



**GREAT LAKES AND
ST. LAWRENCE**
CITIES INITIATIVE

Stantec Preparing Infrastructure Grant Applications

Top Five Tips to Follow | Top Five Pitfalls to Avoid

Great Lakes and St. Lawrence Cities Initiative

September 1, 2022

Milwaukee, Wisconsin



Framing the Funding Conversation

The Infrastructure
Funding Gap

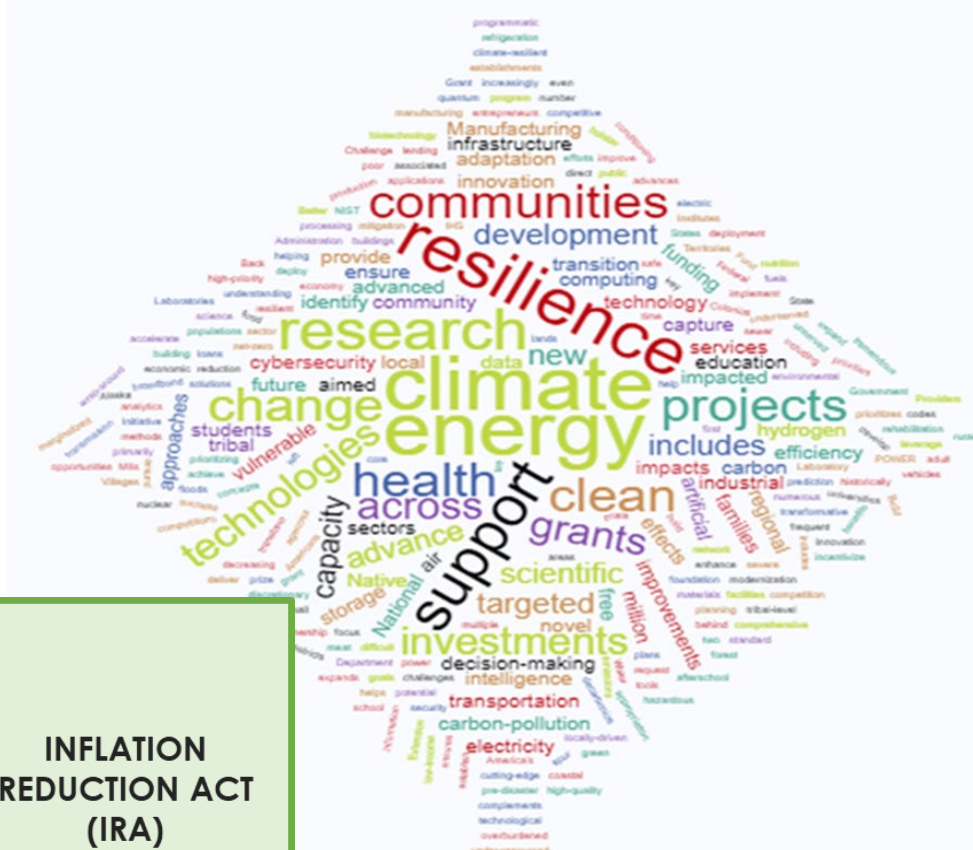
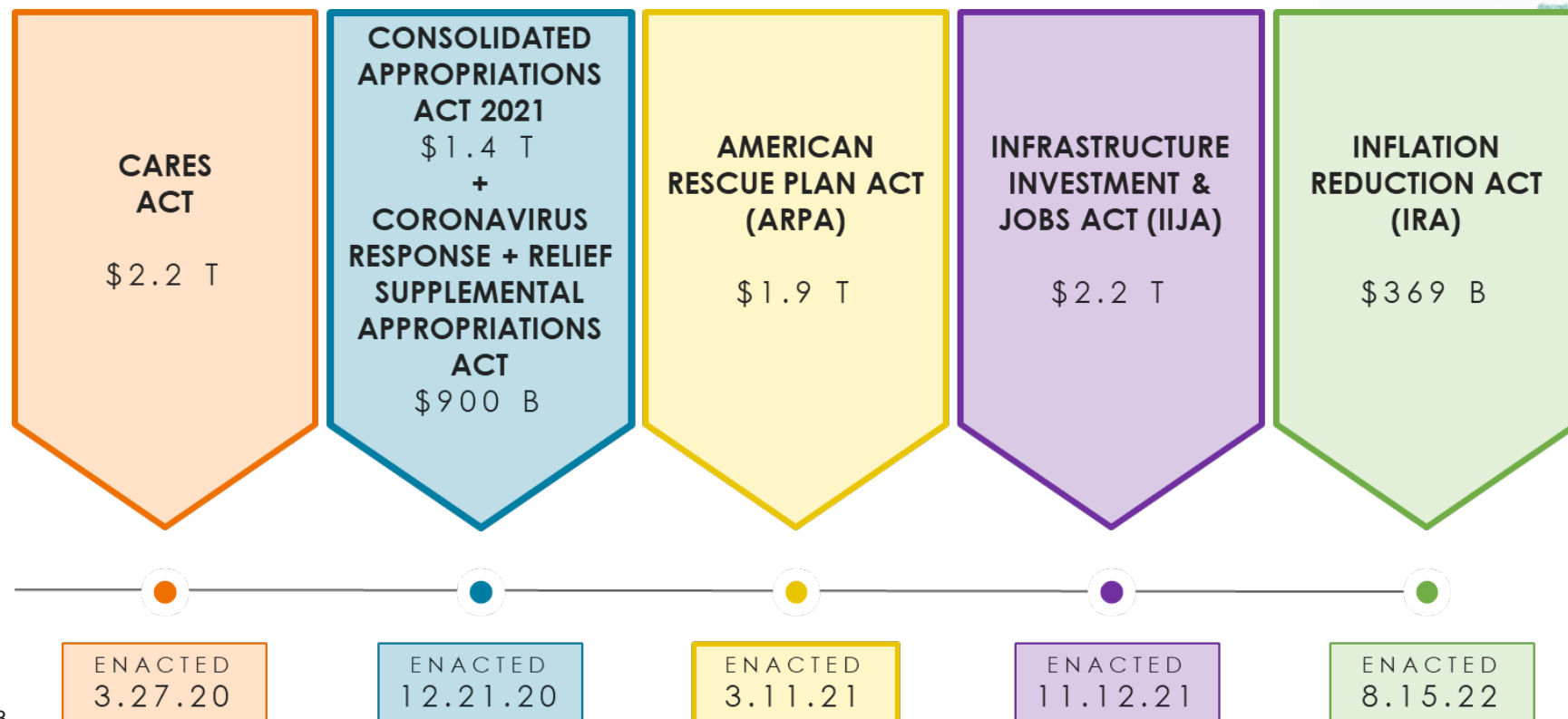
Public-Sector Budgets
Are Tight

Key Policy Opportunities
and Funding to Support
Infrastructure Investment





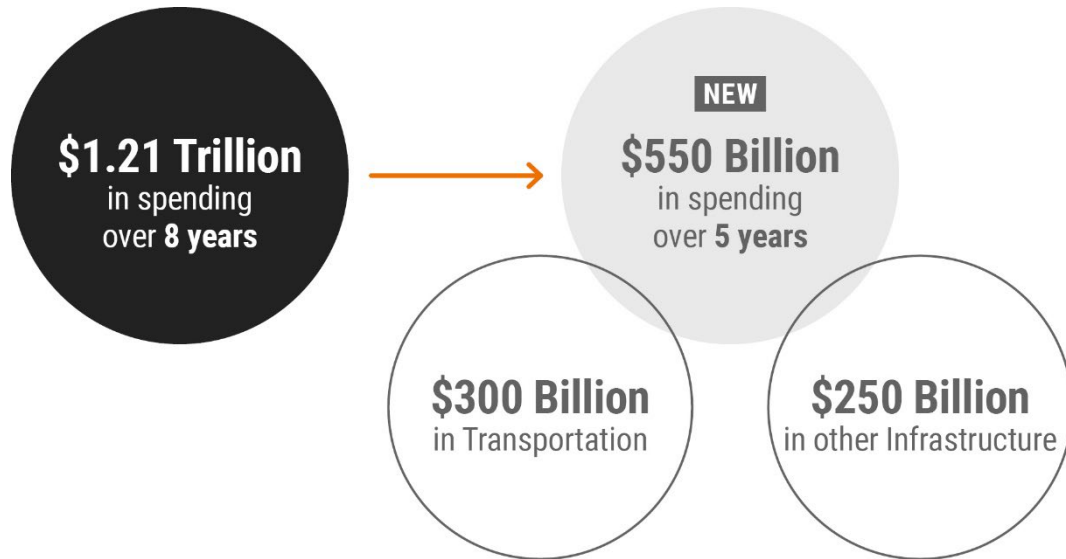
US Funding Trends & Highlights





US Funding Trends & Highlights

Infrastructure Investment & Jobs Act



Inflation Reduction Act

WHAT'S IN THE IRA'S \$369 BILLION FOR ENERGY AND CLIMATE

Environmental Protection Agency

- Greenhouse Gas Reduction Fund **\$27B**
- Greenhouse Gas Air Pollution Plans and Implementation Grants **\$5B**
- Grants to Reduce Air Pollution at Ports **\$3B**
- Environmental and Climate Justice Block Grants **\$2.8B**

Department of Agriculture

- Agricultural Conservation Investments **\$18.05B**

Department of Energy

- Advanced Industrial Facilities Deployment Program **\$5.812B**
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Bureau of Reclamation

- Drought Mitigation in Reclamation States **\$4B**

Federal Highway Administration

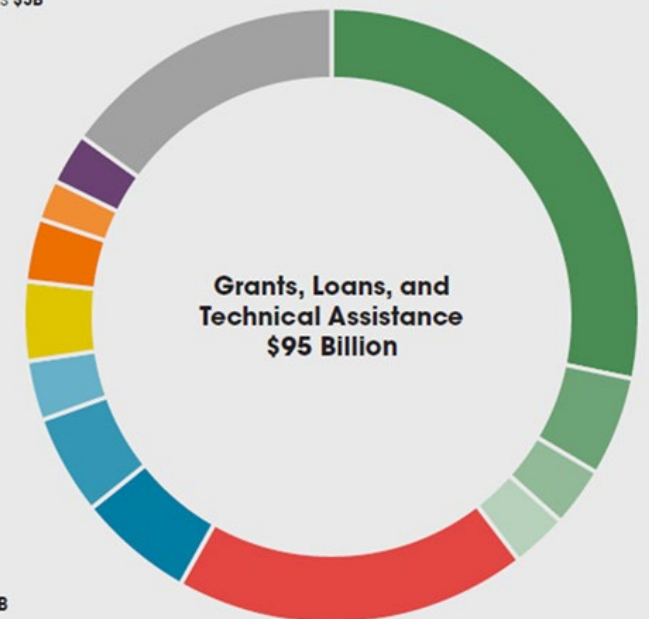
- Neighborhood Access and Equity Grant Program **\$3.155B**
- Low-carbon transportation materials grants **\$2B**

National Oceanic and Atmospheric Administration

- Investing in Coastal Communities and Climate Resilience **\$2.6B**

Other

- Other Projects **\$14.113B**





Canada Funding Trends & Highlights

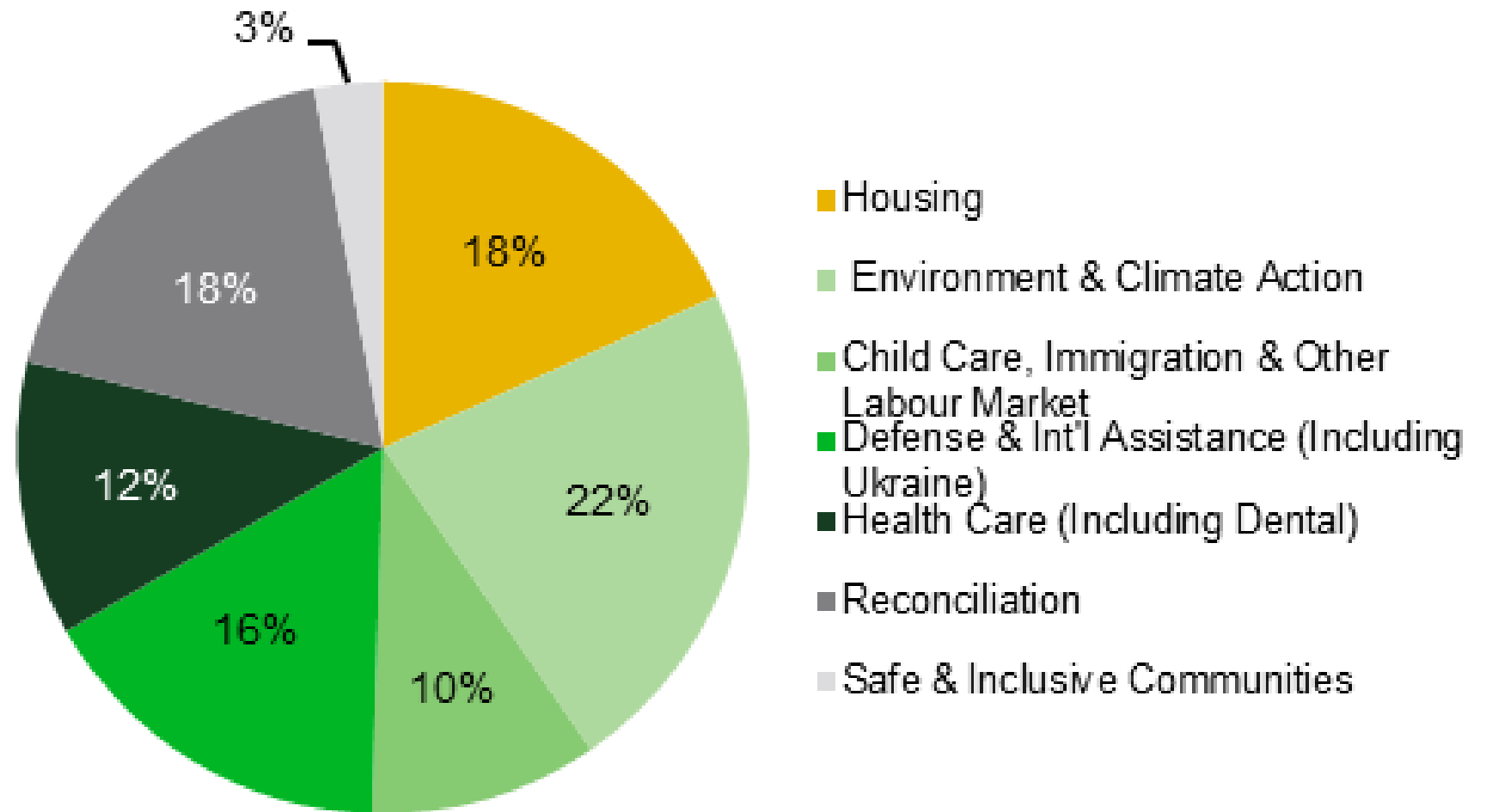
Climate
Change/Decarbonization

Increased Complexity of
Opportunities

Inclusion, social justice,
and reconciliation

Innovation

Job Creation



Note: Based on total net new spending from fiscal 2021-22 to 2026-27.
Source: Department of Finance Canada, TD Economics.



Canada Water Agency

Protecting Canada's Freshwater

Canada is home to 20% of the world's freshwater.
Here's what we're doing to protect it:



**Establishing
and fully funding
a Canada Water
Agency**

**Updating the 50
year old
Canada Water Act**



**Investing \$1 Billion
to restore and
protect lakes
and rivers**



**Investing \$37.5 Million
in freshwater
research**





Tips

Partnership

Know Your Audience

State the Obvious

Understand
Agency/Administration
Priorities and How They
Shift

Assemble the Appropriate
Team





Pitfalls

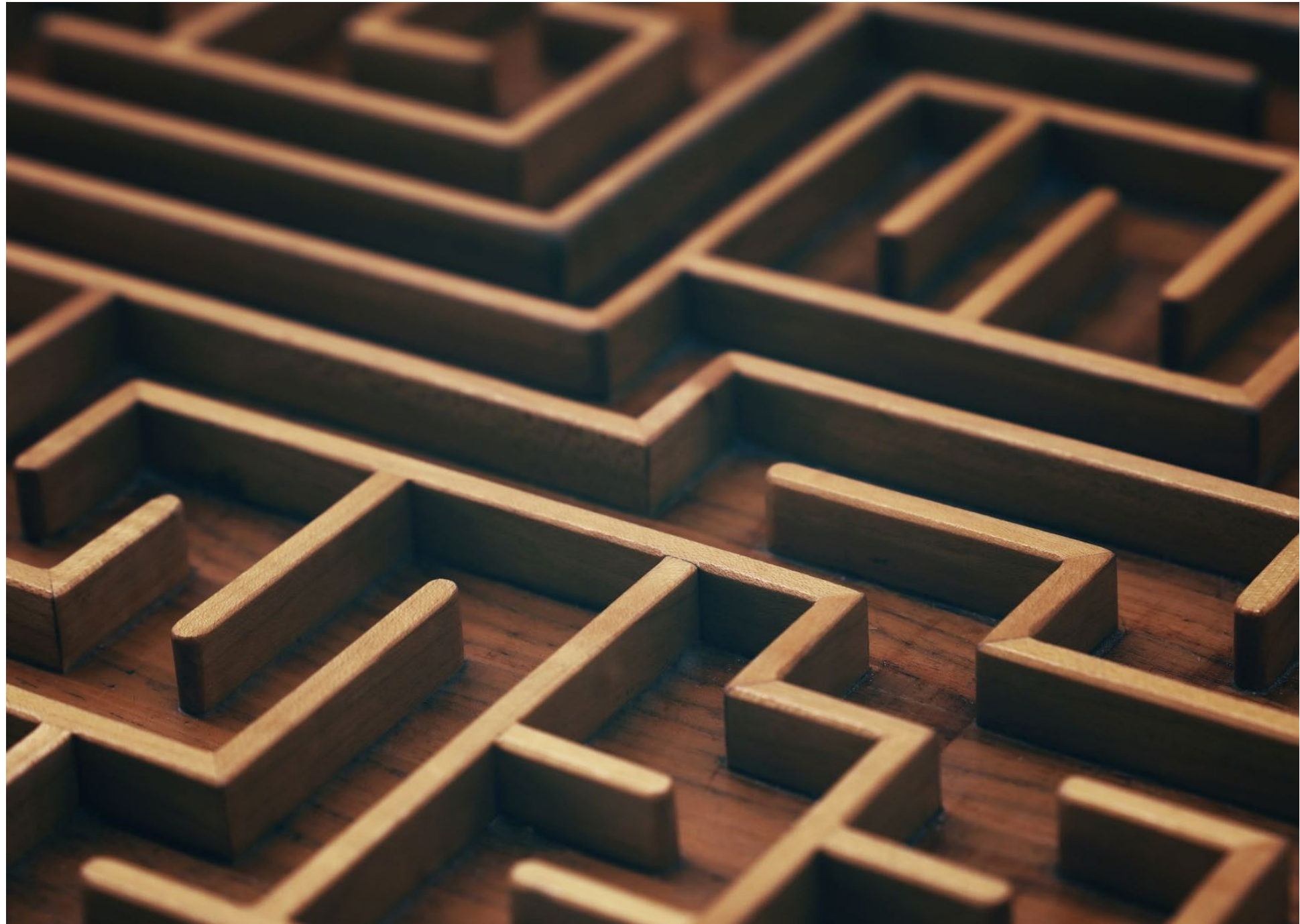
Cost Estimating

Timing

Stories Need to Match

Consequence of Funding

Remove All Obstacles





US FUNDING BREAKOUT SESSION

Discussion Questions

1. Reactions to our Top 5 Tips and Pitfalls
 - a. Any missing?
 - b. Any you feel shouldn't be in the Top 5?
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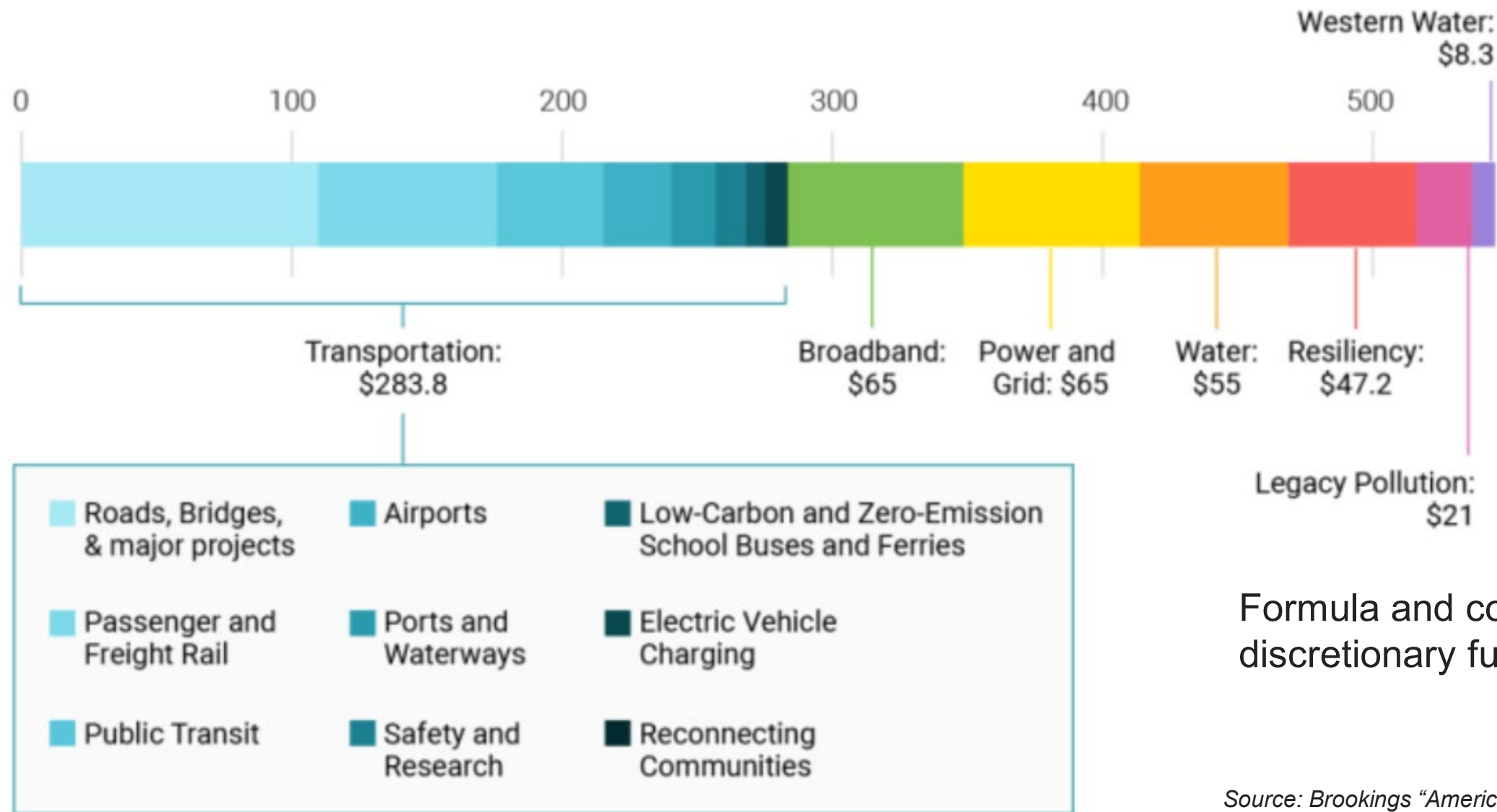


“Typical” Water Funding Sources

| TRADITIONAL | NON-TRADITIONAL | FOUNDATIONS |
|---|---|--|
| <ul style="list-style-type: none">• Community Development Block Grants HUD• Environmental Protection Agency<ul style="list-style-type: none">• State Revolving Funds• Section 319 Nonpoint Source Implementation Grant• *NEW* Sewer Overflow and Stormwater Reuse Municipal Grant• Water and Waste Disposal Loans and Grants • Environmental Assistance Program USACE | <p>Congress</p> <ul style="list-style-type: none">• Congressionally Directed Spending <p>Economic Development Administration</p> <ul style="list-style-type: none">• Public Works & Economic Adjustment Assistance <p>US Fish and Wildlife Service</p> <ul style="list-style-type: none">• North American Wetlands Conservation Act <p>US Treasury</p> <ul style="list-style-type: none">• ARPA - State & Local Fiscal Recovery Funds | <p>National Science Foundation</p> <p>The Water Research Foundation</p> <p>National Fish & Wildlife Foundation</p> <p>Oak Foundation</p> |



Breakdown of Spending in IIJA (billions of USD)

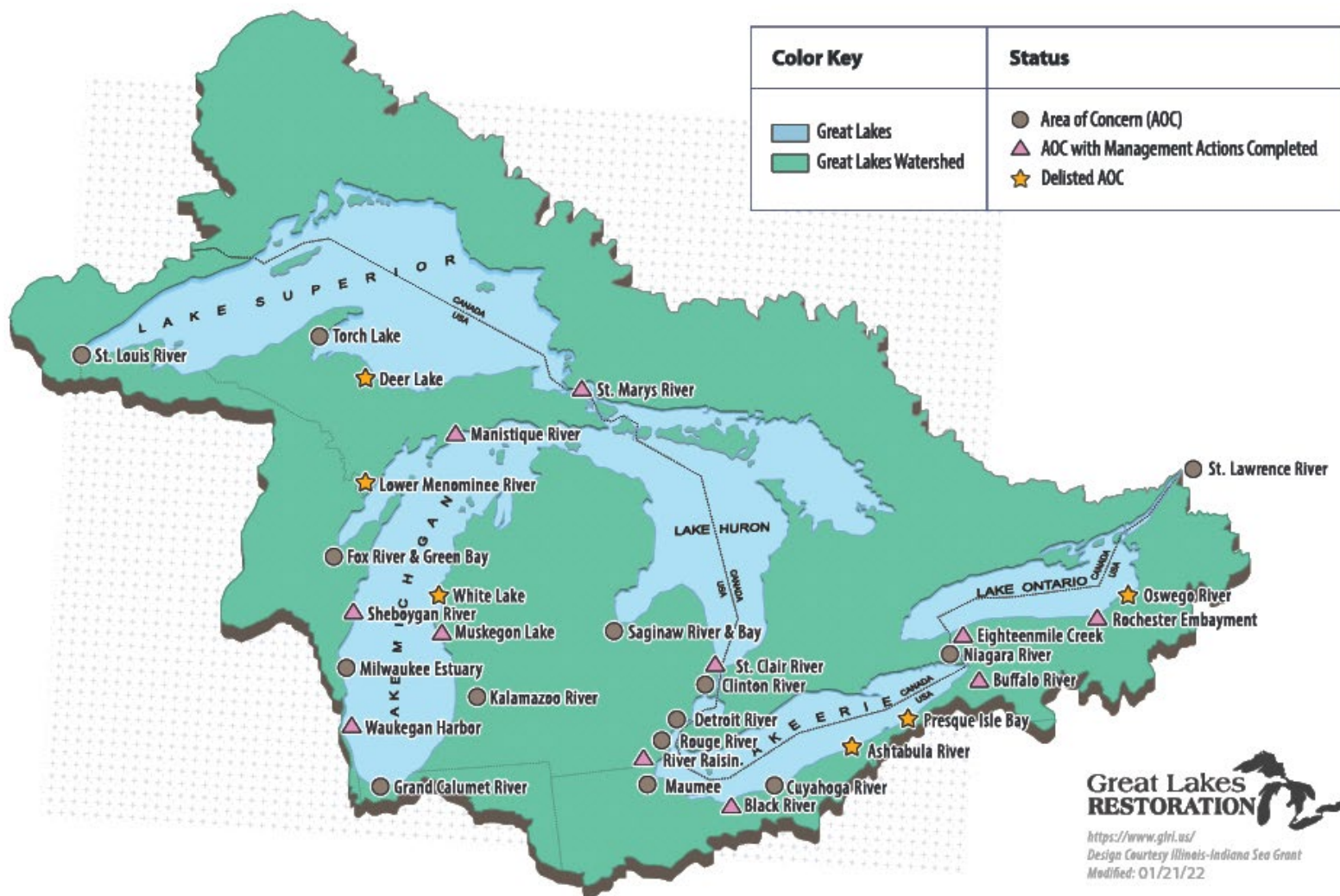


Formula and competitive, discretionary funding programs

Source: Brookings “America has an infrastructure bill. What happens next?” November 9, 2021



U.S. Great Lakes Areas of Concern



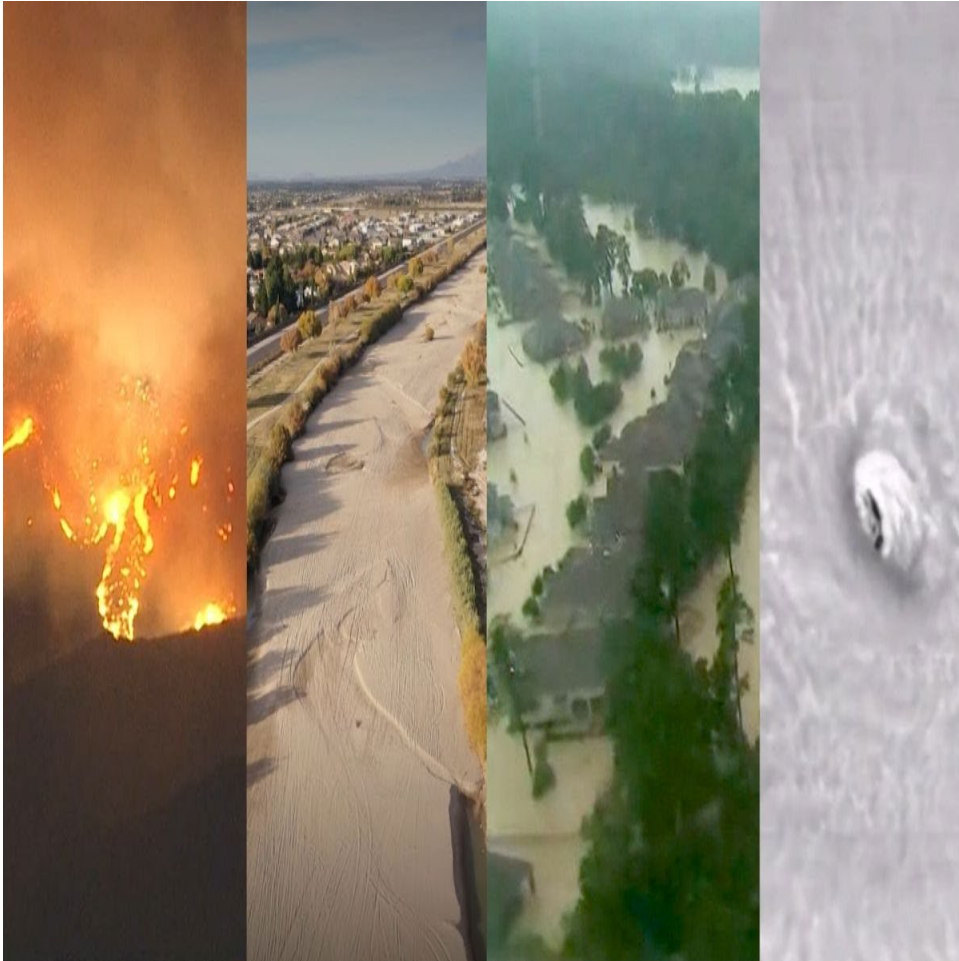
National Estuary Programs (NEP)

\$1 B Great Lakes Restoration Initiative

EPA projects work to be completed at 22 of 25 remaining Great Lakes “Areas of Concern” by 2030.



IJA Resiliency Highlights



- \$6.8 billion for **disaster resilience** (FEMA)
- NOAA – \$2.2 B across **multiple NOAA programs** to address climate change impacts and protect habitat for fish and wildlife; Coastal and Great Lakes.
- New **PROTECT**, to improve the resilience of transportation infrastructure
- \$500 million **Healthy Streets** to mitigate urban heat, improve air quality and reduce runoff
- DOE – **Energy Efficiency and Conservation Block Grant Program** – \$550M to reduce fossil fuel emissions and total energy use
- EPA – **Brownfields Competitive Grant Program** – \$1.2B to help communities, States, Tribes and others to assess, safely clean up, and sustainably reuse contaminated properties.
- FEMA establishes **Safeguarding Tomorrow RLF** – \$500 million / \$100 million per year



- Clean Electricity Tax Credits **\$161B**
- Clean Manufacturing Tax Credits **\$37B**
- Clean Fuel and Vehicle Tax Credits **\$36B**



These funds go directly to agencies to fund internal programs, such as \$11 billion to the EPA's Superfund program and \$2 billion to the GSA for the greening of federal buildings.

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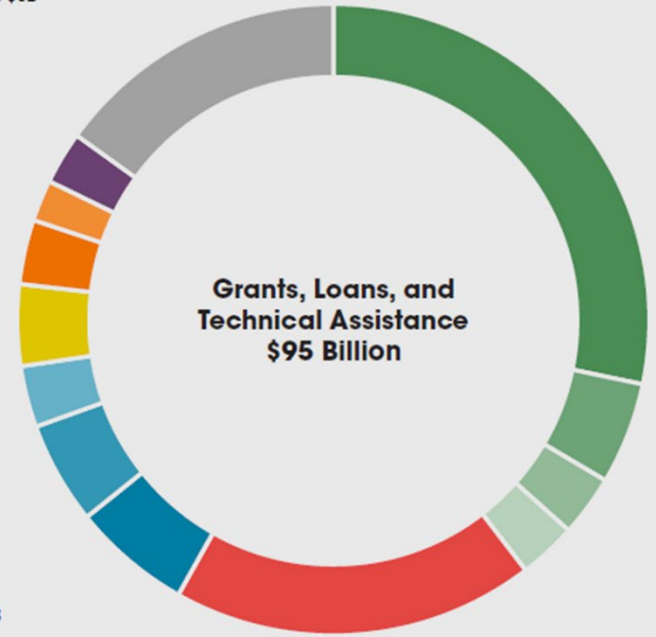
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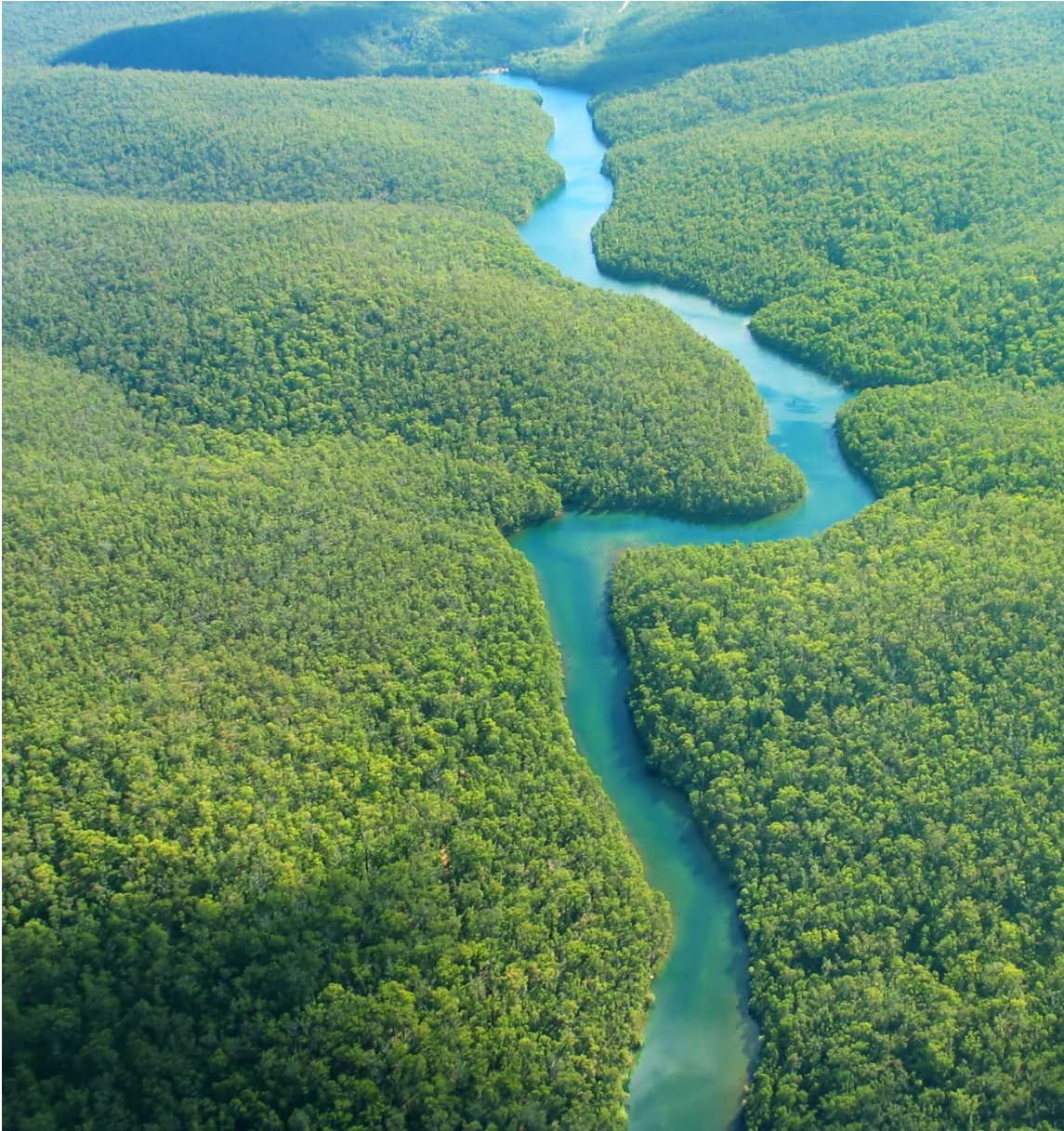


CANADA FUNDING BREAKOUT SESSION

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Infrastructure Funding

That focuses on resiliency, natural habitats, ecosystem restoration and water infrastructure



Infrastructure Canada:

Investing in Canada Plan

Disaster Mitigation and Adaptation
Plan Fund

Natural Infrastructure Fund

Environment and Climate Change Canada:

Low Carbon Economy Fund

Nature Smart Climate Solutions Fund



Freshwater Investments



\$43.5 million over five years starting in 2022-2023 and **\$8.7 million** ongoing to Environment and Climate Change Canada (ECCC) to create a new Canada Water Agency

\$19.6 million in 2022-2023 to Environment and Climate Change Canada (ECCC) to sustain Freshwater Action Plan. This funding to support clean-up efforts in Great Lakes, St. Lawrence River, Lake Winnipeg, Lake of Woods, Fraser River, Saint John River, the Mackenzie River Lake Simcoe.

\$25 million over five years, starting in 2022-2023, to Environment and Climate Change Canada to support Experimental Lakes Area.

\$44.9 million over five years, starting in 2022-2023 and **\$9.0 million** ongoing to Fisheries and Oceans Canada, to

support the Great Lakes Fishery Commission (coordinate Canada-U.S. invasive sea lamprey control activities, manage fisheries, and conduct scientific research in Great Lakes).

\$183 million over five years to Environment and Climate Change Canada, Fisheries and Oceans Canada, Health Canada, Transport Canada, Crown-Indigenous Relations and Northern Affairs Canada, Statistics Canada, and National Research Council to reduce plastic waste, increase plastic circularity, etc.

\$10 million to Fisheries and Oceans Canada to renew Ghost Gear Fund to continue to assist projects that retrieve plastic waste, dispose fishing related plastic waste, etc.