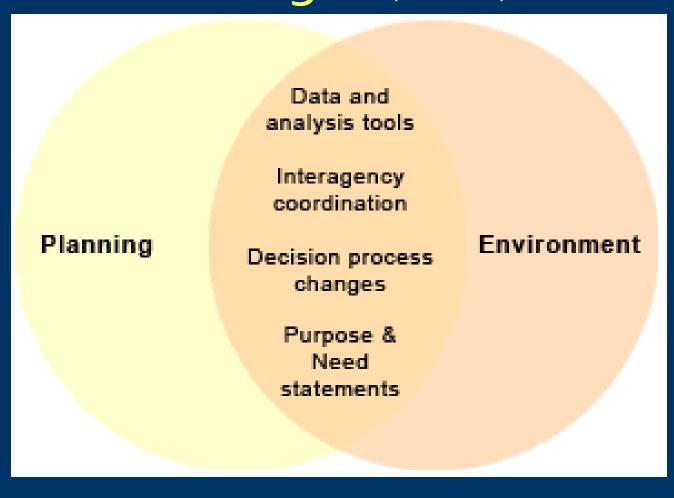
Integrating Planning Decisions in the NEPA Process

Planning Conference South Charleston, WV September 16-17, 2009

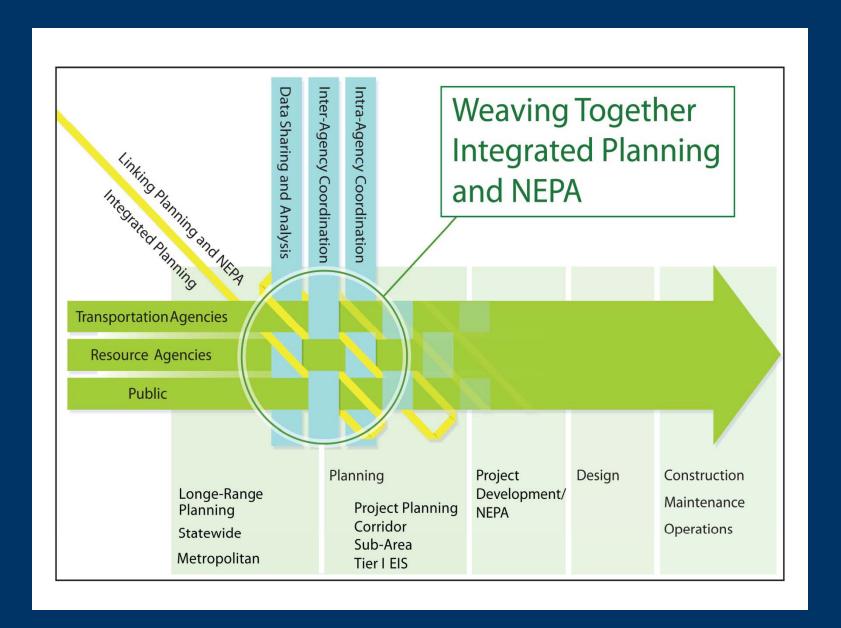
Planning and Environment Linkages (PEL)



What is PEL?

- An APPROACH to transportation decisionmaking
- A PROGRAM promoting tools and resources
- Supports FHWA/FTA Planning and NEPA Regulations

Elements of PEL



Benefits of PEL

- Address complex environmental challenges early and avoid environmentally sensitive natural resources
- Design projects that meet mobility, environmental and community needs
- Minimize potential duplication of efforts and data within the planning and NEPA processes
- Improved relationship with resource agencies

Feedback to FHWA

From Transportation Agencies:

- Need more guidance
- Lack of examples
- Mitigation?
- Flexibility is good
- Not another planning requirement
- Need training

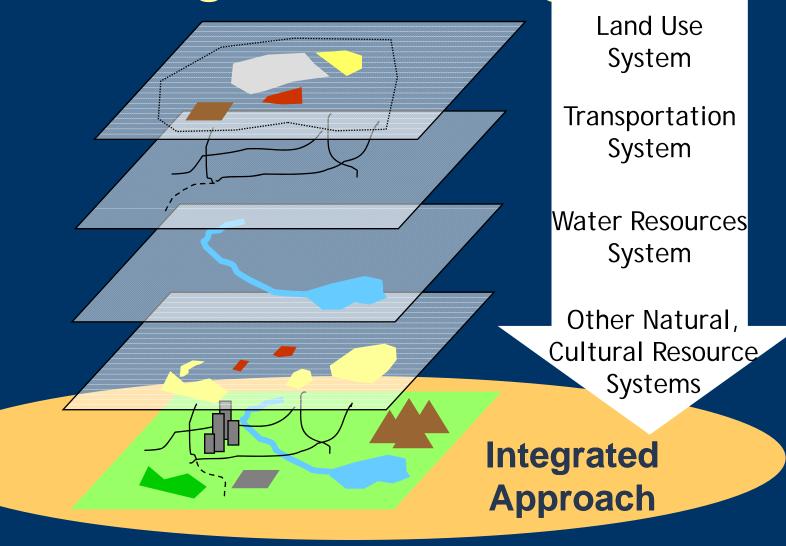
From Resource Agencies:

- Great opportunity
- Don't have the resources
- Early input may affect ability to make decisions later
- Need training
- How to be useful, provide valuable input
- Don't understand their role

Where we are based on the GAO

- In progress, too soon to tell
- Several existing obstacles
 - Limited funding and staff at resource agencies
 - Limited incentives to contribute
 - Unfamiliarity with the other's processes
- Opportunities recognized
 - Improved project management
 - Weed out critical issues early
 - Agencies informed and involved early

Integrated Planning



Opportunities to support multiple community goals and improve quality of life

Integrating Planning Requires a New Way of Doing Business

From... To...

A focus on delivering transportation outputs	A focus on achieving multiple outcomes that are consistent with community and resource agency goals
An understanding of the effects of specific transportation modes	An understanding of the transportation system and how that system fits within broader human and natural systems
Separate planning based on who owns and operates infrastructure and services	Collaborative planning based on achieving sound system-wide outcomes
Planning transportation and land use separately	Planning transportation and land use concurrently and iteratively to achieve desired outcomes
Transportation planning often does not recognize environmental factors	Environmental affects and advanced mitigation are considered during transportation planning

Regulatory Requirements

23 U.S.C. Parts 133 and 134 Require:

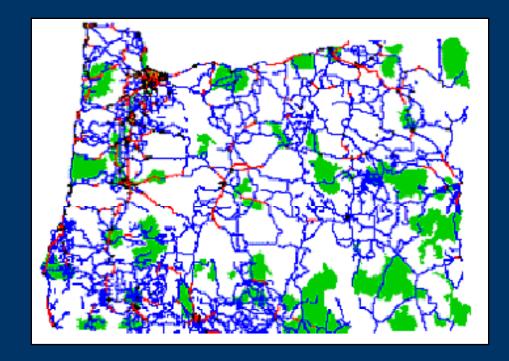
- Resource agency consultation
- Potential Environmental Mitigation

Reflected in 2007 Planning Regulations 23 C.F.R. § 450

Consultation Requirements

Requires comparison of transportation plans with available

- State conservation plans or maps
- Inventories of natural or historic resources
- Consultation with Agency Experts



STIP overlaid on map of conservation opportunity areas

Environmental Mitigation Requirements

Environmental mitigation activities are "intended to be regional in scope, and may not necessarily address potential project-level impacts."

- 23 CFR 450.104



Environmental Mitigation Examples

Example:

South Carolina DOT – Carolina Bays Ecosystem Initiative

Example:

Mississippi DOT –

Deaton Ecological Preserve





West Virginia Efforts

- WVU research to identify potential wetland mitigation sites for WVDOH
- Private wetland and stream banks
- Maintenance and expansion of Greenbottom Wetland Complex by Wal-Mart
- WVDOH considering development of sole source wetland and stream mitigation banks

Tools & Methods for Integrating Transportation and Environmental Plans and Data

Education and Training

Provides agencies with a common understanding of one another's roles and responsibilities.

Example:

FHWA's Linking Conservation & Transportation Planning Workshops

Formalizing Interagency Coordination

Interagency Agreements can foster the early and continuous involvement of environmental, regulatory, and resource agencies in the planning process.

Sample Actions:

- Establish interagency work groups or committees
- Develop MOUs/MOAs

Interagency Coordination – An Example

Example:

Transportation Resource Agency Consultation and Environmental Streamlining (TRACES)

Example:

Colorado's Planning and Environmental Linkages Partnering Agreement

Fund Resource Agency Positions

Use of Federal-aid and/or State funds to provide dedicated staffing at resource agencies

WVDOT Funded Positions

- State Historic Preservation Office (SHPO)
 - Funding is provided to SHPO allowing WVDOH to set project priorities and to ensure expedited review
- United States Army Corps of Engineers
 - Funding is provided for one full time Regulatory Specialist
 - This position works solely on WVDOH projects
 - Works with WVDOH to set project priorities
- These positions are generally utilized in the project review and clearance process
- A greater emphasis needs to be placed on their interaction in the planning process

Data and Information Sharing

What are the other plans or inventories that might be considered?



Additional WVDOH Efforts

- Blanket Approval for Threatened and Endangered Species
- WVDOH District Environmental Coordinators clearance of minor projects
- Environmental GIS screening of ARRA projects
- ASAP Bridge Program
- Historic Bridge Inventory
- Wetland and stream mitigation tracking
- Freshwater mussel survey program

NEPAssist: A Web-Based Mapping Application for Environmental Review and Assessments





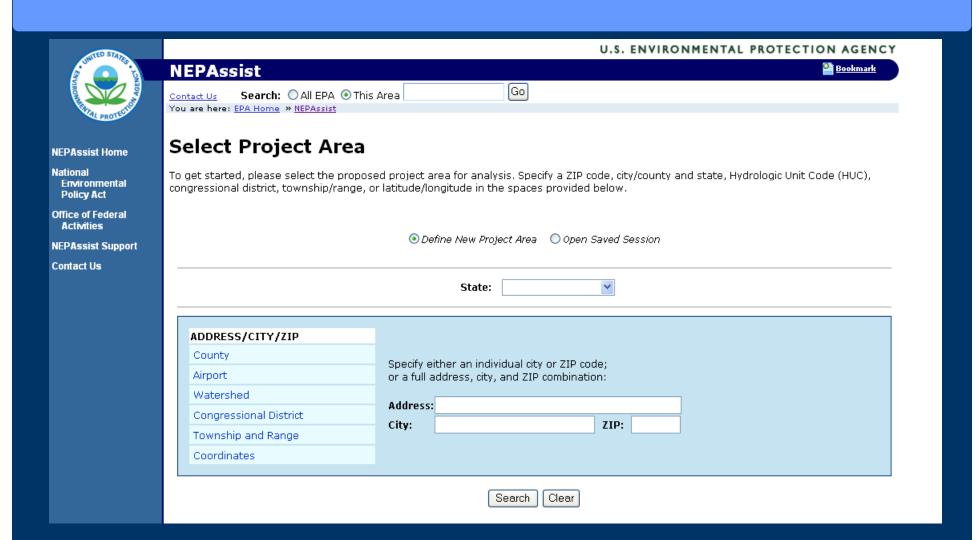
Why NEPAssist?

- NEPA National Environmental Policy Act
- Simplify the Process for Review of EISs and EAs
- Access to Core Geo-Data
- Environmental Screening of all Proposed Projects
- Streamlined Review Process

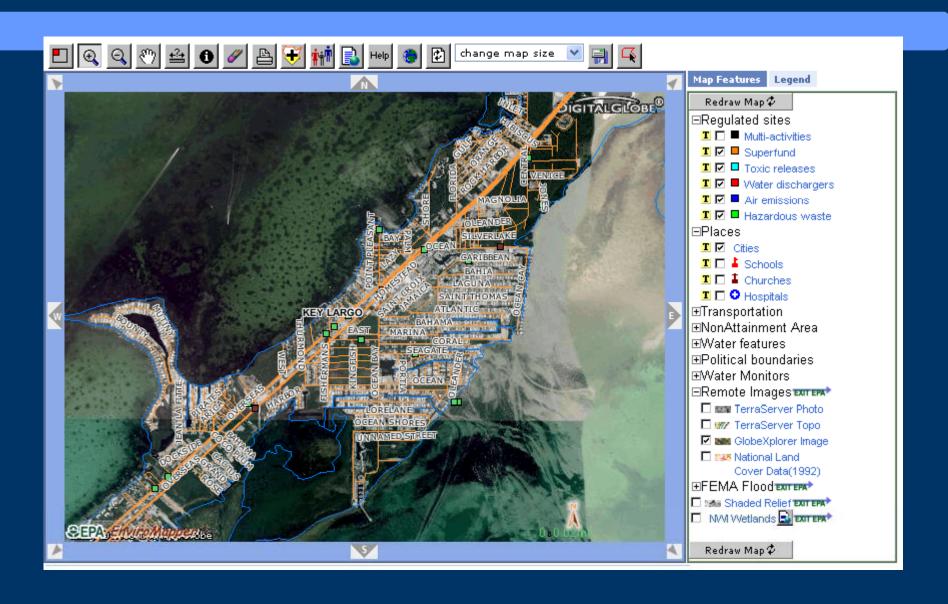
NEPAssist Overview

- Aides in the Development of NEPA Documents
- Web-based GIS Tool ... No training; No licensing; No desktop configuration; No desktop data needed
- Distributed Geo-Spatial Application ... via
 Web Services
- Provides Easy Access to Consistent Datasets

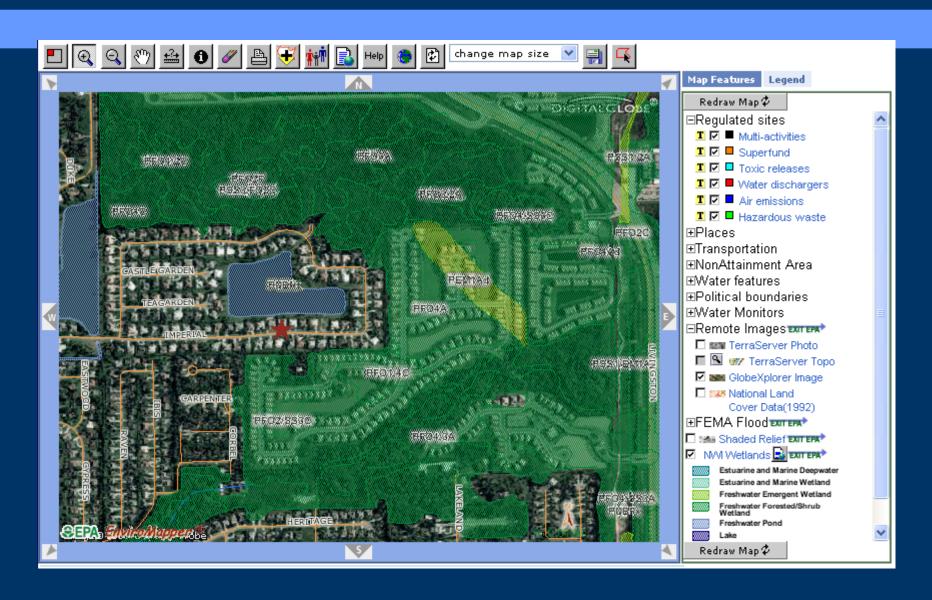
Select Study Area



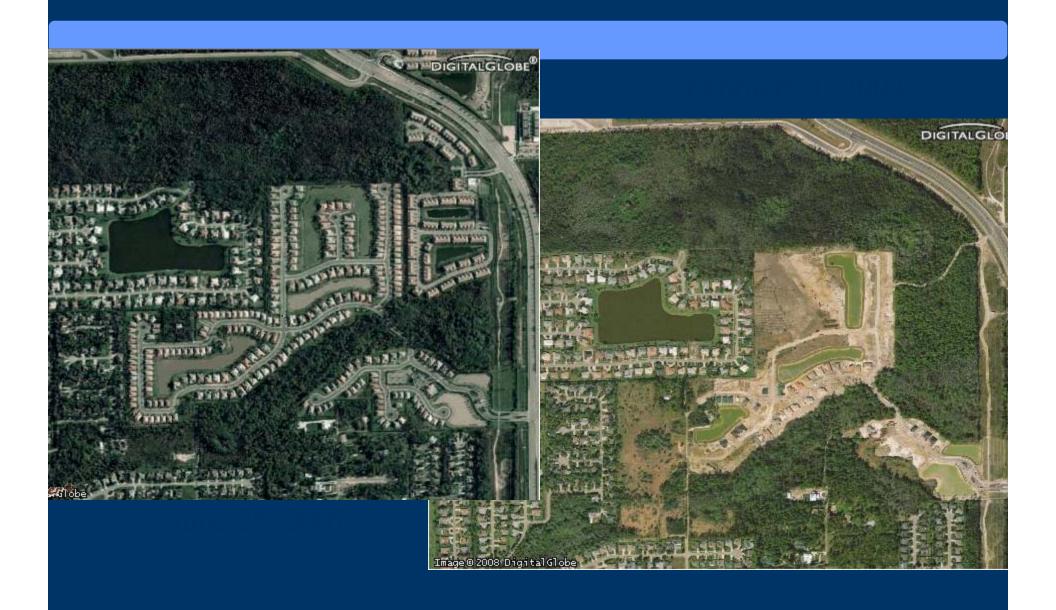
Interactive Map



Add Data Layers



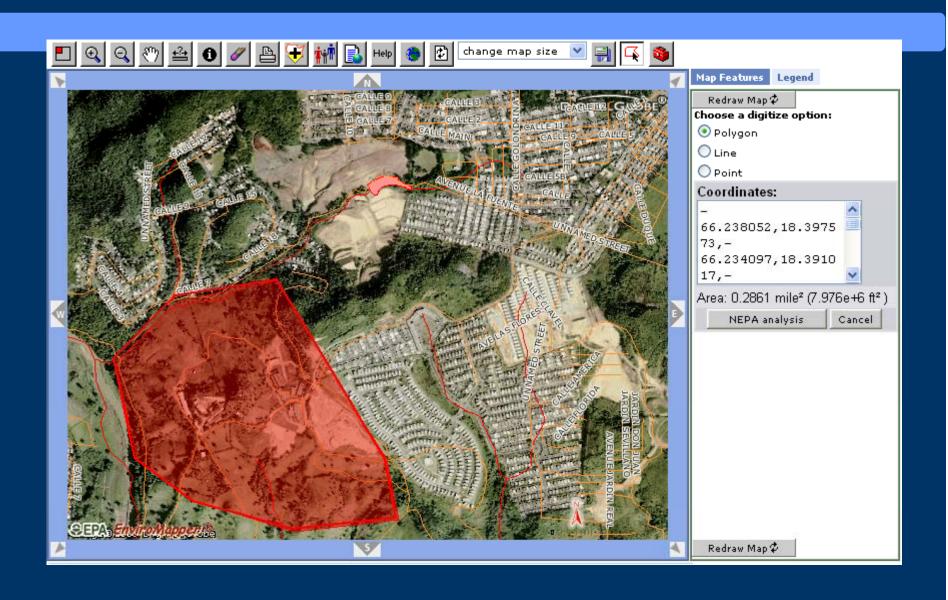
Historic Imagery



Historic Imagery



Digitize Project Location



Preliminary Environmental Assessment

Sites	
Within 400 meters of a school?	<u>yes</u>
Within 400 meters of a hospital?	<u>no</u>
Within 400 meters of a port?	<u>yes</u>
□Nonattainment	
Within 400 meters of a SOx nonattainment area?	<u>no</u>
Within 400 meters of a lead nonattainment area?	<u>no</u>
Within 400 meters of a CO nonattainment area?	<u>no</u>
Within 400 meters of an ozone nonattainment area?	<u>yes</u>
⊟EcoSystem	
Within 400 meters of an area of level 4 ecoregions?	<u>yes</u>
Within 400 meters of a designated sole source aquifer?	<u>yes</u>
Within 400 meters of a designated priority watershed?	<u>no</u>
Within 400 meters of a major river?	<u>yes</u>
Within 400 meters of a designated 100-year FEMA floodplain?	<u>yes</u>
Within 400 meters of a National, State, or Local forest or park?	<u>no</u>
Within 400 meters of a National wildlife refuge?	<u>no</u>
Within 400 meters of a managed land/conservation area?	<u>no</u>
Within 400 meters of a wild and scenic river?	<u>no</u>
Within 400 meters of a designated AL NWI wetlands area?	<u>no</u>
Within 400 meters of a designated FL NWI wetlands area?	<u>yes</u>
Within 400 meters of a designated GA NWI wetlands area?	<u>no</u>

A GIS tool that assists with the review process of Environmental Impact Statements and Environmental Assessments



EPA Region Specific Reports

EJ areas within 300 meters ?	Yes	
Within 200 meters of nonattainment area for SO2?	No	
Within 400 meters of a wetland protected under section 404 of the Clean Water Act?	Yes	
Within an area that exceeds the median risk indicator amount for the state as		Sites
determined by the Toxic Risk Inventory Screening Tool?	Yes	Within 400 meters of a school?
Within an area that exceeds the median risk indicator amount for the state as	Yes	Within 400 meters of a hospital?
determined by the National-Scale Air Toxics Assessment?		Within 400 meters of a port?
Within State and Local Parks?	No	□Nonattainment
Within 400 meters of a Wild and Scenic River ?	No	Within 400 meters of a SOx nonattainment area?
Within 400 meters of a 303(d) listed reaches?	Yes	Within 400 meters of a lead nonattainment area?
Within Fish and Wildlife Service Refuge?	No	Within 400 meters of a CO nonattainment area?
Within National Forest ?	No	Within 400 meters of an ozone nonattainment area?
Within 400 meters of Coral Reefs ?	No	⊟EcoSystem
		Within 400 meters of an area of level 4 ecoregions?



Within 400 meters of a designated sole source aquifer?

Within 400 meters of a designated priority watershed?

Within 400 meters of a major river?

Within 400 meters of a designated 100-year FEMA floodplain?

Within 400 meters of a National, State, or Local forest or park?

Within 400 meters of a National wildlife refuge?

Within 400 meters of a managed land/conservation area?

Within 400 meters of a wild and scenic river?

Data Drill Downs

Sites	
Within 400 meters of a school?	<u>yes</u>
Within 400 meters of a hospital?	no /
Within 400 meters of a port?	yes
□Nonattainment	
Within 400 meters of a SOx nonattainment area?	<u>no</u>
Within 400 meters of a lead nonattainment area?	<u>no</u>
Within 400 meters of a CO nonattainment area?	<u>no</u>
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Name	Distance	Units
Casino Princesa Mooring.	0	meters
City of Miami, Miamarina at Bayside Outer Wall Mooring.	50.44	meters
Marine Spill Response Corp., Bays 201 to 204.	250.65	meters
DuPont Plaza Hotel Wharf.	257.86	meters
City of Miami, Miamarina at Bayside Basin.	260.08	meters



Name	Distance	Units
Biscayne NP	11.07	kilometers
Thompson Park	28.46	kilometers
Everglades NP	31.21	kilometers
South Beach Park	37.76	kilometers
Holiday Park	39,43	kilometers
Hugh Taylor Birch State Park	40.70	kilometers
John Pennekamp Coral Reef Stat	47.87	kilometers

NEPAssist Benefits

- Raises Important Environmental Issues at the Earlier Stages of Project Development
- Enhances Collaboration with Other Agencies for the Review of NEPA Documents
- Provides Easy Access to Region Specific Geo-Data
- Customized Regional Assessments
- Streamlined Review Process

Linking Planning and NEPA

Unifying Planning and NEPA Decision-Making

Transportation planning often does not incorporate environmental factors Environmental agencies have little **Traditional** understanding of or influence on transportation plans and programs **Environmental** Planning decisions are often revisited under Analysis in the **NEPA** Project Planning/ Environmental reviews often are conducted without knowledge of prior planning studies **Project** and activities **Development Stage** Pubic and elected officials become impatient, confused, frustrated over apparent revisiting of previous decisions

How Can Planning Products be used in NEPA?

Transportation Planning

Transportation Deficiencies & Needs

Problem Statement

Solutions Evaluation & Screening

Preferred Solutions

Documentation

NEPA Decision Making

Project Scoping

Purpose & Need

Alternatives

Preferred Alternative

Using Planning Products in the Purpose and Need

Transportation Planning

Transportation Deficiencies & Needs

Problem Statement

Solutions Evaluation & Screening

Preferred Solutions

Documentation

NEPA Decision Making

Project Scoping

Purpose & Need

Alternatives

Preferred Alternative

Using Planning Products in the Development of Alternatives

Transportation Planning

Transportation Deficiencies & Needs

Problem Statement

Solutions Evaluation & Screening

Preferred Solutions

Documentation

NEPA Decision Making

Project Scoping

Purpose & Need

Alternatives

Preferred Alternative

Using Planning Products to Develop the Preferred Alternative

Transportation Planning

Transportation Deficiencies & Needs

Problem Statement

Solutions Evaluation & Screening

Preferred Solutions

Documentation

NEPA Decision Making

Project Scoping

Purpose & Need

Alternatives

Preferred Alternative

Documentation

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Problem Statement

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Preferred Solutions

Documentation

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Project Scoping

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Alternatives

Preferred Alternative

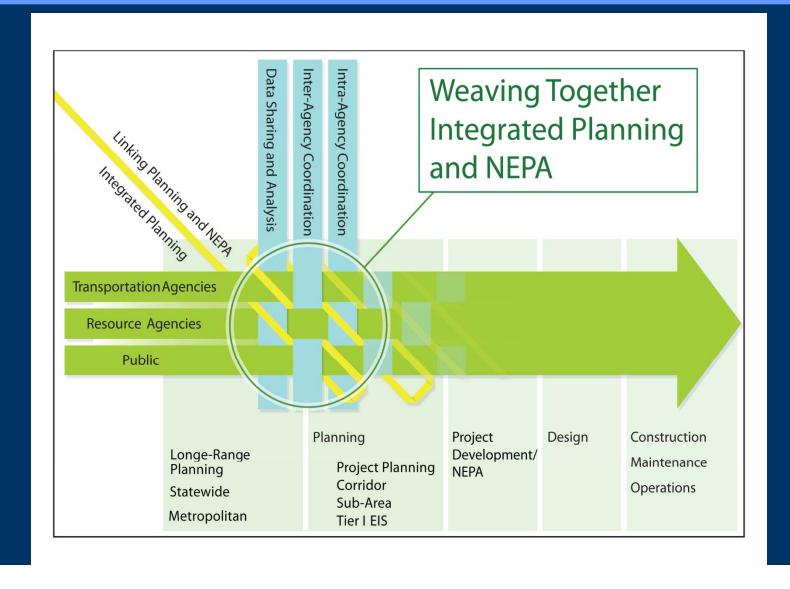
Documenting Planning-Level Information for NEPA

There are three potential levels of documentation:

- Identification of issues or concerns that will need to be studied during NEPA
- Passing data or analyses from planning to NEPA
- Accepting planning decisions in NEPA



Summary



PEL website

http://environment.fhwa.dot.gov/integ/index.asp



Planning and Environment Linkages

Search the website

Overview

Implementation

Effective Practices

Publications

Integrated Planning Work Group

Training & Workshops

Data & Analysis Tools

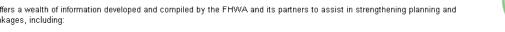
PEL Legislation, Regulations and Guidance

> More Information Website Feedback

Overview

Welcome to the FHWA's website on Planning and Environment Linkages

This website offers a wealth of information developed and compiled by the FHWA and its partners to assist in strengthening planning and environment linkages, including:



- Benefits of using a Planning and Environment Linkages approach.
- Implementation tools and examples of how other agencies strengthen Planning and Environmental
- Effective Practices from states nationwide, including case studies on activities that encourage the integration of planning and the environment.
- Publications that provide information on benefits and techniques to integrate planning and
- Training & Workshop opportunities to gain knowledge and practical skills to undertake PEL
- Data & Analysis Tools to achieve stronger linkages between planning and the environment.
- Legislation, Regulations and Guidance.

Benefits of Planning and Environment Linkages

State and local agencies can achieve significant benefits by incorporating environmental and community values into transportation decisions early in planning and carrying these considerations through project development and delivery. Benefits include:

- Relationship-building benefits: By enhancing inter-agency participation and coordination efforts and procedures, transportation planning agencies can establish more positive working relationships with resource agencies and the public.
- · Process efficiency benefits: Improvements to inter-agency relationships may help to resolve differences on key issues as transportation programs and projects move from planning to design and implementation. Conducting some analysis at the planning stage can reduce duplication of work. leading to reductions in costs and time requirements, thus moving through the project development process faster and with fewer issues.
- On-the-ground outcome benefits: When transportation agencies conduct planning activities equipped with information about resource considerations and in coordination with resource agencies and the public, they are better able to conceive transportation programs and projects that serve the community's transportation needs more effectively. This leads to smaller negative impacts, and incorporates more effective environmental stewardship.

For questions or feedback on this subject matter content, please contact Mike Culp or Sharlene Reed. For general questions or web problems, please send feedback to the web administrator.



What's New!

Colorado's PEL Partnering Agreement among CDOT, FHWA, FTA, Federal and State resource agencies, regional organizations/agencies, and regulatory and land management agencies

A Linking Conservation and Transportation Planning Workshop was held in Nevada to showcase conservation planning tools and explore opportunities for data sharing and collaborative decision making.

What is a Planning and **Environment Linkage?**

Planning and Environment Linkages represent an approach to transportation decision-making that considers environmental, community, and economic goals early in the planning stage and carries them through project development, design, and construction

This can lead to a seamless decisionmaking process that minimizes duplication of effort, promotes environmental stewardship, and reduces delays in project implementation.

Who is Involved?

- Transportation planners
- NEPA practitioners
- · Resource agency staff involved in conservation planning or NEPA
- Public

PEL website

http://environment.fhwa.dot.gov/integ/index.asp



Effective Practices

Integrated Planning Work Group

Training & Workshops

Data & Analysis Tools

PEL Legislation, Regulations and Guidance

> More Information Website Feedback

implementation categories that each case study addresses.

Click on the following aspects of the transportation decision-making process to learn more about how it relates to PEL. Click on the title of each case study to view the complete report.

- Long-Range Planning
- Corridor Planning
- Linking Planning and NEPA

Learn About PEL Activities Nationwide

Learn about PEL activities from across the country and discuss important questions and issues with your peers through the

- Environmental Streamlining and Stewardship State Practices Database
- Re:NEPA's Transportation Planning and NEPA linkages topic area

Long-Range Planning

Long-Range Planning is the process by which statewide and metropolitan transportation organizations develop multimodal transportation plans looking at least 20 years into the future. Key areas where transportation organizations must address environmental considerations in long range-planning include:

- Consultation Compare transportation plans to natural and cultural resource inventories, maps or plans. Consult with Federal, State, Tribal and local agencies as appropriate. (23 CFR 450 Parts 212 and 214)
- Mitigation Explore potential environmental mitigation opportunities and potential areas to carry out those activities in consultation with Federal, State, and Tribal land management, wildlife, and regulatory agencies. (23 CFR 450 Parts 212 and 214)

State	Case Study	Inter-Agency Coordination & Consultation	Mitigation	Spatial Data & Tools; <u>GIS</u>	Process Guidelines or Changes
Colorado	Geospatial Environmental and Community Analysis in Pueblo and El Paso Counties	X	X	X	х
Colorado	PEL Partnering Agreement NEW!	×			Х
Georgia	MPO 2030 Long Range Transportation Plan — Chatham Urban Transportation Study, Savannah Region				Х
Illinois	2030 Regional Transportation Plan for Northeastern Illinois — Chicago Area Transportation Study				Х
Michigan	SEMCOG Integrates Environmental Issues in Its Regional Transportation Plan (RTP)	Х	Х	Х	Х
New York	New Visions 2021 — Capital District Transportation	Х			

Information Resources

Additional Resources:

 PEL Website: http://environment.fhwa.dot.gov/integ/index.asp

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