CLIMATE CHANGE:
2021 and Beyond

Preparing our communities for the future.

Great Lakes and St. Lawrence Cities Initiative Presents:

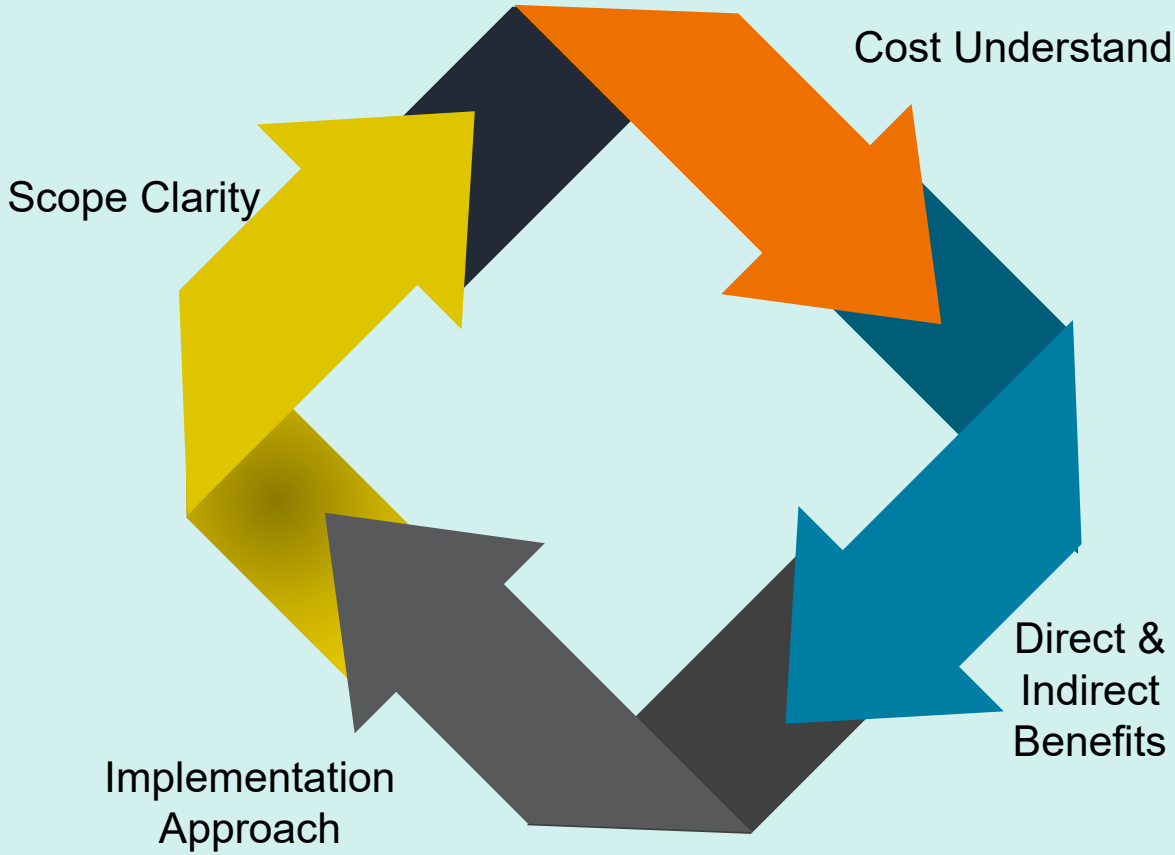
Breakout Session One: Planning for the Future – Adapting to the Physical Impacts of Climate Change

Project Funding

Climate change resilience. Economic recovery. Fresh water preservation. Cities in the Great Lakes and St. Lawrence Region face many of these challenges and more. Addressing these challenges is not only technically challenging but also fiscally challenging. That's why having a funding strategy is so important to your resilience strategy.

Tom Berry, *Senior Planner*, Stantec

FUNDING BEST PRACTICES



GREAT LAKES AND ST. LAWRENCE CITIES INITIATIVE
L'ALLIANCE DES VILLES DES GRANDS LACS ET DU SAINT-LAURENT

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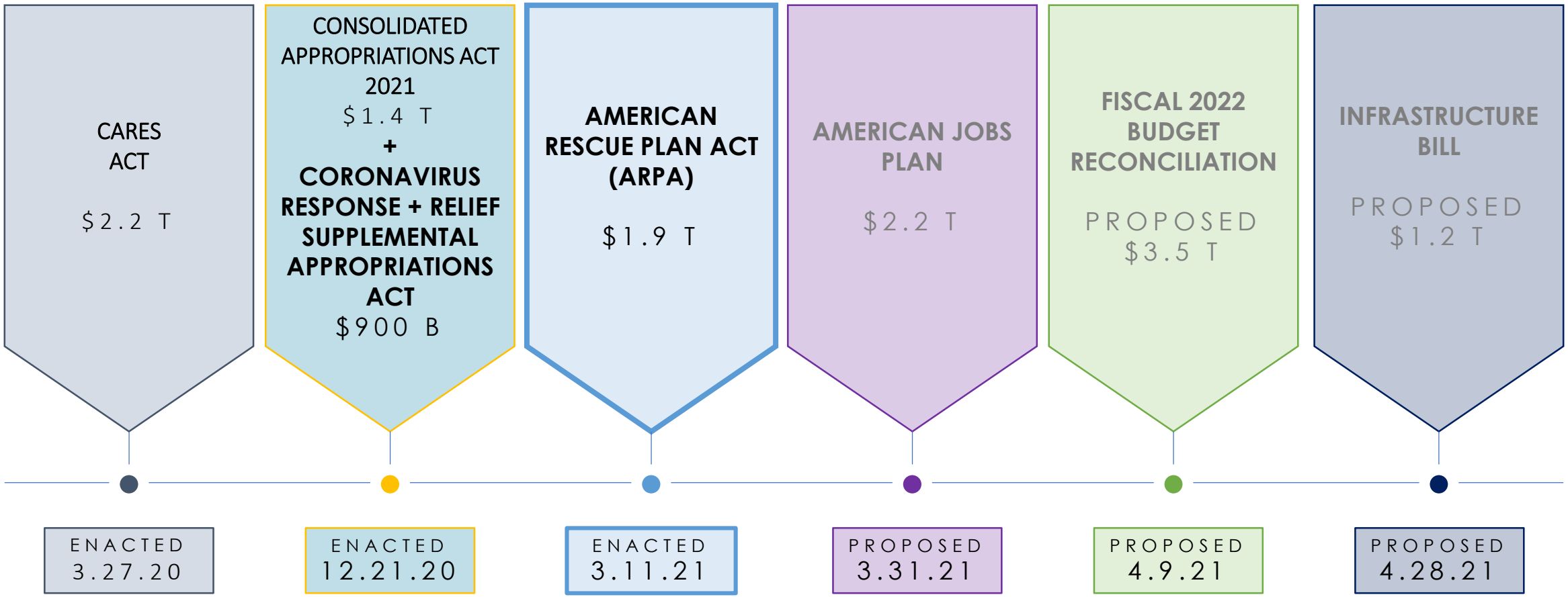
Funding today: We're still recovering from the pandemic

Selected Country	Fiscal Support Announcements	Size (% of 2021 GDP)
United States	COVID-19 *Response and Relief Act* (4.1% of GDP - Dec. 2020)and *American Rescue Plan Act* (8.2% of GDP - Mar. 2021)	12.3% of GDP
Canada	Commitments made in Chapter 3 of FES 2020 (0.3% of GDP) and policy actions since, including Budget 2021 (4.2% of GDP)	4.6% of GDP
Germany	Supplementary Budget for 2021 and Budget 2022 net new borrowing for 2022 (Mar. 2021)	4.0% of GDP
Japan	Third Supplementary Budget for 2020 – net new COVID-19 related measures and Budget 2021 – Additional COVID-19 Contingency Fund (Dec. 2020)	3.6% of GDP
UK	Budget 2021 - net borrowing impact of policy decisions over 2020-21 and 2021-22 (Mar. 2021)	2.9% of GDP
Italy	Additional fiscal room through rise in borrowing limit (Jan. 2021)	1.9% of GDP

Sources: Committee for a Responsible Federal Budget; UK Treasury, Bundesministerium der Finanzen; Ministero dell'Economia e delle Finanze; Japan Ministry of Finance; Australian Treasury; Department of Finance Canada calculations.
NOTE: For the United States, the table excludes the proposed American Jobs Plan unveiled on March 31, 2021. Announcements above are not directly comparable as they can cover multiple years (largely focused on 2021 and 2022) and include varying combinations of on-budget items, additional COVID-19 health spending, the extension of existing support measures, off-budget items, as well as contingency or reserve funds yet to be allocated to specific measures. They also generally exclude offsetting financing measures.
Totals may not add due to rounding

Federal Stimulus Funding – Enacted & Proposed



US: Invest in America Act

- $110 billion for roads, bridges, and major projects
- $66 billion for passenger rail and freight
- $39 billion for public transit
- $73 billion to power infrastructure
- $65 billion to broadband
- $55 billion to water infrastructure
- $50 billion to resiliency, cybersecurity, and ecosystem restoration

CAN: Budget 2021

- $100 billion in new spending over 3 years, including:
  - $28 billion in infrastructure investments
  - $4.2 billion in science & technology investments
  - $17.6 billion in green economy investments
- One-time doubling of the Canada Community-Building Fund (formerly Gas Tax Fund)
- $180 billion 12-year Investing in Canada Plan announced in 2016 ($71 billion spent as of March 2021)
- Historic increase in Indigenous investment

North America Alignment & Focus

- Feb 2021: Roadmap for a Renewed US-Canada Partnership places emphasis on
  - Climate change
  - Global health security
  - Defence and security
  - Diversity, equity and Justice
- Budget 2021: establishment of new Canada Water agency places national emphasis on preserving freshwater resources

Potential US Resiliency Funding Programs

FEDERAL

- Federal Emergency Management Agency
- Environmental Protection Agency
- Fish & Wildlife Services
- National Oceanic & Atmospheric Administration
- Economic Development Administration
- Department of Energy
- National Park Service
- Department of Housing & Urban Development

FOUNDATIONS

- The Water Research Foundation
- National Fish & Wildlife Foundation
- Wildlife Conservation Society
- Oak Foundation
- American Association of Retired Persons
- The Outdoor Foundation
- National Science Foundation

STATES

Divisions of …

- Environment
- Natural Resources
- Economic Development
- Homeland Security

Potential Canadian Resiliency Funding Programs

FEDERAL

Disaster Mitigation and Adaptation Fund

Green Municipal Fund

Municipal Asset Management Program

(New) Canada Community Revitalization Fund

(New) Nature Smart Climate Solutions Fund

(New) Natural Infrastructure Fund

(New) Smart and Renewables and Electrifications Pathways Fund

(New) Active Transportation Fund

FEDERAL AND PROVINCIAL

Canada Community-Building Fund (formerly Gas Tax Fund)

Investing in Canada Infrastructure Program (ICIP)

National Disaster Mitigation Fund

OTHER

Provincial and municipal divisions of …

- Infrastructure
- Environment
- Natural Resources
- Economic Development

North American Funding Trends

- Discretionary Funds to Competitive Programs
  - Benefit-Cost Analysis: ROI > 1.0
- Climate Change and Environmental Justice
- Green and Inclusive Communities
- Small, Rural
- Indigenous, Tribal
- Shovel-Worthy (balancing speed with impact)
- Innovation
- Private Participation