

Navigating Federal Funding for Green Infrastructure and Nature-Based Solutions

EPA and Green Infrastructure Federal Collaborative

November 2, 2021

11am-12:30pm



MS Teams Webinar Logistics Slide



- All attendees have been muted to minimize background noise.
- Please hold your questions until we enter breakout rooms towards the end of the webinar.
- Technical issues? Please email Zachary Armand at zachary.armand@erg.com.

Welcome: Wynne Miller

Deputy Director, Office of Wastewater Management (OWM)





Green Infrastructure Federal Collaborative



What: Federal agencies working together to advance green infrastructure and nature-based solutions.

Goals:

- Build capacity for planning, designing, maintaining, and measuring green infrastructure and nature-based solutions;
- Promote the multiple benefits of green infrastructure;
- Encourage the equitable implementation of green infrastructure; and
- Foster resilience, job creation, and livability in all communities.

https://www.epa.gov/green-infrastructure/green-infrastructure-federalcollaborative

Agencies Presenting on Today's Webinar

















US Army Corps of Engineers_®













First Phase of Implementation: Planning and Design











Second Phase of Implementation: Construction

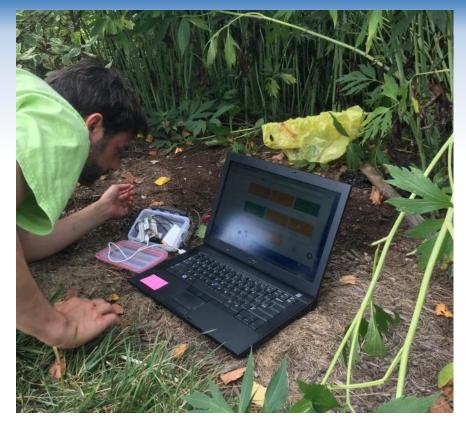




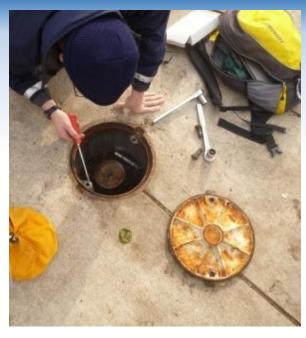




Third Phase of Implementation: Operations and Maintenance









Fourth Phase of Implementation: Monitoring





Overflow and Stormwater Grants

Weblink: www.epa.gov/cwsrf/sewer-overflow-and-stormwater-reuse-municipal-grants-program

Contact: OSG@epa.gov

Eligible Entities

• Municipalities, non-profits

Limitations

Must address overflow or stormwater concerns

Fund Availability and Distribution Method

• Formula grant to states; \$67M available nationally

- ✓ Planning & Design
- ✓ Construction
- **X** Operations & Maintenance
- **X** Monitoring





Clean Water State Revolving Fund (CWSRF)

Weblink: www.epa.gov/cwsrf

Contact: https://www.epa.gov/cwsrf/forms/contact-us-

about-clean-water-state-revolving-fund-cwsrf

Eligible Entities

• Municipalities, states, public, private, non-profits

Limitations

• Projects must meet the criteria of one of 12 eligibilities

Fund Availability and Distribution Method

 Formula grant to states; \$1.64B available as loans to applicants

- ✓ Planning & Design
- ✓ Construction
- **X** Operations & Maintenance
- **X** Monitoring





Water Infrastructure Finance and Innovation Act



Eligible Entities

• Government entities; corporations; partnerships; joint ventures; trusts; state infrastructure financing authorities

Limitations

• Projects must meet the criteria of one of 9 eligibilities; Minimum project size is \$20m or \$5M for communities with populations less that 25,000

Fund Availability and Distribution Method

• Competitive loan to eligible entities; \$5-6B available nationally

Phase Eligibility

- ✓ Planning & Design
- ✓ Construction
- × Operations & Maintenance
- × Monitoring

Weblink: www.epa.gov/wifia Contact: wifia@epa.gov/wifia



Section 319 Non-Point Source Grants

Weblink: https://www.epa.gov/nps

Contact: flaherty.ellie@epa.gov

Eligible Entities

• Municipalities, states, public, private, nonprofits, colleges and universities

Limitations

 Funds may not be used to comply with stormwater permitting requirements

Fund Availability and Distribution Method

• Formula grants to states; \$177M available nationally

- ✓ Planning & Design
- ✓ Construction
- ✓ Operation & Maintenance
- ✓ Monitoring





Environmental Justice Grants

Phase Eligibility

✓ Planning & Design

- **X** Construction
- **X** Operation & Maintenance
- ✓ Monitoring

Eligible Entities

 Non-profits, tribes, territories, and freely associated states (FAS)

Special considerations

 Half of the total amount of available funding will be set aside for non-profit organizations with 10 or fewer full-time employees

Fund Availability and Distribution Method

 Competitive grants to eligible entities; \$7.3M available nationally FY 21

Weblink: https://epa.maps.arcgis.com/apps/Cascade/index.html?appid=d426d553c4cc44a3af62bff7e175108e

Contact: burney.jacob@epa.gov





Great Lakes Restoration Initiative (GLRI)

Weblinks: https://glri.us/funding#grant-opps;

https://www.epa.gov/great-lakes-funding/fy-2021-rfa-glri-

nonpoint-source-runoff-nutrient-reduction-projects

Contact: green.danielle@epa.gov

Eligible Entities

• Municipalities, states, tribes, universities, NGOs

Limitations

- Limited geographically to the Great Lakes drainage basin
- Funds may not be used to comply with regulatory requirements

Fund Availability and Distribution Method

 Multiple competitive and non-competitive grant offerings by EPA and federal partners; ~\$9M available annually

- ✓ Planning & Design
- ✓ Construction
- **X** Operation & Maintenance
- **X** Monitoring





Green Streets, Green Jobs, Green Towns (G3)

Weblink: https://www.epa.gov/G3
Contact: Rachko.Samantha@epa.gov

Eligible Entities

• Non-profits, municipalities, counties

Limitations

 Limited geographically to the Chesapeake Bay Watershed

Fund Availability and Distribution Method

• Competitive grants to eligible entities; \$1M available

- ✓ Planning & Design
- ✓ Construction
- **X** Operation & Maintenance
- **X** Monitoring

USDA - Natural Resources Conservation

Green Infrastructure Federal Collaborative

Service



Watershed and Flood Prevention Operations Program

Eligible Entities

• States, municipalities, counties, tribes, and territories

Limitations

20% of all benefits must be rural or agriculture related;
 projects cannot exceed 250k acres or have capacity exceeding
 25k acre-feet; project must have public sponsor and provide cash or in-kind services for cost-share

Fund Availability and Distribution Method

• Competitive technical assistance; \$175M available

Phase Eligibility

- ✓ Planning & Design
- ✓ Construction
- **X** Operation & Maintenance
- × Monitoring

Weblink: https://www.nrcs.usda.gov/wps/portal/nrcs/main/nation al/programs/landscape/wfpo/

USDA - Natural Resources Conservation

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Service



Watershed Rehabilitation Program

Eligible Entities

• States, municipalities, counties, tribes, and territories

Limitations

 Only available for structure originally constructed under the Watershed and Flood Prevention Operations Program; project must have public sponsor and meet cost-share requirements

Fund Availability and Distribution Method

• Competitive technical assistance; \$10M available

Phase Eligibility

- ✓ Planning & Design
- ✓ Construction
- **X** Operation & Maintenance
- **X** Monitoring

Weblink: https://www.nrcs.usda.gov/wps/portal/nrcs/detail/natio nal/programs/landscape/wr/?cid=nrcs143_008448

USDA - Natural Resources Conservation

Service





Regional Conservation Partnership Program

Eligible Entities

 Agricultural associations; state/local government; Tribes; universities; water/irrigation districts; municipal water; organizations with a history of working with producers

Limitations

- Majority of project funds (FA) reserved for producer contracts to implement eligible activities on agricultural land and non-industrial private forests.
- Remaining project funds (TA) split between NRCS and partner(s) to support project FA.

Fund Availability and Distribution Method

• Competitive technical assistance; \$300M available

Phase Eligibility

- ✓ Planning & Design
- ✓ Construction
- ✓ Operation & Maintenance
- ✓ Monitoring

Weblink: https://www.nrcs.usda.gov/wps/portal/nrcs/mai-n/national/programs/financial/rcpp/

Housing and Urban Development





Community Development Block Grant (CDBG)

Weblink: https://www.hud.gov/program_offices/comm_pl anning/communitydevelopment

Eligible Entities

• States; metro cities (>50k), urban counties (>200k)

Limitations

Must meet CDBG national objectives

Fund Availability and Distribution Method

• Formula grants to eligible entities; \$3.4B available

- ✓ Planning & Design
- ✓ Construction
- **X** Operation & Maintenance
- **X** Monitoring

Housing and Urban Development





Community Development Block Grant (CDBG) – Section 108

Weblink: https://www.hud.gov/program_offices/comm_pl anning/section108

Eligible Entities

CDBG grantees

Limitations

Must meet CDBG national objectives

Fund Availability and Distribution Method

• 5x CDBG allocation loan to eligible entities; \$300M available

- ✓ Planning & Design
- ✓ Construction
- **X** Operation & Maintenance
- **X** Monitoring

Federal Emergency Management Agency





FEMA

Building Resilient Infrastructure & Communities (BRIC)

Weblink: https://www.fema.gov/grants/mitigation/building-resilient-infrastructure-communities/resources

Eligible Entities

• State, local, federal recognized tribal and territorial governments; note: individuals can apply for a grant through a local community

Limitations

 Must: be in conformance with EHP, floodplain and land use laws/regs; not duplicate activities under other agency authority; align with State Mitigation Plans; conform to building codes; be cost effective

Fund Availability and Distribution Method

• Competitive and formula grants; \$1B available

- ✓ Planning & Design
- ✓ Construction
- **XOperation & Maintenance**
- **X** Monitoring

National Oceanic and Atmospheric

Administration



National Estuarine Research
Reserve System Procurement
and Acquisition and
Construction Grants (NOS OCM)

Weblink: https://coast.noaa.gov/nerrs/

Contact: matt.chasse@noaa.gov



Eligible Entities

• National Estuarine Research Reserves

Limitations

- Requires 30%-50% funding match
- Must meet program priorities

Fund Availability and Distribution Method

• Competitive grants; \$4.5M available in FY20

- ✓ Planning & Design
- ✓ Construction
- **X** Operation & Maintenance
- **X** Monitoring

National Oceanic and Atmospheric Administration





Coastal and Marine Habitat Restoration Grants (NMFS OHC)

Weblink: https://www.fisheries.noaa.gov/grant/coastal-

and-marine-habitat-restoration-grants

Contact: Natalie.McLenaghan@noaa.gov

Eligible Entities

• States, municipalities, tribes, for-profit, non-profits, colleges and universities

Limitations

No Great Lakes projects

Fund Availability and Distribution Method

• Competitive grants; \$4M available in FY20

- ✓ Planning & Design
- ✓ Construction
- ✓ Operations & Maintenance
- ✓ Monitoring

National Oceanic and Atmospheric

Green Infrastructure Federal Collaborative

Administration



Great Lakes Habitat Restoration Regional Partnership Grants (NMFS OHC)

Weblink: https://www.fisheries.noaa.gov/grant/noaa-great-lakes-habitat-restoration-regional-partnership-grants
Contact: julie.sims@noaa.gov Or Rina.Studds@noaa.gov

Eligible Entities

 States, municipalities, tribes, for-profit, non-profits, colleges and universities

Limitations

- Must address GLRI Focus Area 1 and 4 goals
- No land acquisition or conservation easements

Fund Availability and Distribution Method

• Competitive grants; \$10M available

- ✓ Planning & Design
- ✓ Construction
- **X** Operation & Maintenance
- ✓ Monitoring

National Oceanic and Atmospheric Administration





Coastal and Estuarine Land Conservation Program (CELCP)

Weblink: https://coast.noaa.gov/czm/landconservation/

Contact: elaine.vaudreuil@noaa.gov

Eligible Entities

States with coastal management programs

Limitations

• Project must contribute a 1-to-1 match

Fund Availability and Distribution Method

Competitive grants; unknown amount for FY22

- × Planning & Design
- **X** Construction
- ✓ Operations & Maintenance
- **X** Monitoring

National Oceanic and Atmospheric

Administration





National Coastal Resilience Fund

Weblink: https://www.nfwf.org/programs/national-coastal-

resilience-fund?activeTab=tab-1

Contact: Bridget.Lussier@noaa.gov Or

Lindy.Betzhold@noaa.gov

Eligible Entities

• Everyone except federal agencies

Limitations

- Project must be within a coastal watershed and contribute a 1-to-1 nonfederal match
- Project should improve both coastal community protection and fish & wildlife habitat

Fund Availability and Distribution Method

 Competitive grants distributed by National Fish and Wildlife Foundation (NFWF); \$34M available in FY21

- ✓ Planning & Design
- ✓ Construction
- **×** Operation & Maintenance
- × Monitoring





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Floodplain Management Services Program (FPMS) Technical Assistance

Weblink: https://www.nab.usace.army.mil/technical-services/

Eligible Entities

 State, regional, and local governments; other non-federal public agencies; federally-recognized Tribes; US territories; Nongovernmental organizations

Limitations

• Limited to anything related to flooding. Examples include flood/Hydraulic and hydrologic modeling; Cannot be used to complete detailed planning, design, or detailed data collection

Availability and Distribution Method

• Competitive Technical Assistance; approx. \$15M/year (not all for natural infrastructure); approx. \$100k/study

- ✓ Planning & Technical Assistance
- **X** Construction
- **X**Operation & Maintenance
- **X**Monitoring





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Planning Assistance to States (PAS)

Weblink: https://www.usace.army.mil/Missions/Civil-Works/Project-Partnership-Agreements/templates_pas/

Contact: sharon.m.sartor@usace.army.mil

Eligible Entities

• State, regional, and local governments; other non-federal public agencies; federally-recognized Tribes; US territories

Limitations

- Focused on watershed planning, hydrologic and hydraulic modeling; wetland delineation, stream assessments, GIS mapping, wastewater and stormwater studies.
- Cannot be used to complete detailed planning, design, and economic analysis or detailed extensive mapping; cost-shared with non-Federal entity at 50%

Availability and Distribution Method

• Competitive Technical Assistance; approx. \$10-13M/year (not all on natural infrastructure); program is underutilized- contact USACE if interested.

- ✓ Planning (not design)
- X Construction
- **X**Operation & Maintenance





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Continuing Authorities Program (CAP) Sec 205 – Small Flood Risk Management Projects

Weblink: https://planning.erdc.dren.mil/toolbox/processes.cfm?ld=229&Option=Continuing%20Authorities%20Program%20(CAP)

Contact: https://www.usace.army.mil/Locations/

Eligible Entities

• State, regional, and local governments; other non-federal public agencies; federally-recognized Tribes; US territories; Non-governmental organizations, with limitations.

Limitations

- Study is 50% Fed/50% Non-Fed (after first \$100k) and design/construction is 65% Fed/35% Non-Fed. Maximum Federal contribution is \$10M. Non-Federal sponsor responsible for any HTRW costs.
- Sponsor must also pay for and obtain all lands, easements, rights of way and relocations (LERR) for the project.

Availability and Distribution Method

Competitive Technical Assistance; approx. \$11M annually

- ✓ Planning & Design
- ✓ Construction
- ***Operation & Maintenance** (funded by Non-Fed sponsor)
- ✓ Monitoring and Adaptive Management (only as part of approved plan)





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Continuing Authorities Program (CAP) Sec 204 – Beneficial Use of Dredged Material

Weblink: https://planning.erdc.dren.mil/toolbox/processes.cfm?ld=229&Option=Continuing%20Authorities%20Program%20(CAP)

Contact: https://www.usace.army.mil/Locations/

Eligible Entities

• State, regional, and local governments; other non-federal public agencies; federally-recognized Tribes; US territories; Non-governmental organizations, with limitations.

Limitations

- Study is 100% Federal and design/construction is 65% Fed/35% Non-Fed. Maximum Federal contribution is \$10M. Non-Federal sponsor responsible for any HTRW costs.
- Sponsor must also pay for and obtain all lands, easements, rights of way and relocations (LERR) for the project.

Availability and Distribution Method

Competitive Technical Assistance;

- ✓ Planning & Design
- ✓ Construction
- **XOperation & Maintenance** (funded by Non-Fed sponsor)
- ✓ Monitoring and Adaptive Management (only as part of approved plan)





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Continuing Authorities Program (CAP) Sec 1135 – Modification of Projects for the Environment

Weblink: https://planning.erdc.dren.mil/toolbox/processes.cfm?ld=229&Option=Continuing%20Authorities%20Program%20(CAP)

Contact: https://www.usace.army.mil/Locations/

Eligible Entities

• State, regional, and local governments; other non-federal public agencies; federally-recognized Tribes; US territories; Non-governmental organizations, with limitations.

Limitations

- Limited to modifying existing USACE projects for improvements to the environment.
- Study is 50% Fed/50% Non-Fed (after first \$100k) and design/construction is 75% Fed/25% Non-Fed. Maximum Federal contribution is \$10M. Non-Federal sponsor responsible for any HTRW costs.
- Sponsor must also pay for and obtain all lands, easements, rights of way and relocations (LERR) for the project.

Availability and Distribution Method

• Competitive Technical Assistance; Approx. \$9M, although many projects already in queue

- ✓ Planning & Design
- ✓ Construction
- -X Operation & Maintenance (funded by Non-Fed sponsor)
- ✓ Monitoring and Adaptive Management (only as part of approved plan)





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Tribal Partnership Program (TPP)

Weblink: https://www.usace.army.mil/Missions/Civil-

Works/Tribal-Nations/tribal otherpolicies/

Contact: hqtribal@usace.army.mil Or

https://www.usace.army.mil/Locations/

Eligible Entities

Federally recognized Tribes or Alaska Native and Tribes

Limitations

- Project purposes are for flood risk management, aquatic ecosystem restoration, navigation, storm risk management, and recreation.
- Cost sharing requirements are 100% Federal for first \$511k of each phase; then cost-share for the remainder of study phase, design, and construction phases determined based on an ability-to-pay analysis.
- Maximum total project cost for any separable element of a project is \$18.5M. Tribe is responsible for any HTRW costs.

Availability and Distribution Method

• Competitive Technical Assistance; approximately \$3-5M/year

- ✓ Planning & Design
- ✓ Construction
- **× Operation & Maintenance**
- √ Monitoring and Adaptive Management (only as part of approved plan)





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Individually

Authorized Feasibility Studies and Projects

Weblink: https://planning.erdc.dren.mil/toolbox/processes
.cfm?Id=229&Option=Continuing%20Authorities%20Progra
m%20(CAP)

Contact: https://www.usace.army.mil/Locations/

Eligible Entities

• State, regional, and local governments; federally-recognized Tribes; US territories; Non-governmental organizations, with limitations. Must provide cost-share.

Limitations

- Limited to large water resource projects in USACE mission areas (navigation, flood risk management, ecosystem restoration) that will be cost-shared by a non-Federal entity.
- Study must have been authorized in a prior Water Resources Development Act (WRDA) and/or via the Sec 7001 proposal process. https://www.usace.army.mil/Missions/Civil-Works/Project-Planning/WRRDA-7001-Proposals/.
- Multi-year feasibility study process results in a Chief's Report and authorization for construction in subsequent WRDA. Design and construction (also cost-shared by non-Fed) subject to specific Congressional appropriation.

Availability and Distribution Method

• Competitive Technical Assistance; Annual eligibility via 7001 proposal process; selection based on annual appropriations by Congress

- ✓ Planning & Design
- ✓ Construction
- ✓ Operations and Maintenance (some cost-shared)
- ✓ Monitoring and Adaptive Management (in accordance with approved plan)





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Watershed Studies (Sec 729)

Weblink: https://www.usace.army.mil/Missions/Civil-Works/Project-Planning/WRRDA-7001-Proposals/
Contact: https://www.usace.army.mil/Missions/Civil-Works/Project-Planning/WRRDA-7001-Proposals/
Contact: https://www.usace.army.mil/Missions/Civil-Works/Project-Planning/WRRDA-7001-Proposals/
Contact: https://www.usace.army.mil/missions/

Eligible Entities

• State, regional, and local governments

Limitations

- Does not encompass feasibility-level planning for specific USACE projects, but identifies water resources needs and actions that could be taken by multiple entities within the watershed.
- Cost-shared 75% Fed/25% Non-Fed

Availability and Distribution Method

 Competitive Technical Assistance; Based on Congressional Appropriations

- ✓ Planning (not design)
- **X** Construction
- **X**Operation & Maintenance
- **X** Monitoring

Economic Development Administration





Public Works & Economic Adjustment Assistance Funds

Weblink: https://www.eda.gov/funding-opportunities/

Eligible Entities

 EDA-designated Economic Development Districts (EDDs); tribes; states; municipalities (political subdivisions of a state); higher education institutions; public or private non-profits (acting in cooperation w/political subdivision of a state)

Limitations

- Alignment with Comprehensive Economic Development Strategy (CEDS) or equivalent plan for every area a project will serve; Important connection to economic development
- Must meet one of EDA's economic distress criteria.
- For <u>disaster supplemental funding</u>, major disaster declaration qualifies as a special need. Must meet economic distress criteria OR special needs criteria. Must describe the nexus between the proposed project and the major disaster as well as incorporate resiliency focus.

Fund Availability and Distribution Method

- No submission deadlines
- Competitive grants to eligible entities
- Applications submitted to EDA regional offices

- ✓ Planning & Design
- ✓ Construction

Economic Development Administration





American Rescue Plan Act Programs: Economic Adjustment Assistance Funds

Weblink: https://eda.gov/arpa/economic-adjustment-assistance/

Eligible Entities

• EDA-designated Economic Development Districts (EDDs); tribes; states; municipalities (political subdivisions of a state); higher education institutions; public or private non-profits (acting in cooperation w/political subdivision of a state)

Limitations

• Alignment with Comprehensive Economic Development Strategy (CEDS) or equivalent plan for every area a project will serve; Must meet EDA investment priorities, including economic recovery and resilience https://eda.gov/about/investment-priorities/.

Fund Availability and Distribution Method

- \$3B available until September 30, 2022
- Six Notices of Funding Opportunity with potential Green Infrastructure eligibility: Travel, Tourism and Outdoor Recreation; Indigenous Communities; Build Back Better Regional Challenge; Statewide Planning, Research, and Networks; Good Jobs Challenge; Economic Adjustment Assistance
- Competitive grants to eligible entities; non-competitive grants to states for State Tourism and Statewide Planning programs; https://eda.gov/arpa/

- ✓ Planning & Design
- ✓ Construction

EPA's Green Infrastructure Funding Webpage



EPA's Green Infrastructure funding webpage:

https://www.epa.gov/green-infrastructure/green-infrastructure-funding-opportunities

Today's slides will be provided after the webinar as well as a recording.

Green Infrastructure Funding Opportunities

What's New

- <u>U.S. Department of Treasury American Rescue Plan (ARPA) provides Coronavirus State and Local Fiscal Recovery Funds to invest in water, sewer, and broadband infrastructure, including green infrastructure.</u>
- Recreation Institute People, Parks, and Power Initiative -- Letters of Intent due
 November 4, 2021 EXIT -- Initiative will invest in green space, health equity and racial
 justice by funding community-based organizations that work on public finance
 measures for parks, green infrastructure, assessments of park needs, community
 engagement with government, anti-displacement protections and more.
- <u>EJ4 Climate Grant Program -- Proposals due November 14, 2021</u> EXIT -- A grant program that supports underserved, vulnerable and indigenous communities for projects in the areas such as extreme weather impacts, green infrastructure solutions, and more to address climate change impacts.
- <u>EPA National Estuary Program Competitive -- Applications due November 15, 2021</u> for grant to administer a national competitive subaward grant program to address threats

Breakout Sessions



Instructions

- For breakout rooms, please view the chat or your email. We sent links via email this morning for breakout rooms. If you do not have access to the email, please view the chat.
- Each agency that presented today has a breakout room link.
- Please exit this meeting and then click the link to the breakout that is of most interest to you.
- In the breakout room, there will be a facilitated 15-minute Q&A.
- From the breakout room, please exit and the meeting will end.