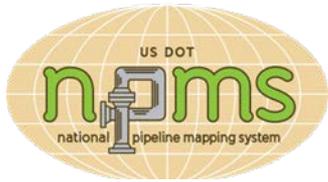


Coastal Ecological Unusually Sensitive Area Public Meeting

Introduction

Leigha Gooding
PHMSA
GIS Coordinator

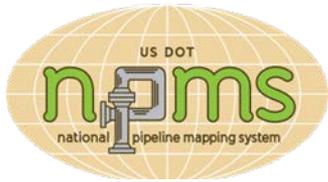




This Introduction will include...

- Why are we here?
- NPMS and Accessing HCA Data
- Today's Format and Agenda
- Key Discussion Points for Today

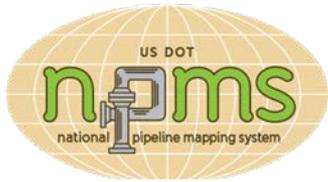




Why are we here?

- PHMSA is here to facilitate and listen
- You are here to discuss unique perspectives for defining and mapping 3 specific areas:
 - The Great Lakes
 - Marine Coastal Waters
 - Coastal Beaches
- Our goal is to learn about options for defining and mapping these areas from various stakeholders and industry, safety, coastal and marine professionals





Why are we here?

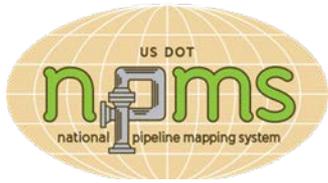
Mandate

Protecting our Infrastructure of Pipelines and Enhancing Safety ([PIPES](#)) Act of 2016:

SEC. 19. UNUSUALLY SENSITIVE AREAS.

(b) Unusually Sensitive Areas (USA) Ecological Resources.-- The Secretary of Transportation shall revise section 195.6(b) of title 49, Code of Federal Regulations, to **explicitly state that the Great Lakes, coastal beaches, and marine coastal waters are USA ecological resources** for purposes of determining whether a pipeline is in a high consequence area (as defined in section 195.450 of such title).





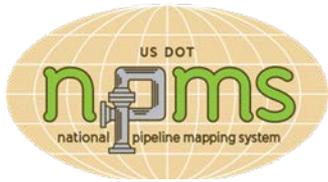
Why are we here?

What the Mandate Means for PHMSA

1. Modify Language in [§ 195.6 \(b\)](#)
2. Define New Terms in [§ 195.6 \(c\)](#)
3. Map New ECO USA Areas per U.S. Code [49 U.S.C. 60132\(d\)](#)

Access maps and GIS data available from the National Pipeline Mapping System (NPMS)



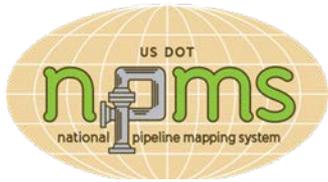


What is the NPMS?

- Geographic Information System (GIS) Database

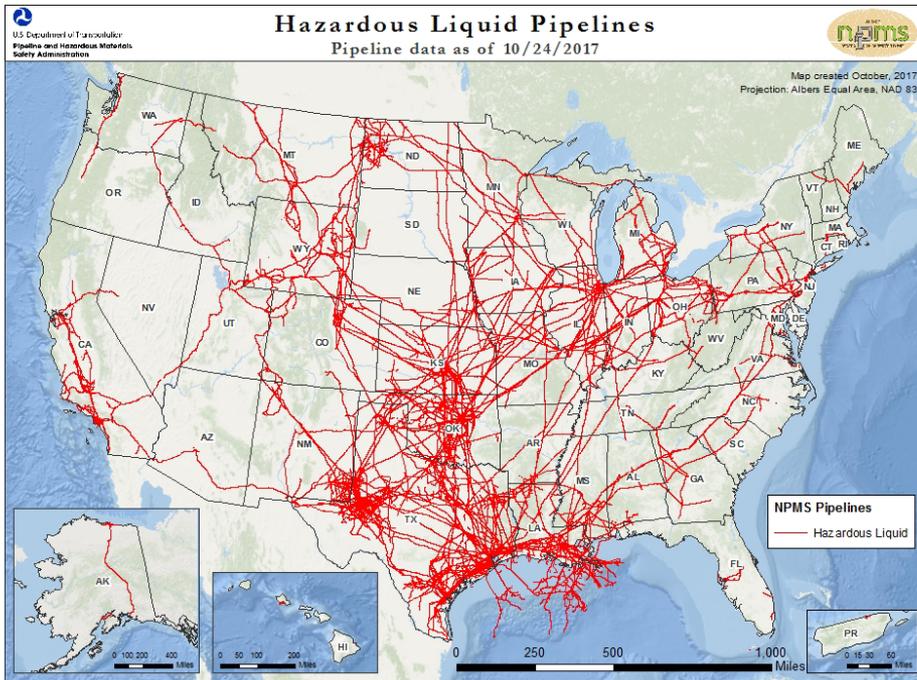
- Location and attributes of:
 - Operator Submitted (yearly updates):
 - Gas Transmission Pipelines <[§191.29](#)>
 - Hazardous Liquid Pipelines <[§195.61](#)>
 - Liquefied Natural Gas Plants (LNGs) <[§195.61](#)>
 - Breakout Tanks (BOTs) <Voluntary>
 - HL Accident and GT Incident Locations (30 day reports)
 - Produced by PHMSA
 - High Consequence Areas (HCAS) <[49 U.S.C. 60132\(d\)](#)>





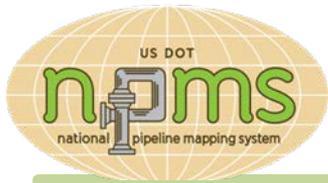
NPMS by the Numbers

- Total Active Pipeline Mileage in the NPMS: **511,341**
- Hazardous Liquid: **210,016**
- Miles Intersecting HCAs: **52,578**
 - HPA: **21,222**
 - OPA: **10,851**
 - # of CNW crossings: 1,796 segments
 - USA DW: **18,600**
 - USA Eco: **14,542**



USA Data Refresh Update : Amy Nelson, GIS Manager





How can I use the NPMS?

- Public Map Viewer
- Public Viewer iPhone App
- Find Who's Operating Pipelines in Your Area
- Download National Pipeline Map
- Download List of Pipeline Mileage by County



GOVERNMENT OFFICIAL

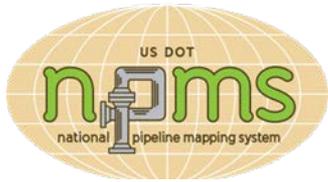
PIPELINE OPERATOR

GENERAL PUBLIC

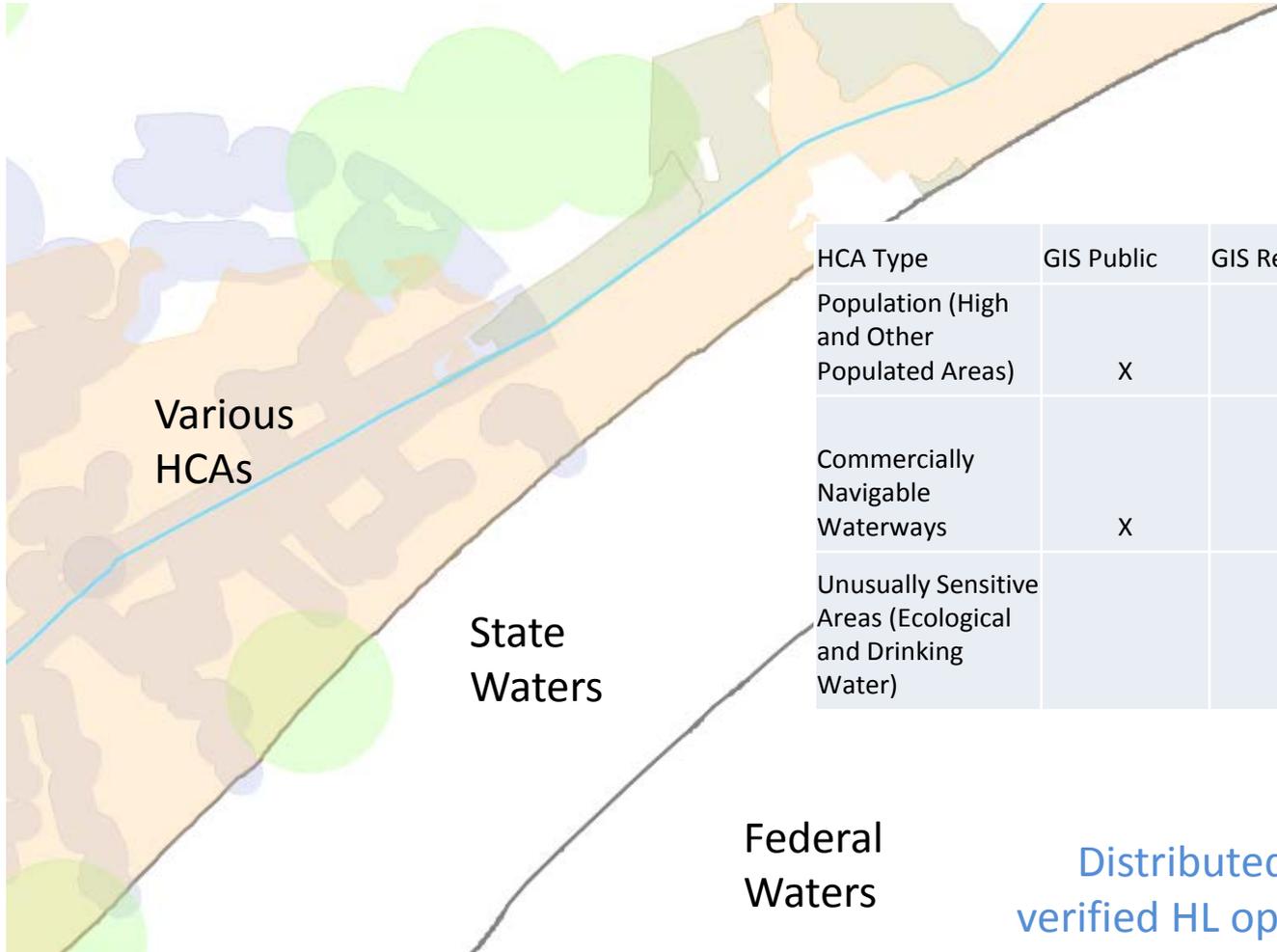
- Pipeline Information Management Mapping Application (PIMMA)
- PIMMA iPhone App
- GIS Data Request

www.npms.phmsa.dot.gov





HCA data and the NPMS

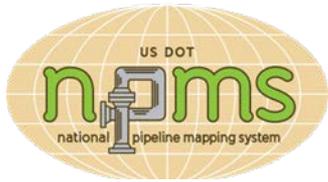


HCA Type	GIS Public	GIS Restricted	PIMMA	Public Viewer
Population (High and Other Populated Areas)	X		X	X
Commercially Navigable Waterways	X		X	
Unusually Sensitive Areas (Ecological and Drinking Water)				



Distributed by state, only to verified HL operators in that state.

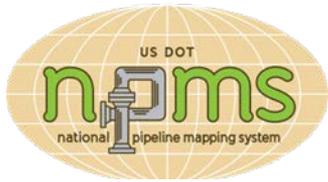




Today's Format and Agenda

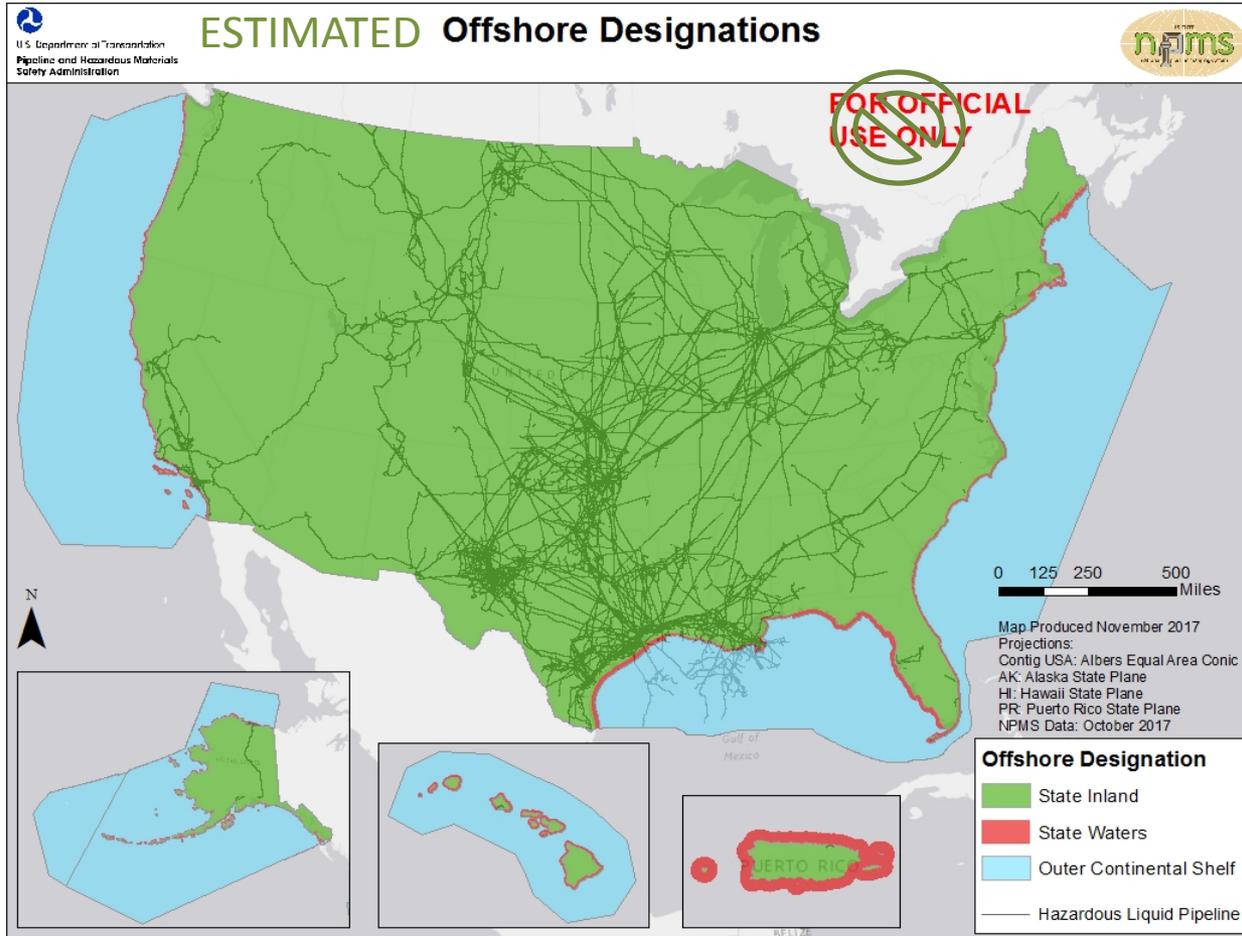
- Panelist presentations to provide context and recommendations from various stakeholders representing industry, pipeline safety, the public, coastal and marine science and GIS professionals
 - Short Q&A after each panelist to clarify content, but please reserve substantive comments and definition recommendations for facilitated discussions
- Unscheduled 10 minute break during the morning and afternoon
- Lunch from 12 to 1:30; Meeting resumes after lunch **in Conference Room 3**
- If necessary, finish panelist presentations after lunch
- Facilitated discussions where all meeting participants can comment and recommend definitions and GIS resources
 - Brief designated open comment period after focused discussions
- Final remarks
- Today's conversations are being transcribed for the record





Discussion points...

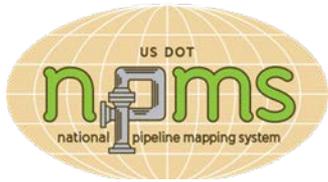
- Active HL Pipeline Miles: 210,016
- Inland Waters along coast: 839
 - 82% not inside of an Eco USA
 - 73% not inside of another HCA
- State Waters: 395
 - 67% not inside of an Eco USA
- Fed Waters: 4,576
 - 90% not inside of an Eco USA



*Based on current Eco USAs, not Eco USA refresh currently underway

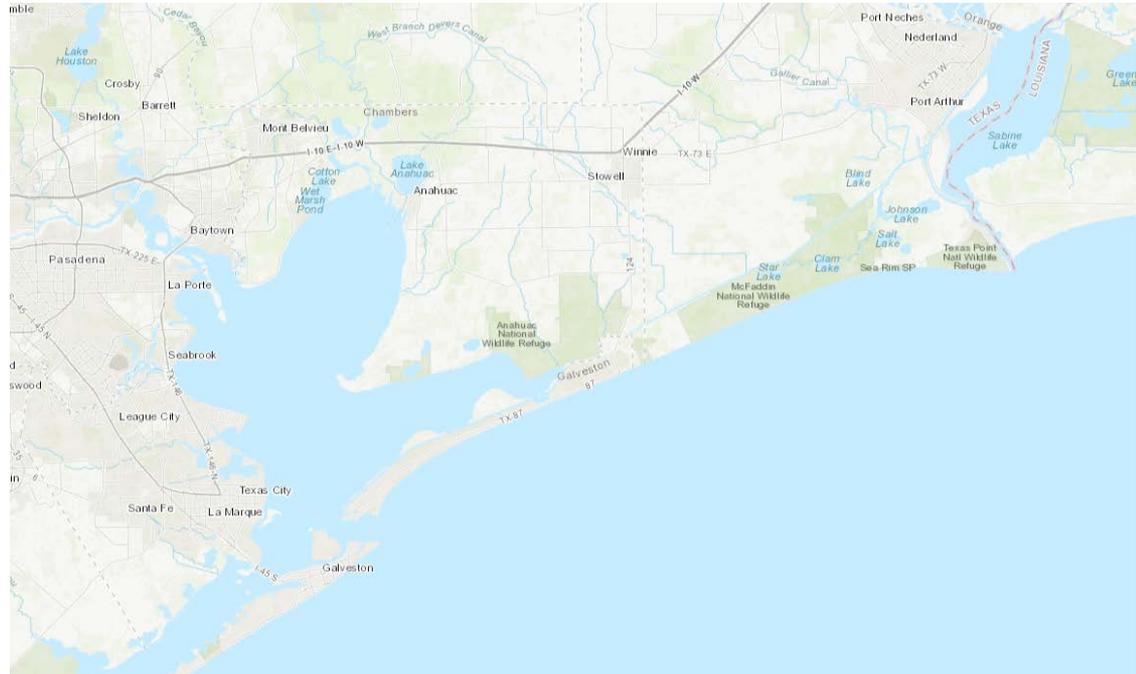
*Does not include could affect mileage

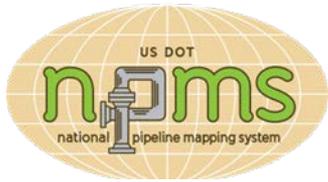




Discussion points...

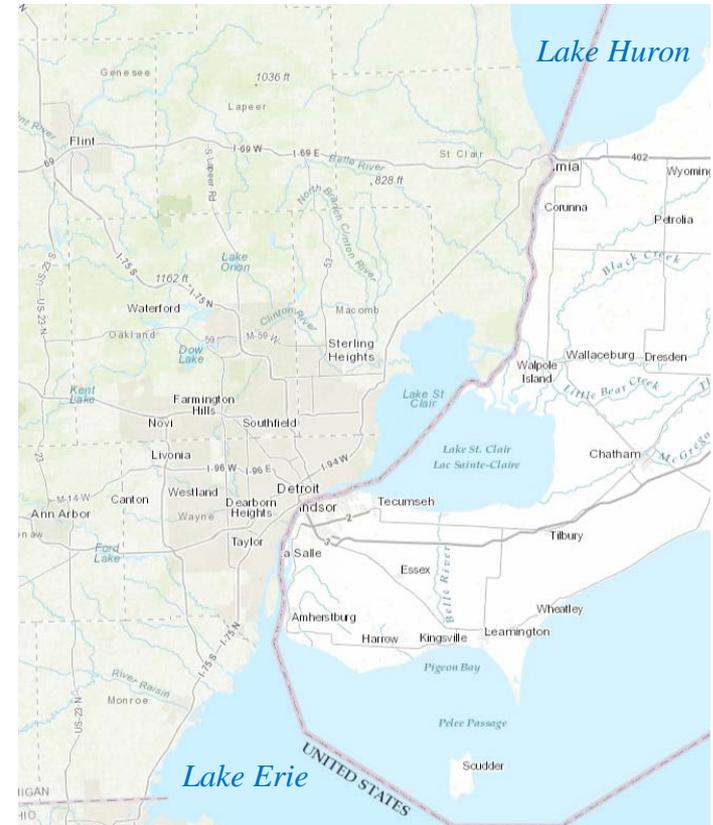
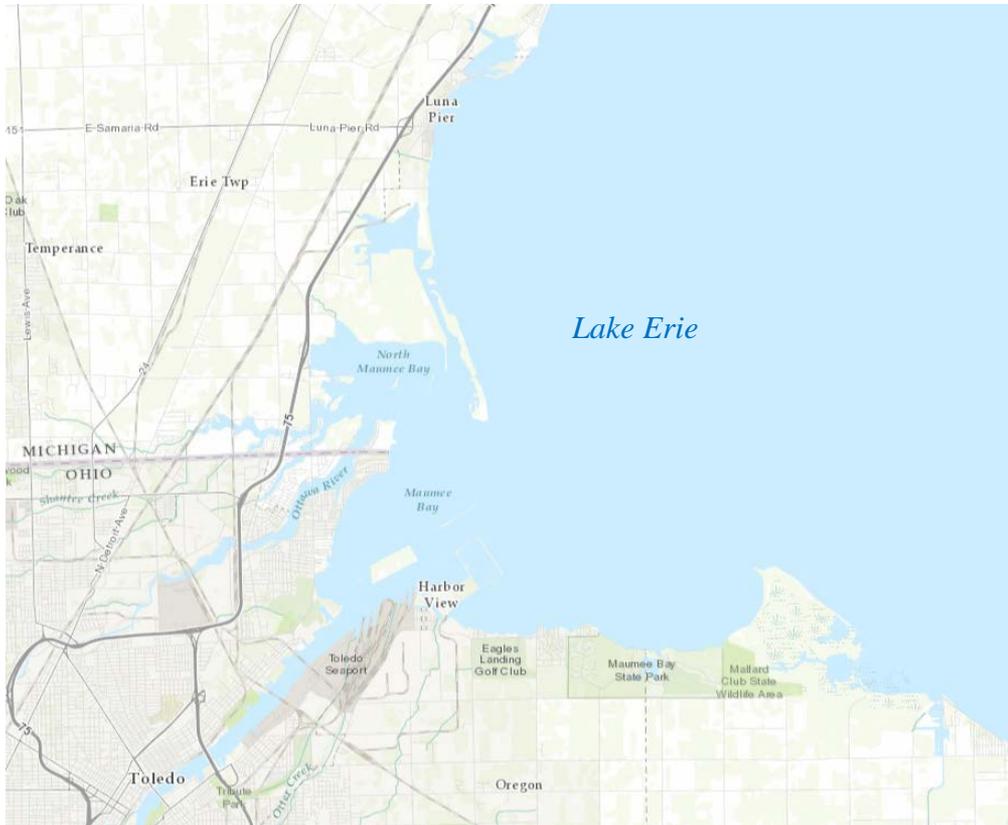
Marine Coastal Waters... Coastline location, Estuaries, Marshes, Brackish waters...

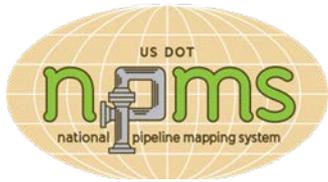




Discussion points...

The Great Lakes... Connecting Waters, Bays, Inlets, Marshes...





Discussion points...

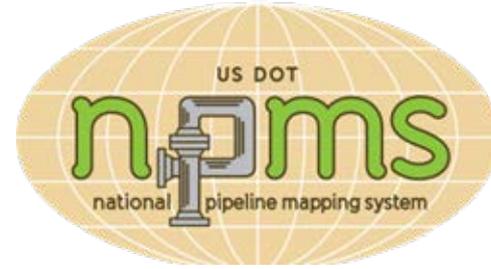
Coastal Beaches... Sand, recreation, rocky, coastline location, inland distance...



THINK SPATIALLY 



GEOGRAPHIC INFORMATION SYSTEMS (GIS)
DEPARTMENT OF TRANSPORTATION



Questions about
NPMS or today's
meeting?

