Preparing Infrastructure Grant Applications

Top Five Tips to Follow | Top Five Pitfalls to Avoid

Great Lakes and St. Lawrence Cities Initiative

September 1, 2022
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

- CARES ACT
  - $2.2 T
  - Enacted 3.27.20

- CONSOLIDATED APPROPRIATIONS ACT 2021
  - $1.4 T
  - Enacted 12.21.20
  - + CORONAVIRUS RESPONSE + RELIEF SUPPLEMENTAL APPROPRIATIONS ACT
  - $900 B

- AMERICAN RESCUE PLAN ACT (ARPA)
  - $1.9 T
  - Enacted 3.11.21

- INFRASTRUCTURE INVESTMENT & JOBS ACT (IIJA)
  - $2.2 T
  - Enacted 11.12.21

- INFLATION REDUCTION ACT (IRA)
  - $369 B
  - Enacted 8.15.22
US Funding Trends & Highlights

Infrastructure Investment & Jobs Act

- $1.21 Trillion in spending over 8 years
- $550 Billion in spending over 5 years
- $300 Billion in Transportation
- $250 Billion in other Infrastructure

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 $2.6B
  - Department of Agriculture
    - Agricultural Conservation Investments $18.05B
  - Department of Energy
    - Advanced Industrial Facilities Deployment Program $5.812B
    - Energy Infrastructure Reinvestment Financing $5B
    - Advanced Technology Vehicle Manufacturing $3B
  - 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

Grants, Loans, and Technical Assistance $95 Billion
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:

- Updating the 50 year old Canada Water Act
- Establishing and fully funding a Canada Water Agency
- Investing $37.5 Million in freshwater research
- Investing $1 Billion to restore and protect lakes and rivers
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?

2. What category of funding are you most interested in? Or put another way, what projects are in the most need of funding in your community?
### “Typical” Water Funding Sources

<table>
<thead>
<tr>
<th>TRADITIONAL</th>
<th>NON-TRADITIONAL</th>
<th>FOUNDATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Community Development Block Grants</td>
<td>HUD</td>
<td>National Science Foundation</td>
</tr>
<tr>
<td>• Environmental Protection Agency</td>
<td></td>
<td>The Water Research Foundation</td>
</tr>
<tr>
<td>• State Revolving Funds</td>
<td></td>
<td>National Fish &amp; Wildlife Foundation</td>
</tr>
<tr>
<td>• Section 319 Nonpoint Source</td>
<td></td>
<td>Oak Foundation</td>
</tr>
<tr>
<td>Implementation Grant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• <em>NEW</em> Sewer Overflow and Stormwater Reuse</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Municipal Grant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Water and Waste Disposal Loans and Grants</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Environmental Assistance Program</td>
<td>USACE</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Congress</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Congressionally Directed Spending</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Economic Development Administration</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Public Works &amp; Economic Adjustment Assistance</td>
<td></td>
</tr>
<tr>
<td></td>
<td>US Fish and Wildlife Service</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• North American Wetlands Conservation Act</td>
<td></td>
</tr>
<tr>
<td></td>
<td>US Treasury</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• ARPA - State &amp; Local Fiscal Recovery Funds</td>
<td></td>
</tr>
</tbody>
</table>
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
$1 B Great Lakes Restoration Initiative

EPA projects work to be completed at 22 of 25 remaining Great Lakes “Areas of Concern” by 2030.
IIJA 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
GLSFCI FUNDING CONVERSATIONS - AUGUST 2022

**Tax Credits**

- $234 Billion
  - Clean Electricity Tax Credits $161B
  - Clean Manufacturing Tax Credits $7B
  - Clean Fuel and Vehicle Tax Credits $36B

**Internal Agency Funding**

- $40 Billion

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.

---

**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
  - Energy Infrastructure Reinvestment Financing $5B
  - Advanced Technology Vehicle Manufacturing $2B

- **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

**Grants, Loans, and Technical Assistance**

- $95 Billion
CANADA 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?
   c. Any experiences you would like to share?

2. What category of funding are you most interested in? Or put another way, what projects are in the most need of funding in your community?
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.