

# Transportation of Spent Nuclear Fuel and its Impact on Wisconsin

**Presented to the  
Wisconsin Legislative Council  
Special Committee on Nuclear Power  
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**Lisa R. Janairo  
The Council of State Governments  
Midwestern Office**

# Presentation Topics

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- Background on the CSG Midwestern Radioactive Materials Transportation Project
- Impact of shipments on Wisconsin
- Midwestern states' expectations for DOE shipments

# Background

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- The Council of State Governments is a non-profit, non-partisan, regionally based association of state governments.
- CSG Midwest and DOE's Office of Civilian Radioactive Waste Management entered into cooperative agreement in 1989.
- DOE's Office of Environmental Management began supporting the project in 1997.

# Background

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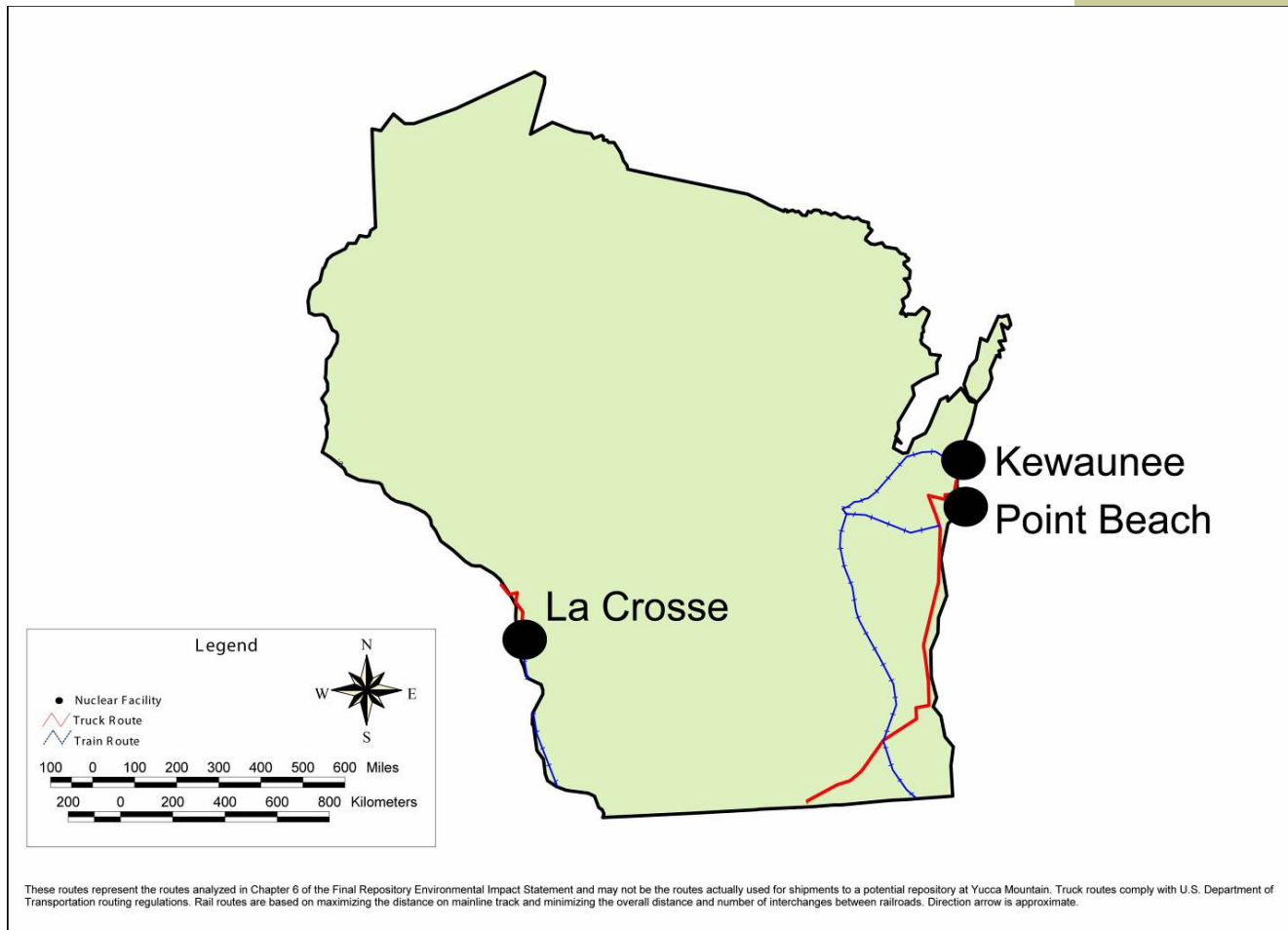
- Transportation project has three components
  - Regional committee
  - Shipment planning
  - Outreach

# Background

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# Impact on Wisconsin



# Impact on Wisconsin

## Wisconsin Nuclear Plants: Spent Fuel Inventories

	<b>Actual Inventory thru 2002</b>	<b>Projected Inventory thru 2011</b>	<b>Projected Inventory thru 2046</b>
<b>Kewaunee</b>	<b>348</b>	<b>451</b>	<b>612</b>
<b>LaCrosse</b>	<b>38</b>	<b>38</b>	<b>38</b>
<b>Point Beach</b>	<b>652</b>	<b>876</b>	<b>1,143</b>
<b>Totals</b>	<b>1,038</b>	<b>1,365</b>	<b>1,793</b>

Inventory in MTHM.

Sources: Projected inventories from DOE's Final Environmental Impact Statement, 2002, DOE/EIS-0250F;  
Actual inventory from DOE's Energy Information Administration.

# Impact on Wisconsin

## Wisconsin Nuclear Plants: Projected Shipment Numbers

	For inventory thru 2011		For inventory thru 2046	
	Rail*	Truck**	Rail *	Truck**
<b>Kewaunee</b>	<b>51</b>	<b>306</b>	<b>87</b>	<b>516</b>
<b>LaCrosse</b>	<b>5</b>	<b>37</b>	<b>5</b>	<b>37</b>
<b>Point Beach</b>	<b>130</b>	<b>653</b>	<b>213</b>	<b>1,051</b>
<b>Totals</b>	<b>186</b>	<b>996</b>	<b>305</b>	<b>1,604</b>

\*under "mostly rail" scenario

\*\*under "mostly truck" scenario

Source: DOE Final Environmental Impact Statement, 2002, DOE/EIS-0250F



# States' Expectations

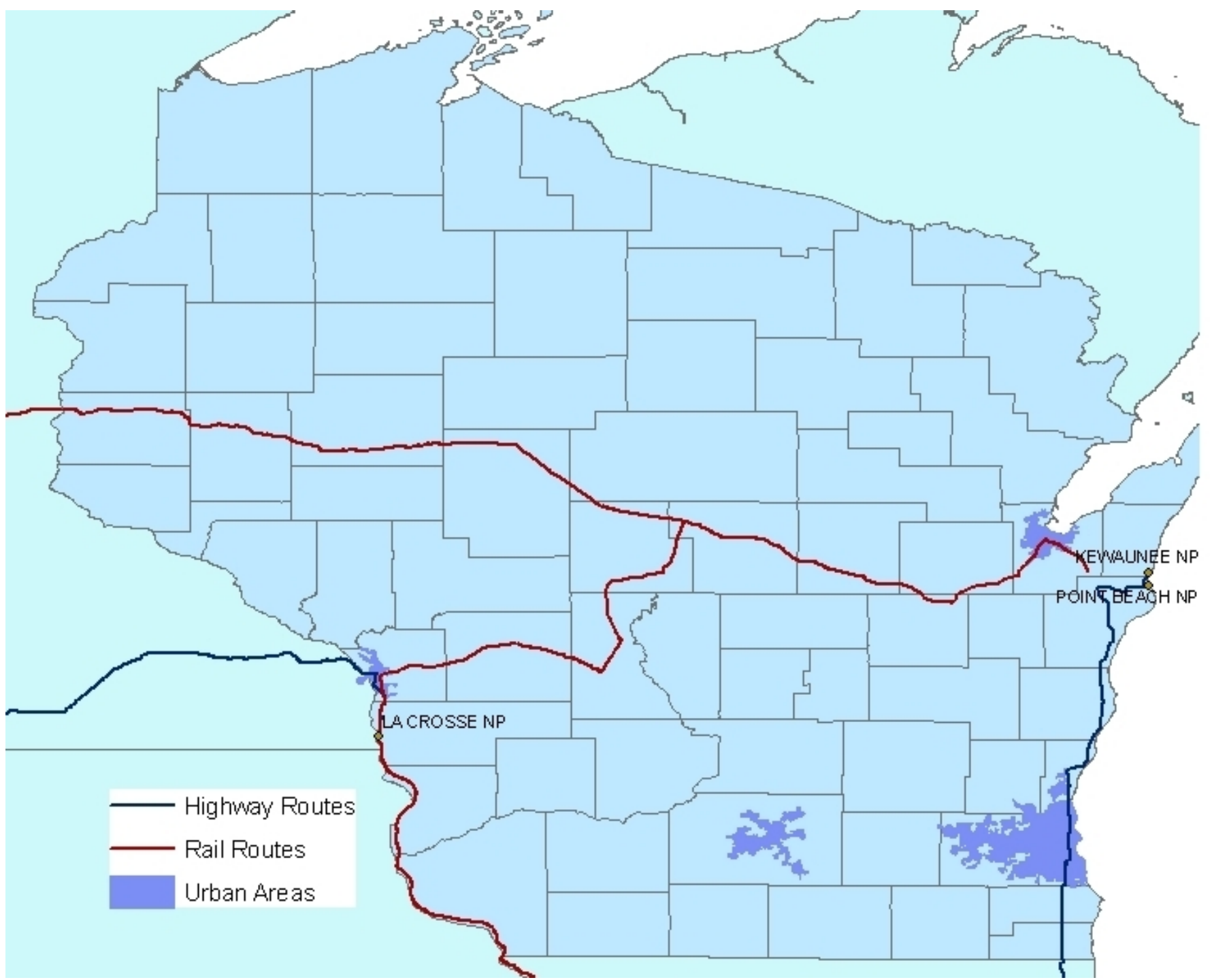
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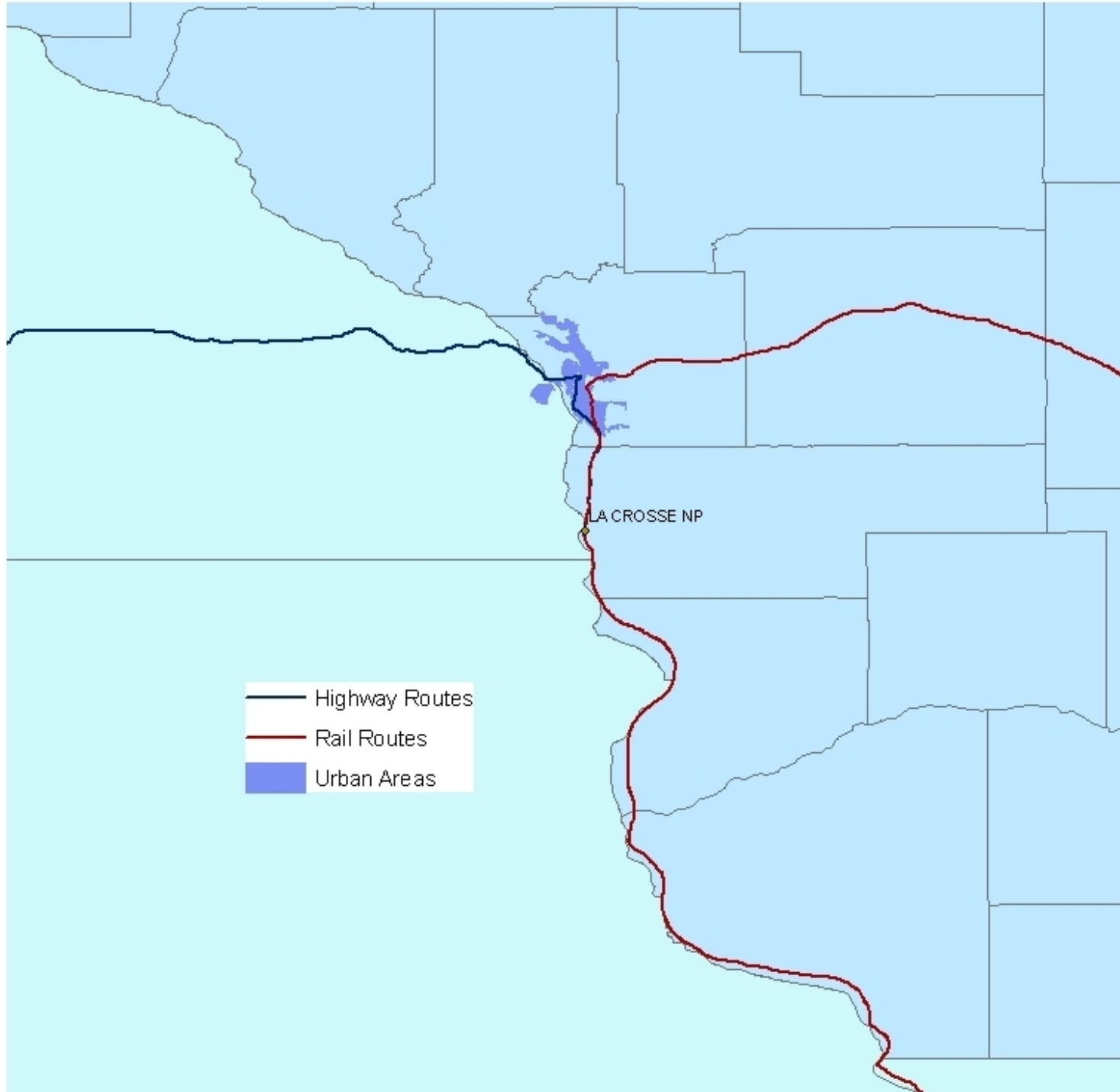
- Midwestern states' expectations for DOE shipments
  - Input into decisions
  - Oversight
  - Funding

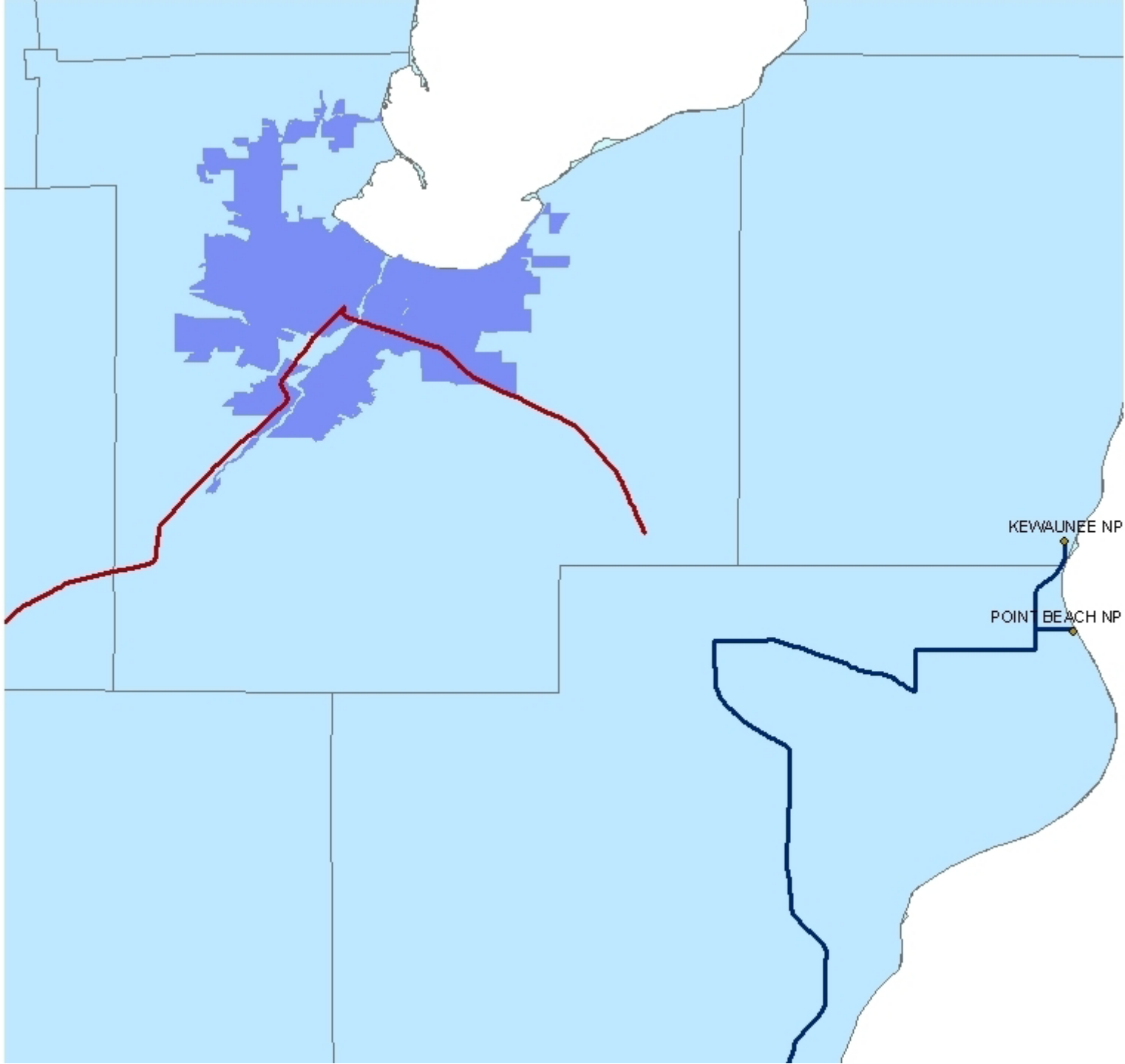
# States' Expectations

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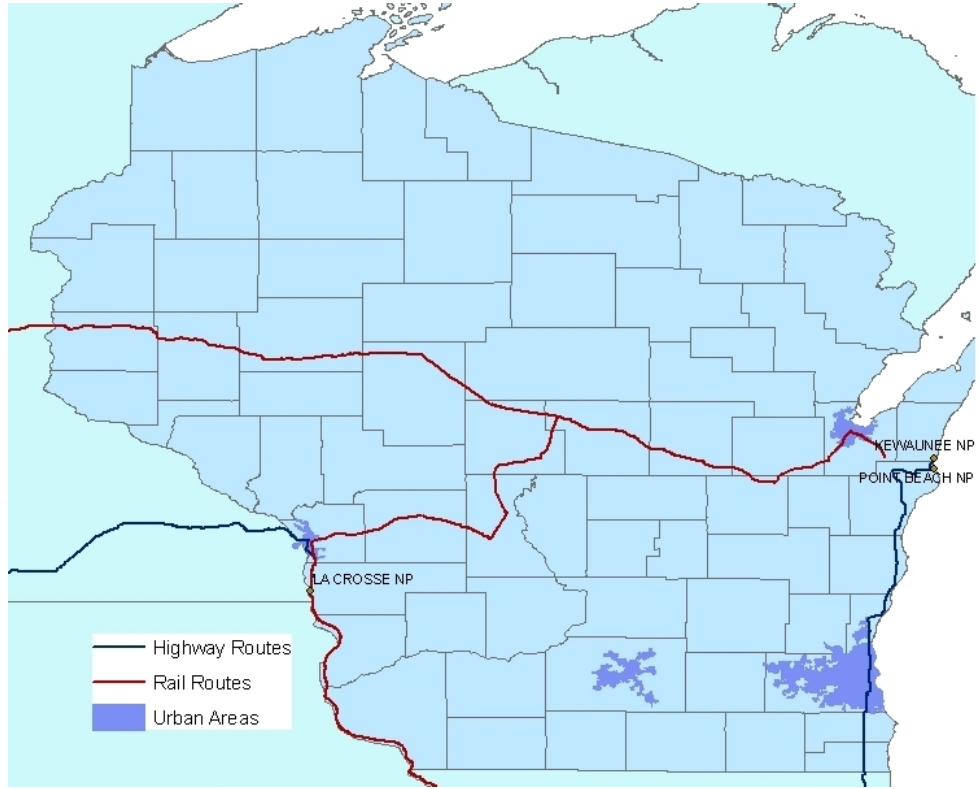
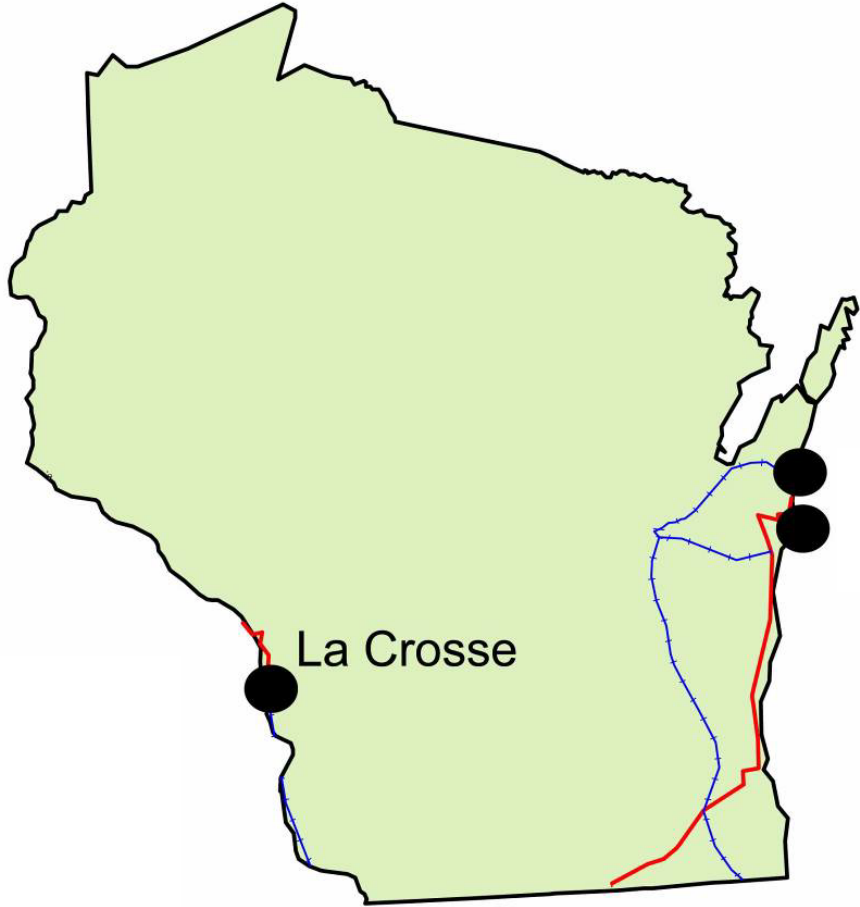
- Input into decisions
  - Mode
  - Dedicated trains
  - Cask selection
  - Transportation plan
  - Routing preferences











# States' Expectations

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## ■ Oversight

- Inspections
- Security
- Shipment tracking
- Emergency preparedness
- Outreach to the public and elected officials



# States' Expectations

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## ■ Funding

- Section 180(c)
  - Only “for training”
- Other DOE funding
  - Congress intended the Nuclear Waste Fund to cover all costs related to waste disposal
  - Will be difficult to work out agreement with DOE
- State fees
  - Five Midwestern states have them and two more considered fee legislation in 2006
  - Fees are simple, apply to all shippers and various shipments, and cover the range of state costs

# Conclusion

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- Midwestern states have experience with shipping campaigns.
- Shipments will occur in Wisconsin, but actual numbers and routes are unknown at this time.
- The state has opportunities to influence how those shipments will take place.
- State involvement in planning and executing shipments is reasonable and does not interfere with shipments.
- Revenue for state activities could come from a variety of sources, including state fees.

# For More Information



Lisa R. Janairo  
Senior Policy Analyst  
CSG Midwest  
PO Box 981  
Sheboygan, WI 53082  
920.458.5910  
859.244.8001 (fax)  
[ljanairo@csg.org](mailto:ljanairo@csg.org)  
[www.csgmidwest.org](http://www.csgmidwest.org)