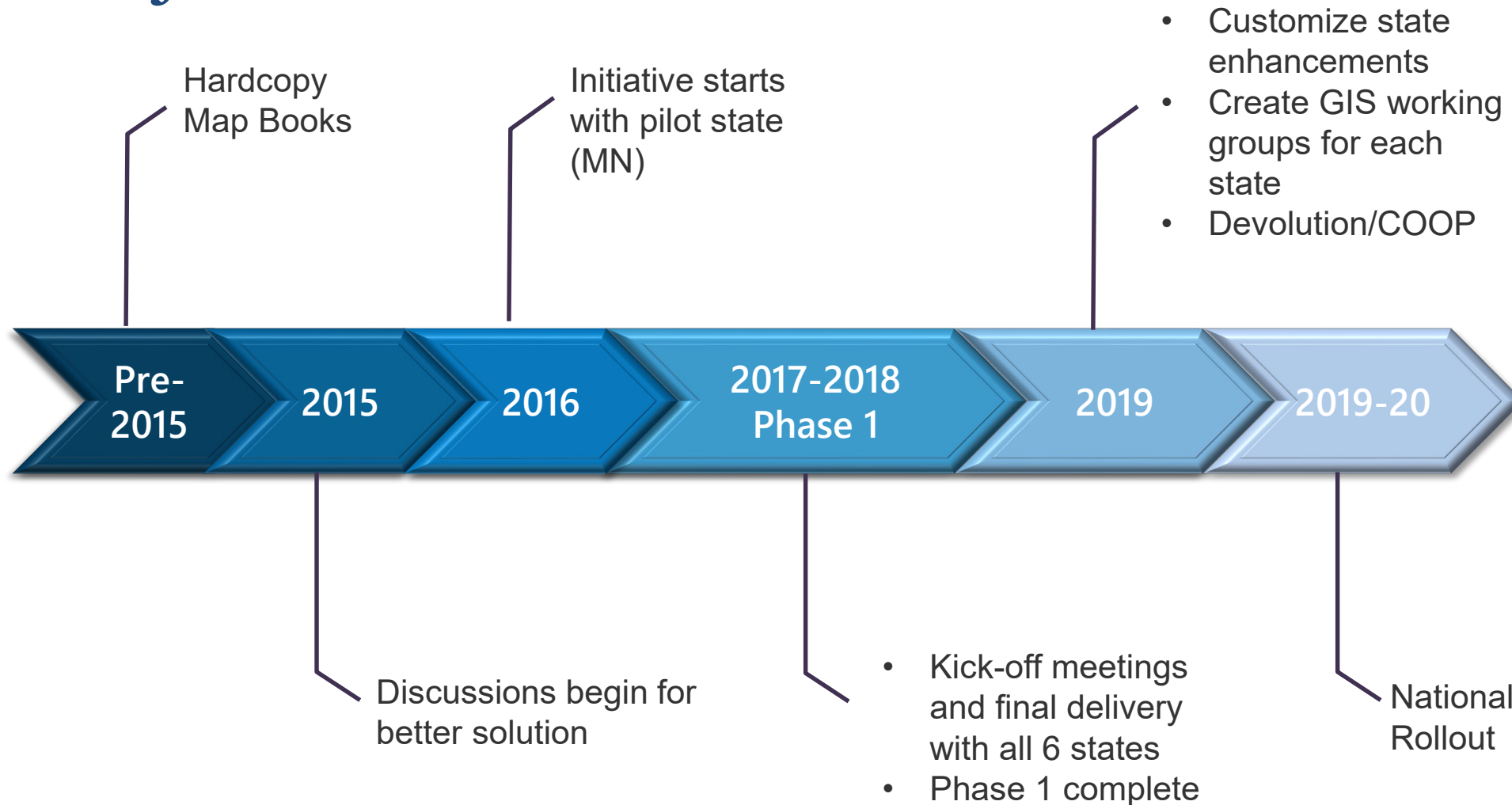
3.4 Strengthen grants management, increase transparency, and improve data analytics

FEMA Vision:
A prepared and resilient Nation.

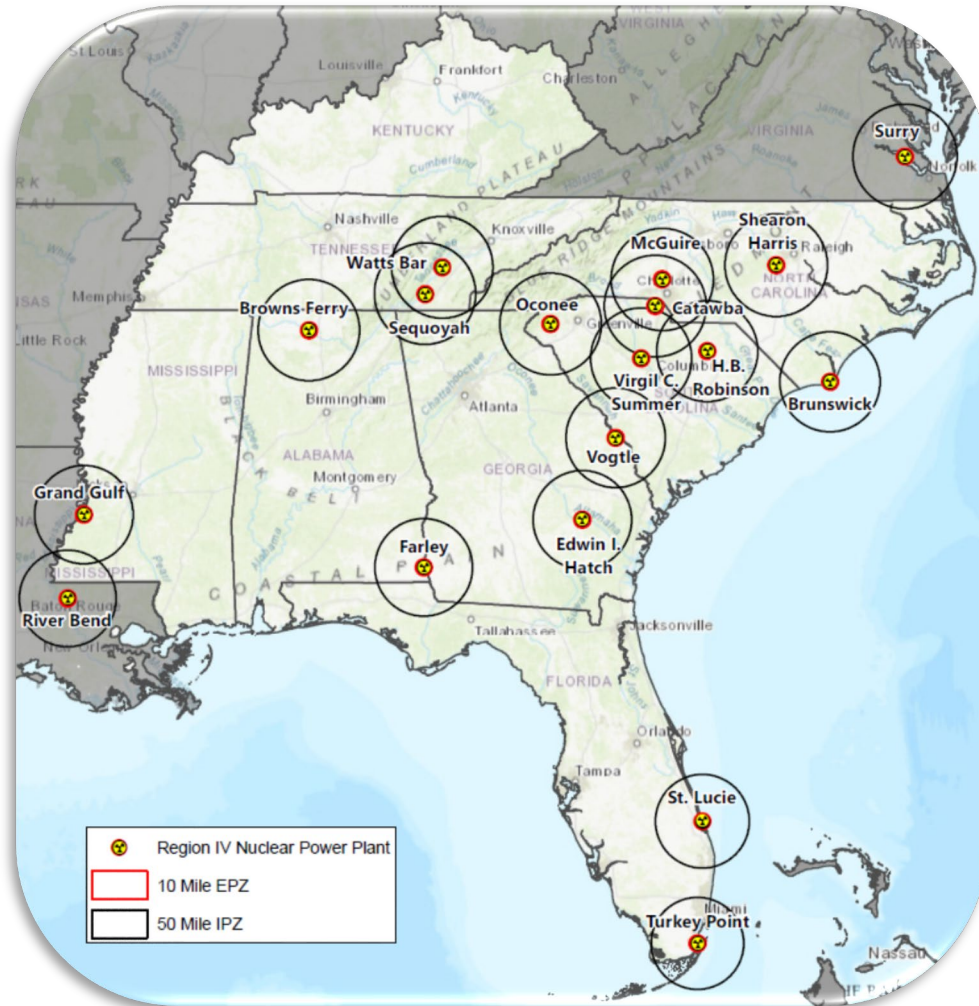


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Project Timeline



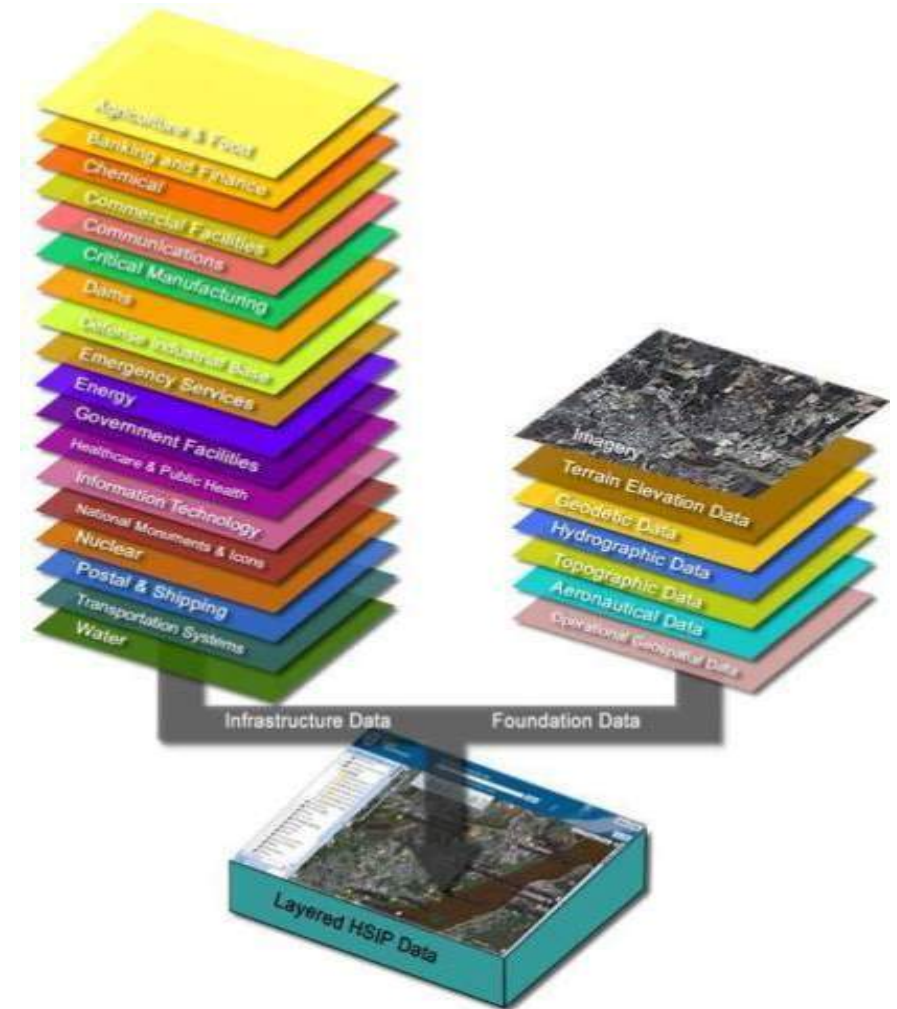
Nuclear Plants & Affected Populations in RIV



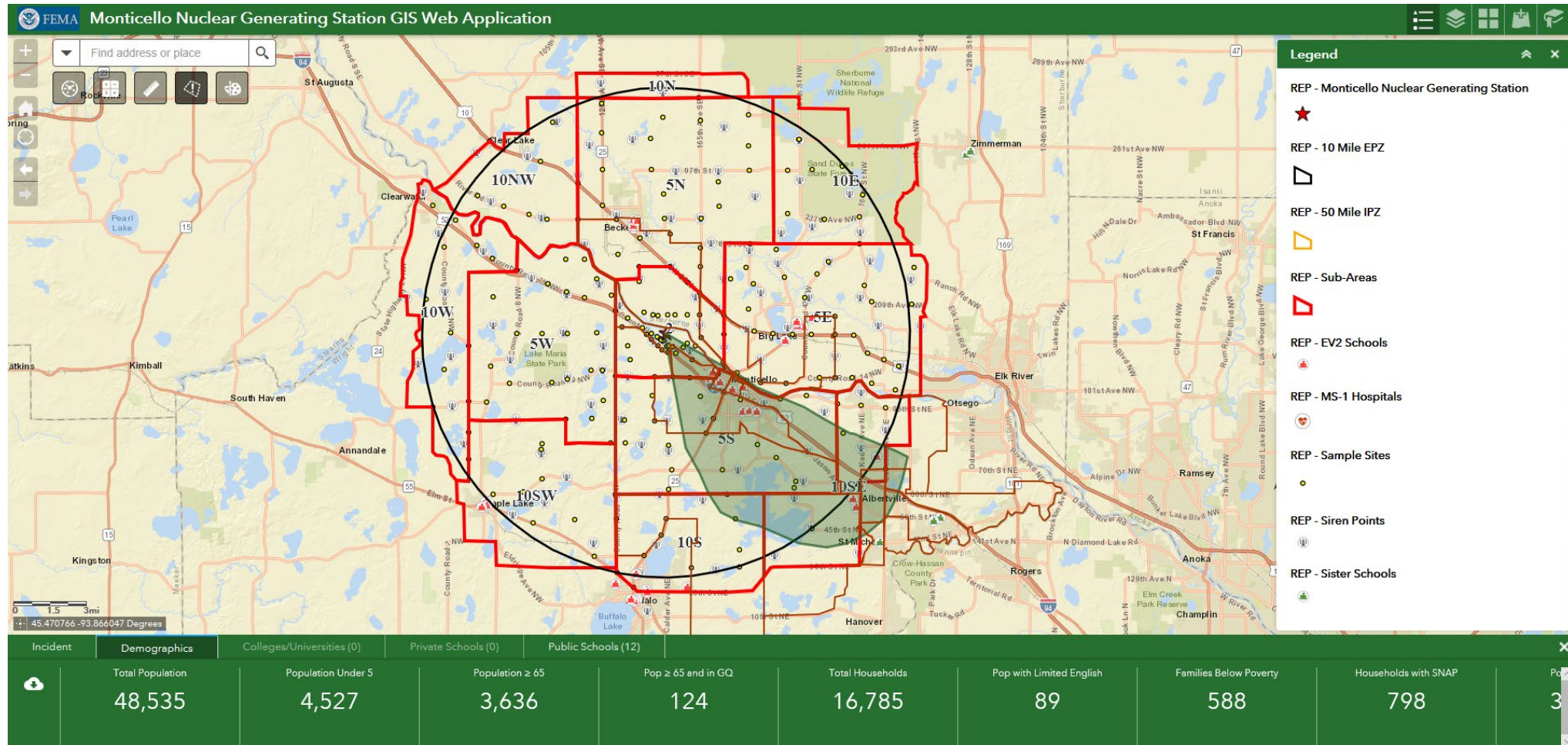
State	10-Mile EPZ Population	50 Mile IPZ Population	% of State Population in 50 Mile IPZs
Alabama	45,864	1,166,628	24%
Florida	417,977	5,219,082	26%
Georgia	16,141	1,507,039	15%
Kentucky	0	0	0%
Mississippi	5,331	272,665	9%
North Carolina	439,352	6,335,084	63%
South Carolina	311,798	3,287,102	67%
Tennessee	123,131	1,362,356	21%
Total	1,359,594	19,149,956	30%

Introduction to Demo

- Currently 170-195 layers on the web apps
- HIFLD Secure and Open data for 16 critical infrastructure sectors
- Open source data for weather, flood gauges and census demographics
- 12+ base maps available including Imagery, Street, Hybrid and others

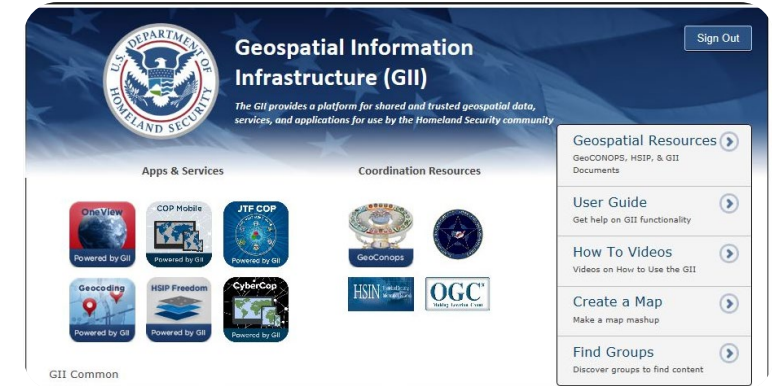


Demo



Platform

- All data and web applications are on DHS's Geospatial Information Infrastructure (GII) Portal
- Must have HSIN account to get on the GII
- THD stakeholders can create accounts and use data and web apps
- Create one group per plant and invite users as appropriate
- Users can add layers and create maps/apps within the group



<https://gii.dhs.gov/gii/home/>

How to Join the Homeland Security Information Network (HSIN)

HSIN access is based on nomination and acceptance into one or more Communities of Interest (COIs). If you are not currently a HSIN user, please send an email to HSIN.Outreach@hq.dhs.gov to request access to HSIN and include the information listed below. The application will be reviewed by the sponsoring organization of the requested COI.

- First and last name
- Valid email address
- Requested COI
- Reason for access



<https://www.dhs.gov/how-join-hsin>

Future Steps

- Detail at FEMA HQ for national rollout started October 2019
- Phase 1 for FEMA Region V completed September 2018 and now in maintenance phase
- Looking into dashboards/apps for each plant and/or sector
- Developing Devolution/COOP application for FEMA Region II and DIR planning information sharing with FEMA Region IV
- Outreach to other Federal Agencies for data and collaboration

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