

REBUILD BY DESIGN

MEADOWLANDS



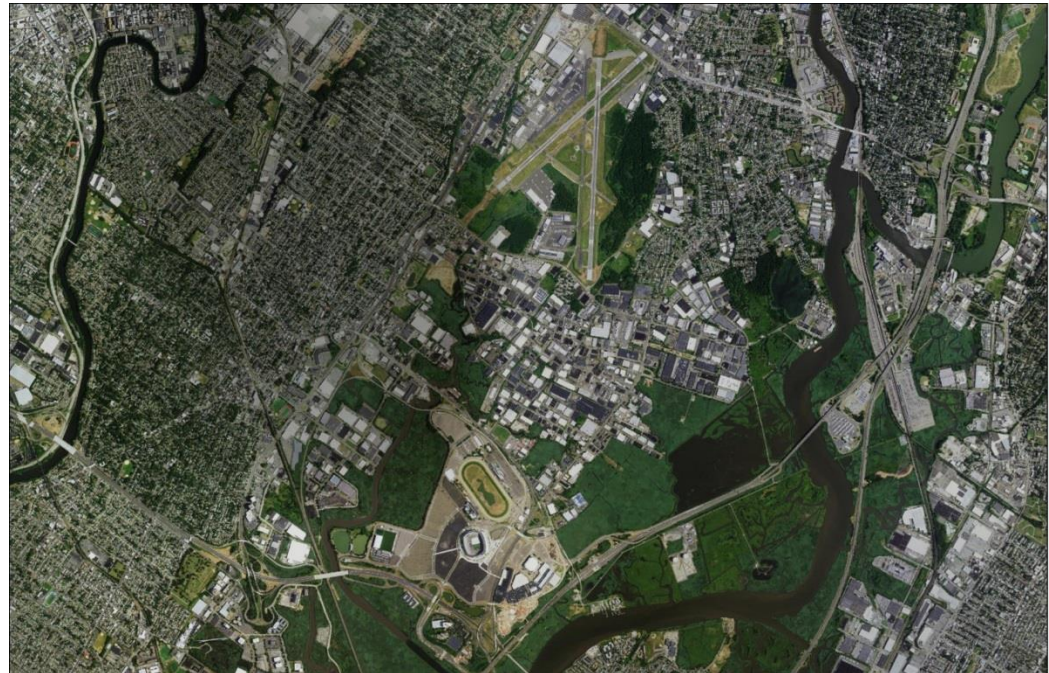
FLOOD PROTECTION PROJECT

Boroughs of Little Ferry,
Moonachie, Carlstadt, and
Teterboro, and the Township
of South Hackensack in
Bergen County, New Jersey

August 11, 2016

CITIZEN ADVISORY GROUP (CAG) MEETING #3

Public Scoping Results Alternatives Screening Criteria and Metrics



REBUILD BY DESIGN MEADOWLANDS

AECOM

- 1. Project Status Review and Meeting Objectives**
- 2. Review and Discuss Public Scoping Results**
- 3. Review and Discuss Initial Screening Criteria**
- 4. Next Steps**
- 5. Questions and Answers / Closure**

Linda Fisher, NJDEP, RBDM Project Team Manager

Meeting Objectives:

- Provide Project Status Update
- Review results of Public Scoping (June 20 to July 21, 2016)
- Initial Screening Criteria – obtain input from the CAG tonight
 - Screening criteria (opportunities/constraints/objectives)
 - Metrics for each criterion

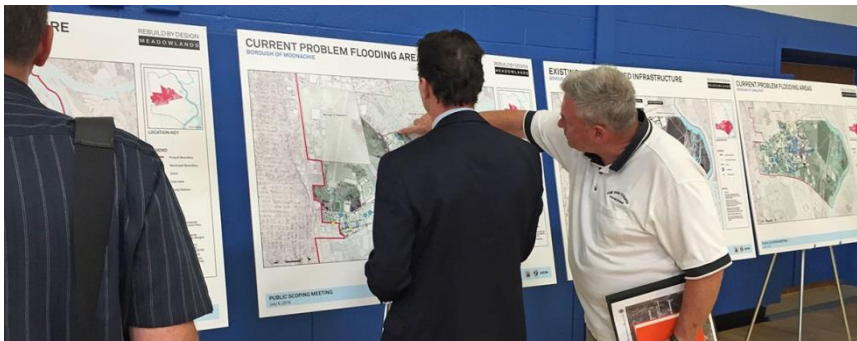
**Input will be used to further develop
the Initial Screening Criteria.**

Project status update:

- Introduce Kim McEvoy, NJDEP, RBD Environmental Team Manager
- Public Scoping Comment Period closed on July 21, 2016
 - Reviewing received comments
 - Developing Final Public Scoping Document
 - Developing the Public Scoping Summary Report
- Developing the Preliminary Draft EIS
- Monthly newsletter has started – posted on website!
- Concept Alternatives Development (WO #3) underway
 - Developing initial concepts for further screening and review

Brian W. Boose, AECOM NEPA Regional Director

Results of the Public Scoping Process:



- Total comments received (83)
- Total commenters (24)
- Federal agencies, local organizations, private citizens, and universities

Main topics:

- Technical Resource Areas (33)
- Build Alternatives (19)
- Proposed Action (19)
- Public Scoping / Outreach (7)
- Purpose and Need (3)
- Cumulative Effects (2)

Resource areas receiving most comment, in order:

- Biological Resources (17)
- Water Resources, Water Quality, and Waters of the U.S. (6)
- Hazards and Hazardous Materials (4)
- Hydrology and Flooding (3)
- Recreation (1)
- Cultural and Historic resources (1)
- Visual Quality / Aesthetics (1)
- Socioeconomics and Community / Population and Housing
- Environmental Justice
- Transportation and Circulation
- Noise
- Air Quality
- Greenhouse Gas Emissions (GHG)
- Global Climate Change
- Utilities and Service Systems
- Public Services
- Geology and Soils
- Coastal Zone Management
- Mineral and Energy Resources
- Agricultural Resources and Prime Farmlands

INITIAL SCREENING CRITERIA WORKSHOP

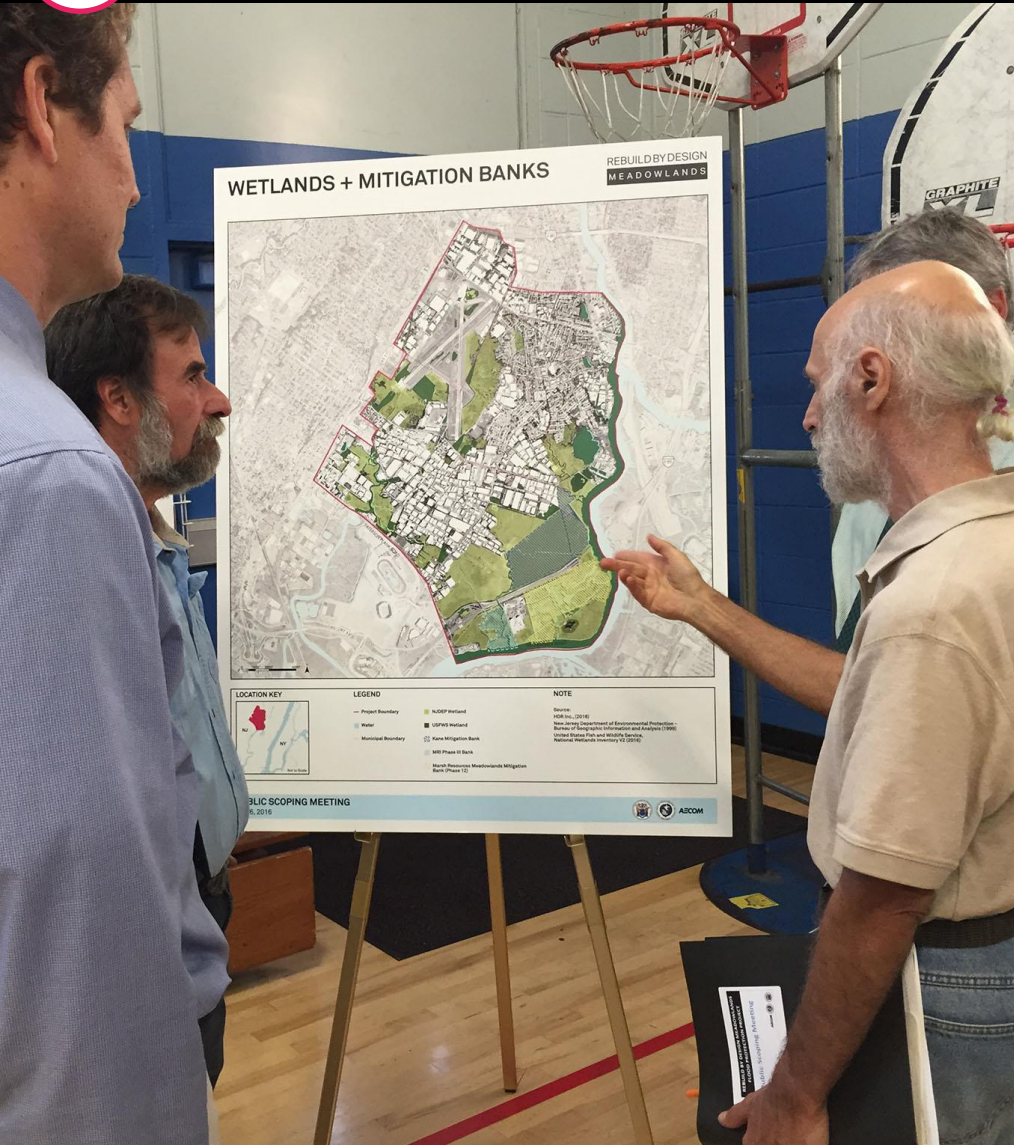
Initial Screening Criteria Matrix, including criteria and metrics:

- Draft (see handout)
- Used to evaluate concepts
- Will lead to the identification of the Build Alternatives

PURPOSE & NEED COMPONENT	SCREENING CRITERION	COMPARATIVE CONCEPT SCREENING METRICS			PLEASE NOTE THIS IS A DRAFT, WORK IN PROGRESS that will evolve as planning evolves. Not meant for public circulation beyond the ESC/CAG.
		GOOD	FAIR	POOR	
FLOOD RISK REDUCTION	Reduces Flood Risk from Coastal Storm Surge (Parameters 1-3)	Protects the greatest amount of the Project Area (located within the 100-year floodplain) from coastal storm surge risk.	Protects a moderate amount of the Project Area (located within the 100-year floodplain) from coastal storm surge risk.	Protects the least amount of the Project Area (located within the 100-year floodplain) from coastal storm surge risk.	Plan induces increased flooding from coastal storm surge in the Project Area or elsewhere.
	Reduces Flood Risk from Rainfall Interior Drainage Challenges (Parameters 1-3)	Provides improved discharge corridors and/or natural storm water storage for most high priority inflow locations/situated flooding areas in the Project Area.	Provides improved discharge corridors and/or natural storm water storage for some high priority inflow locations/situated flooding areas in the Project Area.	Provides improved discharge corridors and/or natural storm water storage for few to none high priority inflow locations/situated flooding areas in the Project Area.	Plan may induce increased flooding from interior rainfall in the Project Area or elsewhere.
	Provides Protection to Vulnerable and Underserved Populations	Protects the greatest number of vulnerable and underserved populations as compared to other concepts.	Protects a moderate number of vulnerable and underserved populations as compared to other concepts.	Protects least number of vulnerable and underserved populations as compared to other concepts.	Plan provides no improved protection to vulnerable or underserved populations, and/or increases the risk to these populations.
	Provides Protection to Critical Infrastructure (emergency and public services, hospitals, transit facilities)	Protects the greatest amount of critical infrastructure as compared to other concepts.	Protects a moderate amount of critical infrastructure as compared to other concepts.	Protects the least amount of critical infrastructure as compared to other concepts.	N/A
BUILT ENVIRONMENT/HUMAN ENVIRONMENT	Effects to Existing Utilities & Utility Infrastructure	Requires no or only limited relocations of existing utility infrastructure.	Requires a moderate amount of relocations of existing utility infrastructure.	Requires a large amount of relocations of existing utility infrastructure. However, these impacts could be mitigated in concert with Project implementation.	N/A
	Effects to Existing Transportation Network, Local Traffic, and Connectivity	Includes features to improve connectivity (vehicles, bike, pedestrians) of the street system that would improve connections and traffic circulation. However, the concept would not adversely effect existing or future-planned connectivity. Would result in some adverse impacts to transportation infrastructure. Would not result in any long-term transportation improvements.	Does not include features to improve connectivity (vehicles, bike, pedestrians) of the street system that would improve connections and traffic circulation. However, the concept would not adversely effect existing or future-planned connectivity. Would result in some adverse impacts to transportation infrastructure. Would not result in any long-term transportation improvements.	May decrease connectivity or traffic circulation at some locations and/or conflict with future opportunities to improve connectivity (vehicles, bike, pedestrians). Would result in significant adverse impacts to transportation infrastructure during construction or operation. Would not result in any long-term transportation improvements.	N/A
	Effects on Land Acquisition/Housing Displacements	May result in land use improvements over the long term. Would not require acquisition/assessments and/or demolition of housing and permanent relocations.	Would not result in land use improvements over the long term. Would require minimal acquisition/assessments and/or demolition of housing and permanent relocations.	Would require numerous acquisition/assessments and/or demolition of housing and permanent relocations.	Would result in extensive land acquisition/assessments and/or demolition of housing and permanent relocations.
	Potential to Provide Increased Waterfront Access	Includes features that would improve waterfront access within the Project Area.	Does not include features that would improve waterfront access within the Project Area.	Would decrease waterfront access within the Project Area.	Would eliminate waterfront access within the Project Area and/or preclude future waterfront access within the Project Area.
	Effects to Recreational, Civic, and Cultural Amenities and Uses	Incorporates many new and/or improved amenities to support recreational, commercial, and cultural activities.	Incorporates few new and/or improved amenities to support recreational, commercial, and cultural activities.	Incorporates no new and/or improved amenities to support recreational, commercial, and cultural activities.	N/A
	Effects to Viewshed and Local Visual Quality	Includes features that would enhance views of water and other natural areas.	Does not include features that would enhance views of water and other natural resources.	Includes features that would eliminate or reduce views of water and natural areas.	N/A
CONSTRUCTION, MAINTENANCE & OPERATIONS	Constructability	No need to relocate major infrastructure and no major disruption to business operation/public access during construction.	Some need to relocate major infrastructure and/or some major disruption to business operation/public access during construction.	Need to relocate major infrastructure and/or would result in major disruption to business operation/public access during construction.	Construction could not be completed within the scope and budget of the Project.
	Minimizes Long-Term Maintenance & Operation Requirements for Overall System	Features include a large proportion of permanent, self-sustaining structures, with lower deployable or high maintenance structures, that require a low, long-term operations and maintenance commitment. Few or no features with potential for human error are included.	Features include a moderate proportion of permanent, self-sustaining structures, with more deployable or high maintenance structures, that require a moderate, long-term operations and maintenance commitment. Features with potential for human error are included.	Features include a small proportion of permanent, self-sustaining structures, with a greater number of deployable or high maintenance structures, that require a high, long-term operations and maintenance commitment. Several features with potential for human error are included.	N/A
	Potential to Complete by 2022	High probability that construction would meet Project temporal requirements. Permits required pose no/low risk to project schedule.	Moderate probability that construction would meet Project temporal requirements. Permits required pose a moderate risk to project schedule.	Low probability that construction would meet Project temporal requirements. Permits required pose a significant risk to project schedule.	Construction and initial operating condition could not be achieved by 2022.
NATURAL ENVIRONMENT	Effects to Existing Hazardous Waste Sites	Features may facilitate the implementation of remedial investigation and remedial actions or reduce the potential to spread contamination, a long-term beneficial effect.	Features are primarily compatible with ongoing remedial investigations and remedial actions.	Features would interfere with ongoing remedial investigations or remedial actions, but not preclude such investigations or actions.	Significant impacts to hazardous waste sites, remedial investigations, and/or remedial actions, and/or results in potential to spread contamination in the environment.
	Effects to Berry's Creek Remediation	No potential for physical, hydrologic, or hydraulic impacts to Berry's Creek Study Area that may impact remediation plan.	Potential physical, hydrologic, or hydraulic impacts to Berry's Creek Study Area that may impact remediation plan.	Physical, hydrologic, or hydraulic impacts to Berry's Creek Study Area that may impact remediation plan.	Would result in significant impacts to Berry's Creek remedial activities, and/or result in potential to spread contamination in the environment.
	Effects on the Transport of Environmental Contaminants/Sediments during Flood Events	In affected areas, would prevent the inadvertent transport of unsecured hazardous materials during flooding. Unsecured hazardous materials would not be re-suspended. No increase in impacts in unaffected areas.	The resuspension of contaminated sediments may occur, but effects would be of short duration and could be mitigated using best management practices. No increase in impacts in unaffected areas.	In affected areas, unsecured hazardous materials would continue to be subject to transport by floodwaters as under current conditions. The ongoing resuspension of contaminated sediments would occur, as would the continued dispersion of same throughout the environment similar to existing levels.	Would increase transportation or resuspension of contamination and/or contaminated sediments during flood events as compared to current conditions.
	Effects to Ecological Resources, including Wetlands, "Waters of the U.S.," and Water Quality	Includes features that protect and/or enhance ecological resources in the Project Area. Would result in long-term ecological resource improvements.	Does not include features that protect and/or enhance ecological and water resources in the Project Area. Would result in no potential for long-term ecological resource improvements. Overall neutral or minor adverse effects would be expected.	Includes features that would result in adverse impacts to ecological and water resources over the long term. Concept does not include features that would protect and/or enhance water resources in the Project Area.	Would result in significant adverse impacts to ecological and/or water resources in the Project Area or elsewhere, and/or would impact existing wetland mitigation banks and ongoing wetlands restoration activities.
	Effects to Fisheries and Essential Fish Habitat (EFH)	Includes features that protect and/or enhance connectivity of fisheries habitats and/or facilitate fish migration. No adverse impacts to EFH.	Does not include features that protect and/or enhance connectivity of fisheries habitats and/or facilitate fish migration. Moderate adverse impacts to EFH, including the potential loss of EFH.	Does not include features that protect and/or enhance connectivity of fisheries habitats and/or facilitate fish migration. Moderate adverse impacts to EFH, including the potential loss of EFH.	Would result in significant adverse impacts to EFH in the Project Area or elsewhere.
	Effects on Other Sensitive Ecological Resources (e.g., Protected Species)	Includes features that protect and/or enhance protected species habitats. No adverse effects to protected species.	Does not include features that protect and/or enhance protected species habitats, but may afford opportunities for further habitat enhancements. No adverse effects to protected species.	Does not include features that protect and/or enhance protected species habitats, and does not afford opportunities for further habitat enhancements. Potential adverse effects to protected species.	Would result in significant adverse effects to protected species.
	Effects to Historic and Prehistoric Cultural Resources	Includes features that protect and/or enhance cultural resources management in the Project Area. No effects to cultural resources listed on or potentially eligible for listing on the National Register of Historic Places.	Does not include features that protect and/or enhance cultural resources management in the Project Area. No adverse effects to cultural resources listed on or potentially eligible for listing on the National Register of Historic Places.	Does not include features that protect and/or enhance cultural resources management in the Project Area. No adverse effects to cultural resources listed on or potentially eligible for listing on the National Register of Historic Places.	Would result in significant adverse impacts to cultural resources in the Project Area or elsewhere.
	Provides Benefits to the Project Area and Community	High potential to achieve maximum monetary benefits, including flood risk reduction, co-benefits, and others.	Moderate potential to achieve monetary benefits, including flood risk reduction, co-benefits, and others.	Low potential to achieve monetary benefits, including flood risk reduction, co-benefits, and others.	No potential to achieve monetary benefits, including flood risk reduction, co-benefits, and others.
COSTS & BENEFITS	Can be Implemented within Available Funding Limits	Concept could be implemented within available funding limits.	NA	Cost to implement concept exceeds available or other identified funds, but a subset of the concept's features that achieve independent utility could be implemented within available funding limits.	Concept could not be implemented within available or other identified funding limits.
	Has a Positive Benefit/Cost Ratio (BCR)	Concept has a high potential to have a BCR > 1.0	Concept has a moderate potential to have a BCR > 1.0	Concept has a low potential to have a BCR > 1.0	Concept has no potential to have a BCR > 1.0
		GOOD	FAIR	POOR	POTENTIAL FATAL FLAW*

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Group “Whiteboard Review”

- Are any criteria not needed?
- Are we missing any criteria?
- Are the metrics for each criterion accurate?

Submit comments by
August 19, 2016 on Initial
Screening Criteria Matrix at
rbd-meadowlands@dep.nj.gov

Linda Fisher, NJDEP Project Manager

NJDEP / AECOM upcoming activities:

- Prepare Meeting Summary for this meeting
- Continue developing:
 - Initial Alternatives and Concepts
 - Final Public Scoping Document
 - Public Scoping Summary Report
 - Preliminary Draft EIS
- Update and refine Initial Screening Criteria Matrix

CAG: Call to Action

- Submit comments by **August 19, 2016** on Initial Screening Criteria Matrix at rbd-meadowlands@dep.nj.gov
- Review and comment on Meeting Summary for this meeting
- Share information from this Meeting with friends and neighbors
- Educate your friends and colleagues on the project and NEPA process
- Continue to build interest in the Project
- Continue obtaining information, ideas, and potential concerns from constituents
- Ensure the public knows about upcoming information (to be posted on Project website)



Critical Schedule Dates (approximate):

Tuesday, September 20

CAG Meeting #4: Concept Screening (tentative)

Tuesday, October 24

CAG Meeting #5: Concept Alternatives (tentative)



Dennis Reinknecht	<i>NJDEP, RBD Program Manager</i>
Linda Fisher	<i>NJDEP, RBDM Project Team Manager</i>
Alexis Taylor	<i>NJDEP, RBD Outreach Team Leader</i>
Robert Marcolina	<i>NJDEP, RBDM Project Manager</i>
Kim McEvoy	<i>NJDEP, RBD Environmental Team Leader</i>
Christopher Benosky	<i>AECOM, RBD Program Manager</i>
Garrett Avery	<i>AECOM, RBD Project Manager</i>
Brian W. Boose	<i>AECOM, NEPA Project Director</i>
Jennifer Warf	<i>AECOM, Deputy Project Manager</i>
Brian Beckenbaugh	<i>AECOM, Outreach</i>
Alyson Beha	<i>HUD, Region II Senior Regional Planner</i>

Website: www.rbd-meadowlands.nj.gov

E-mail: rbd-meadowlands@dep.nj.gov

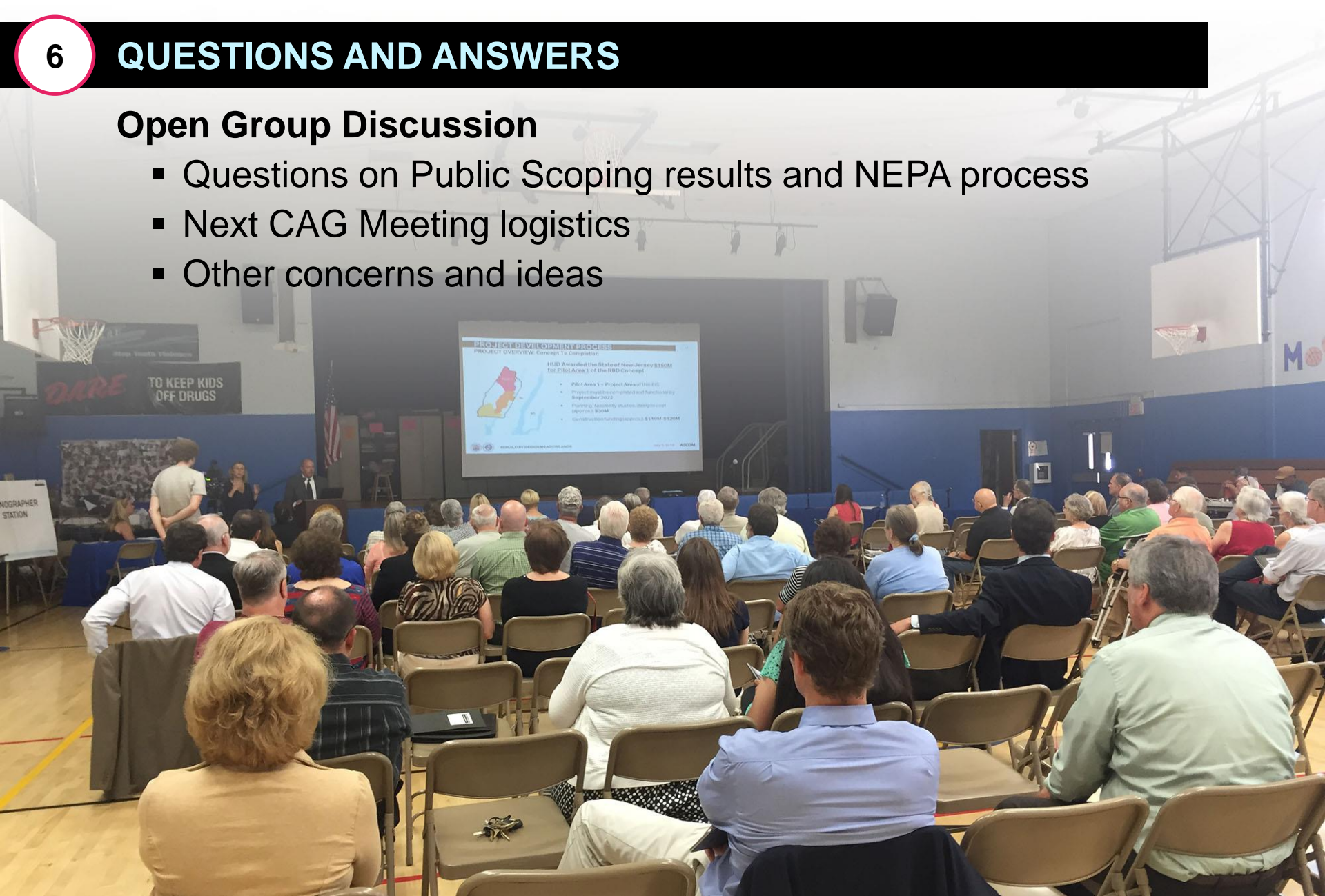
The NJDEP will be the key agency responsible for receiving, publicly distributing (including via the CAG), and coordinating all information relative to this NEPA process.



6 QUESTIONS AND ANSWERS

Open Group Discussion

- Questions on Public Scoping results and NEPA process
- Next CAG Meeting logistics
- Other concerns and ideas



Thank you for participating!

