



## Canada Arizona Business Council

Quarterly Meeting 5/21/2021



# Agenda:

1. Speaker Introductions
2. Safety Moment
3. Company Overview
4. Project Showcase
5. Infrastructure Funding Discussion







**Aaditya Raman PE, P.Eng., MBA**  
Principal, Water Sector Leader



**Amy Broughton MBA**  
Principal, Funding Program Leader



1850

2019

#ShowYourStripes @ [www.showyourstripes.info](http://www.showyourstripes.info)  
Professor Ed Hawkins (University of Reading)

- **wave after wave –  
how do we fund climate resilience?**





## Engineering News Record (ENR)

### Global

- No. 11 Top 150 Global Design Firms (Aug. 2020)

### Green

- No. 2 Top 5 by Sector—Educational Facilities (Sep. 2020)
- No. 5 Top 5 by Sector—Retail (Sep. 2020)
- No. 8 Top 100 Green Building Design Firms (Sep. 2020)

### International

- No. 1 Top 10 by Market—Sewer/Waste (Aug. 2020)
- No. 2 Top 10 by Market—Water (Aug. 2020)
- No. 3 Top 10 by Region—United States (Aug. 2020)
- No. 8 Top 225 International Design Firms (Aug. 2020)
- No. 5 Top 10 by Market—Building (Aug. 2020)
- No. 7 Top 10 by Market—Transportation (Aug. 2020)
- No. 10 Top 10 by Market—Hazardous Waste (Aug. 2020)
- No. 10 Top 10 by Region—Latin America/Caribbean (Aug. 2020)

### Environmental

- No. 4 Top 10 by Type of Client—Private (Jul. 2020)
- No. 4 Top 10 by Type of Work—CM/PM (Jul. 2020)
- No. 5 Top 20 by Market Segment—Wastewater Treat.(Jul. 2020)
- No. 6 Top 20 by Market Segment—Water Treat./Supply (Jul. 2020)
- No. 6 Top 10 by Type of Work—Engineering/Design (Jul. 2020)
- No. 7 Top 20 Working in Non-US Locations (Jul. 2020)
- No. 8 Top 200 Environmental Firms (Jul. 2020)
- No. 8 Top 10 by Type of Work—Consulting/Studies (Jul. 2020)

### Design

- No. 4 Top 100 Pure Designers (Apr. 2021)
- No. 6 Top 20 by Sector—General Building (Apr. 2021)
- No. 7 Top 20 by Sector—Transportation (Apr. 2021)
- No. 10 Top 500 Design Firms (Apr. 2021)
- No. 11 Top 20 by Sector—Sewer and Waste (Apr. 2021)
- No. 6 Top 20 by Sector—Water (Apr. 2021)
- No. 17 Top 20 by Sector—Power (Apr. 2021)
- No. 19 Top 20 by Sector—Industrial Process/Petroleum (Apr. 2021)

### CM-for-Fee

- No. 11 Top 20 Combined Design/CM-PM Prof. Serv. Rev. (Jun. 2020)
- **No. 19 Top 100 Construction Management/PM-for-Fee Firms (Jun. 2020)**
- No. 21 Top 50 Program Management Firms (Jun. 2020)

### International Contractors

- No. 9 Top 20 Non-US Firms in Total Global Const. Mgmt. and Program Mgmt. Fees (Aug. 2020)
- No. 10 Top 20 Non-US Firms in Int'l Const. Mgmt. and Program Mgmt. Fees (Aug. 2020)

Stantec  
20,000+ employees  
400+ offices

In Arizona  
350+ employees  
2 offices





# Our Recent Work



Tempe Town Lake – New Rubber Dam



Nogales Wastewater Treatment Plant



Tucson Streetcar



Valley Metro Light Rail Expansion





# Innovation



Accelerating automated  
mobility



Integrated digital technology  
solutions





# carbon is not the only cycle with approaching tipping point(s)

We are seeing a strong focus on carbon neutrality and the drive forward to net zero emissions in the carbon cycle.

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Our mission is to make sure that net zero water is part of this discussion.

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Interestingly, try googling “net zero watershed” – you’ll get all of six results

*NPR (2019)*

- ice sheet disintegration
- permafrost loss
- boreal forest shift
- atlantic meridional overturning circulation breakdown
- rainforest deforestation
- monsoonal shift
- coral reef die-off



# Infrastructure challenges and opportunities, and some promising funding possibilities...



## North American Funding Program

### Infrastructure Funding

May 21, 2021





# NAFP Funding Services

Focused on finding the  
best funding for projects



## \$4B+

Secured in grant  
and loan funding  
for various projects

## 150+

Funding experts  
around the country

## 100+

Programs leveraged  
to advance  
community projects

## \$1B+

Obtained for water  
and wastewater  
projects





## 01

### Develop a Funding Strategy

- Identify priority projects
- Research potential funding sources
- Evaluate probability of success and return on effort
- Confirm eligibility
- Prioritize which grants and loans are worth pursuing
- Finalize funding strategy and schedule

## 02

### Application Preparation

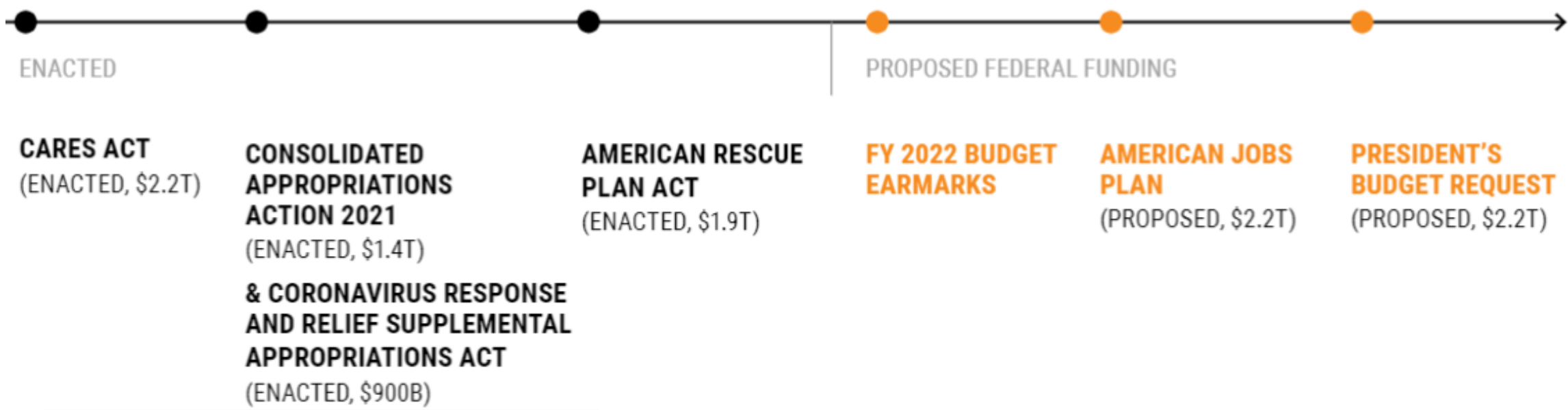
- Designate lead funding specialist and team
- Facilitate funding application kick off
- Develop and manage all elements of application (i.e. *narrative, attachments, letters of support*)
- Assemble application package and assist with delivery

### Secure Funding

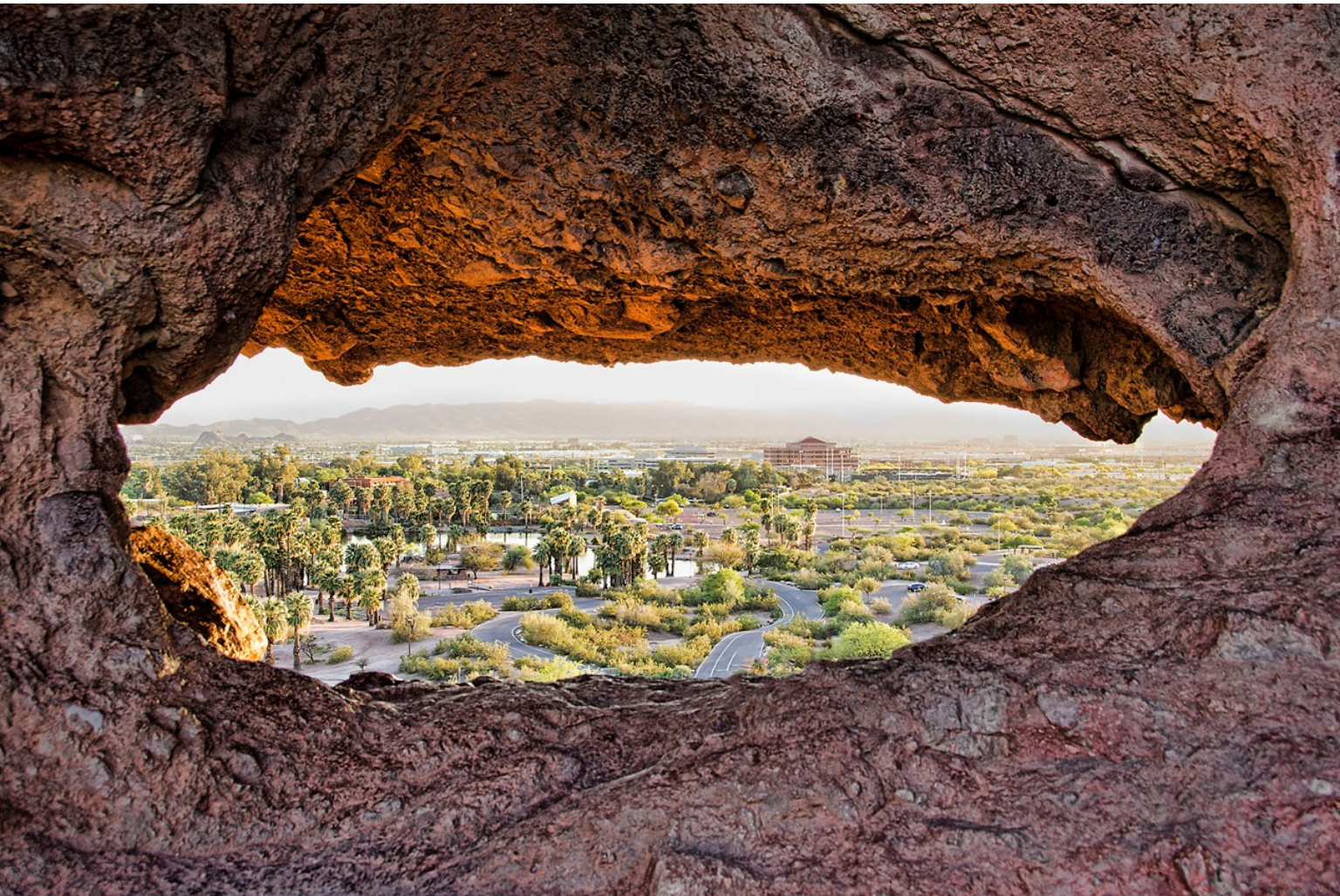
## 03

### Project Management & Oversight

- Provide project management and oversight as needed
- Support funding agreement negotiations
- Refine scope and budget if needed
- Assist with reporting requirements



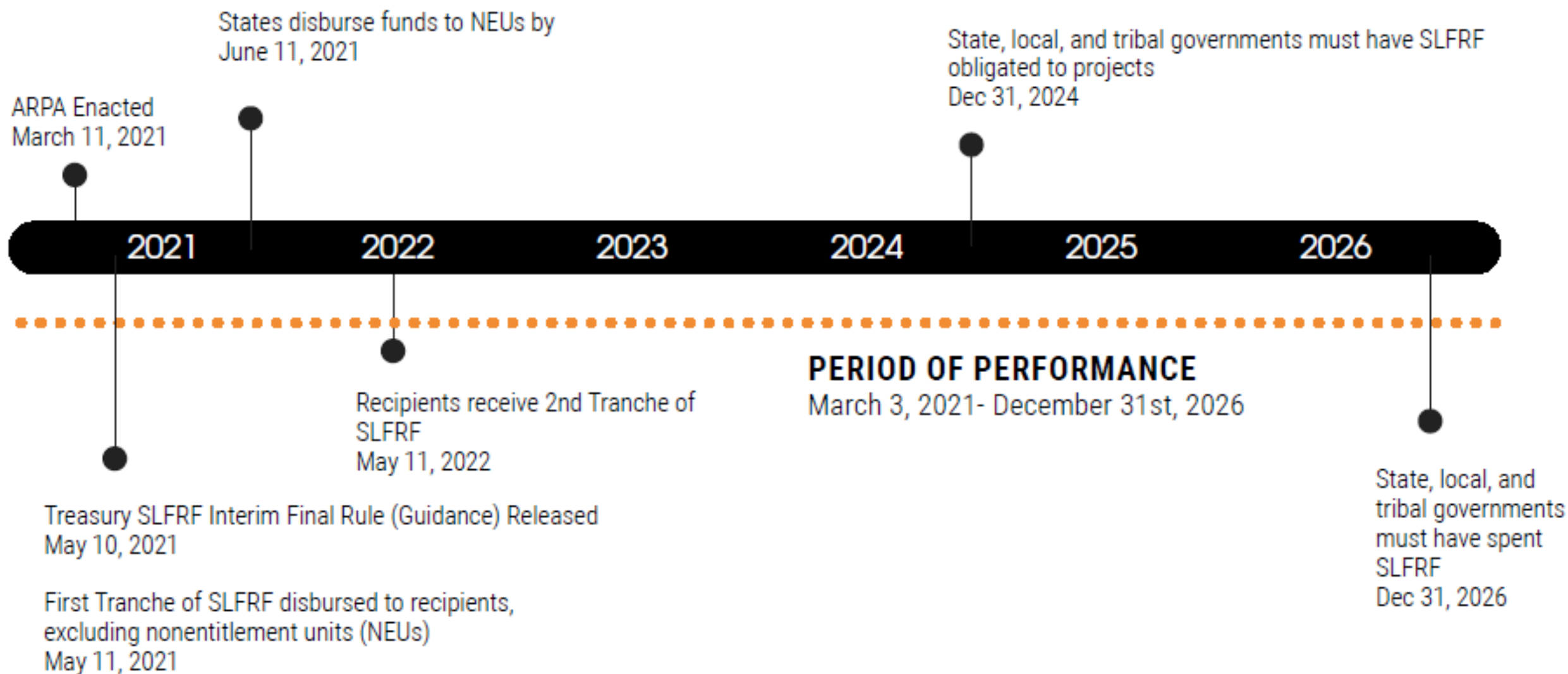




## ARPA: State & Local Fiscal Recovery Funds (SLFRF)

- \$350 Billion
- Respond to the impact of COVID-19
- AZ State - \$4.8 Billion
- AZ Local Gov - \$2.6 Billion

## SLFRF Timeline





# ARPA: SLFRF Uses

- **Public Health & Economic Hardship**
- **Essential Workers**
- **Revenue Shortfalls**
- **Water, Sewer, Broadband Infrastructure**





## ARPA SLFRF Prohibited Uses

States and territories may not use the funds to offset a reduction in tax revenue (related to a recent change in law) or delay the imposition of any tax or tax increase.

May not be used for deposit into any pension fund.

May not be used for legal settlements.

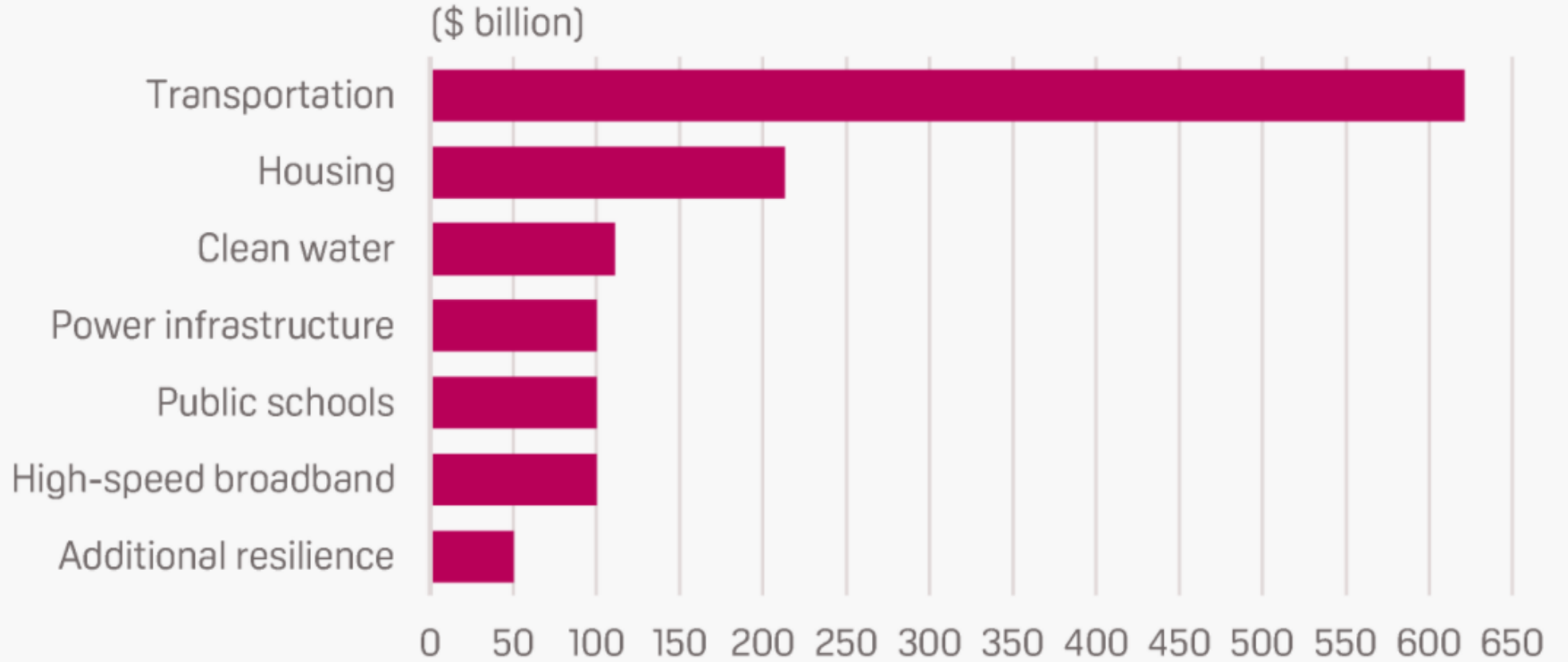
States may not further restrict FRF to non-entitlements.

May not be used for federal matching requirements of a federal program.



PROPOSED

## AMERICAN JOBS PLAN KEY INVESTMENTS



Source: White House



## FUNDING TRENDS

- Climate Change and Environmental Justice
- Racial Equity and Access to Opportunity
- Small and Rural
- Use Existing Programs
  - Two-step process
  - Applicants have plan
  - Demonstration of need
- Balance Speed (Shovel-ready) with Long-Term Impact
- Innovation
- Private Participation OK





## Water & Wastewater Feasibility Study for Douglas Commercial POE

Presentation to the City of Douglas Mayor and Council | February 24, 2021 | Virtual Meeting





## North American Funding Program

American Rescue Plan Act  
State & Local Fiscal Recovery Funds

May 17, 2021

[Amy.broughton@stantec.com](mailto:Amy.broughton@stantec.com)

[Heidi.peper@stantec.com](mailto:Heidi.peper@stantec.com)

[David.goldwater@stantec.com](mailto:David.goldwater@stantec.com)

