



# INFRASTRUCTURE INVESTMENT AND JOBS ACT OVERVIEW

AHMP Heartland Chapter

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## Infrastructure Funding Drives Policy Outcomes

- Changes to existing programs to expand eligibilities
- Creation of new programs
- Discretionary Programs allow for Administration to award funding to projects that align with policy priorities

## Overarching Themes for Infrastructure Funding

- Equity and Environmental Justice
- Climate Change and Adaptation
- Sustainability and State of Good Repair
- Economic Competitiveness



1

**IIJA Overview**

5

**So Now What?**

2

**Equity and Environmental  
Justice**

6

**Discussion**

3

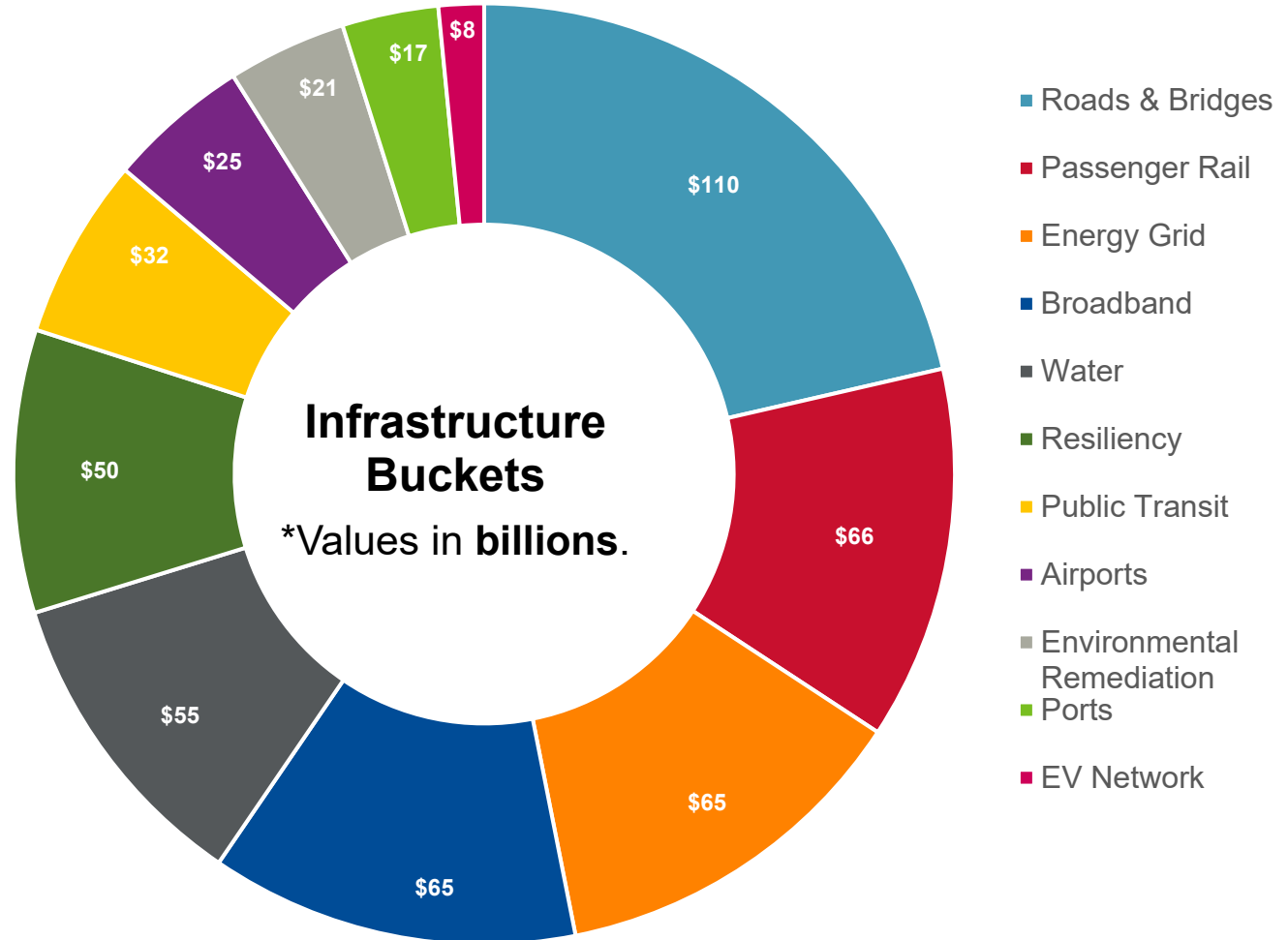
**Climate Change, Adaptation, and  
Resiliency**

4

**Sustainability & State of Good  
Repair**

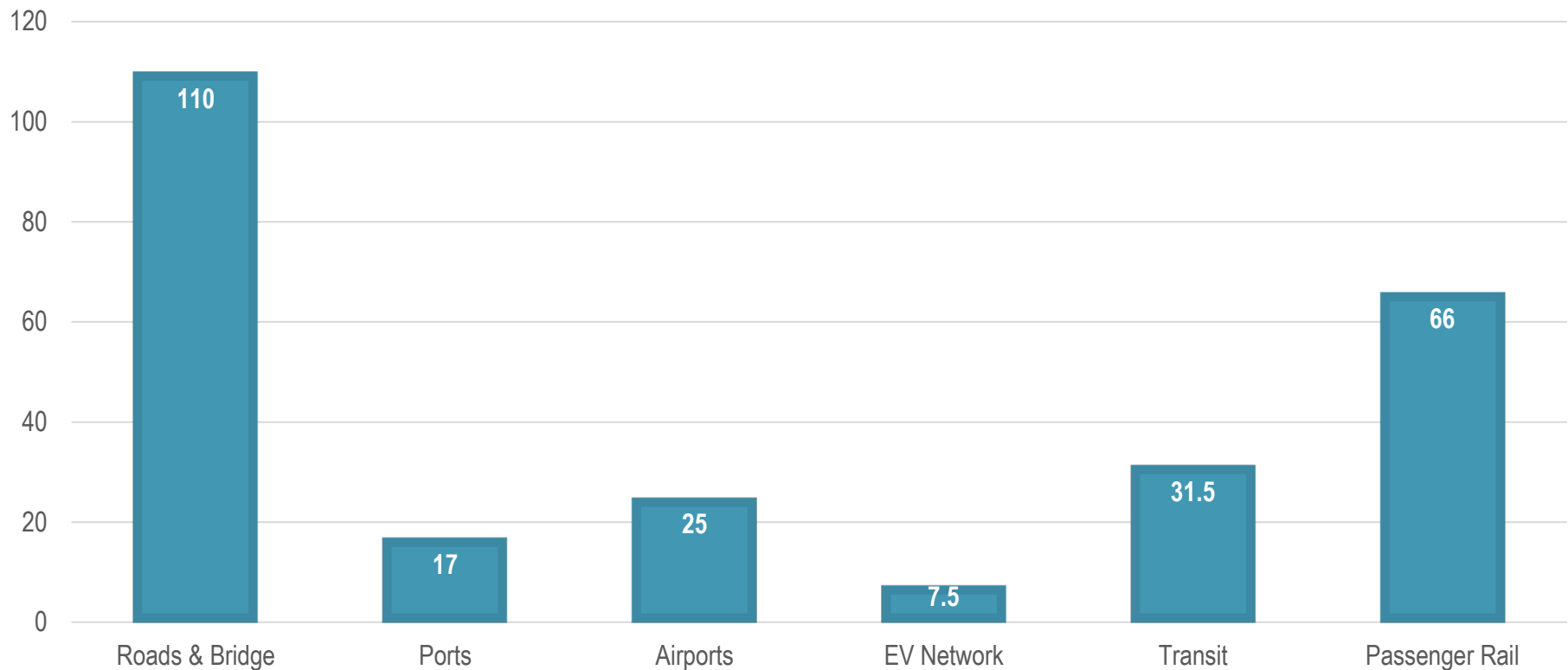
# Generational Investment and Policy Vehicle

Totals represent  
**NEW** investment

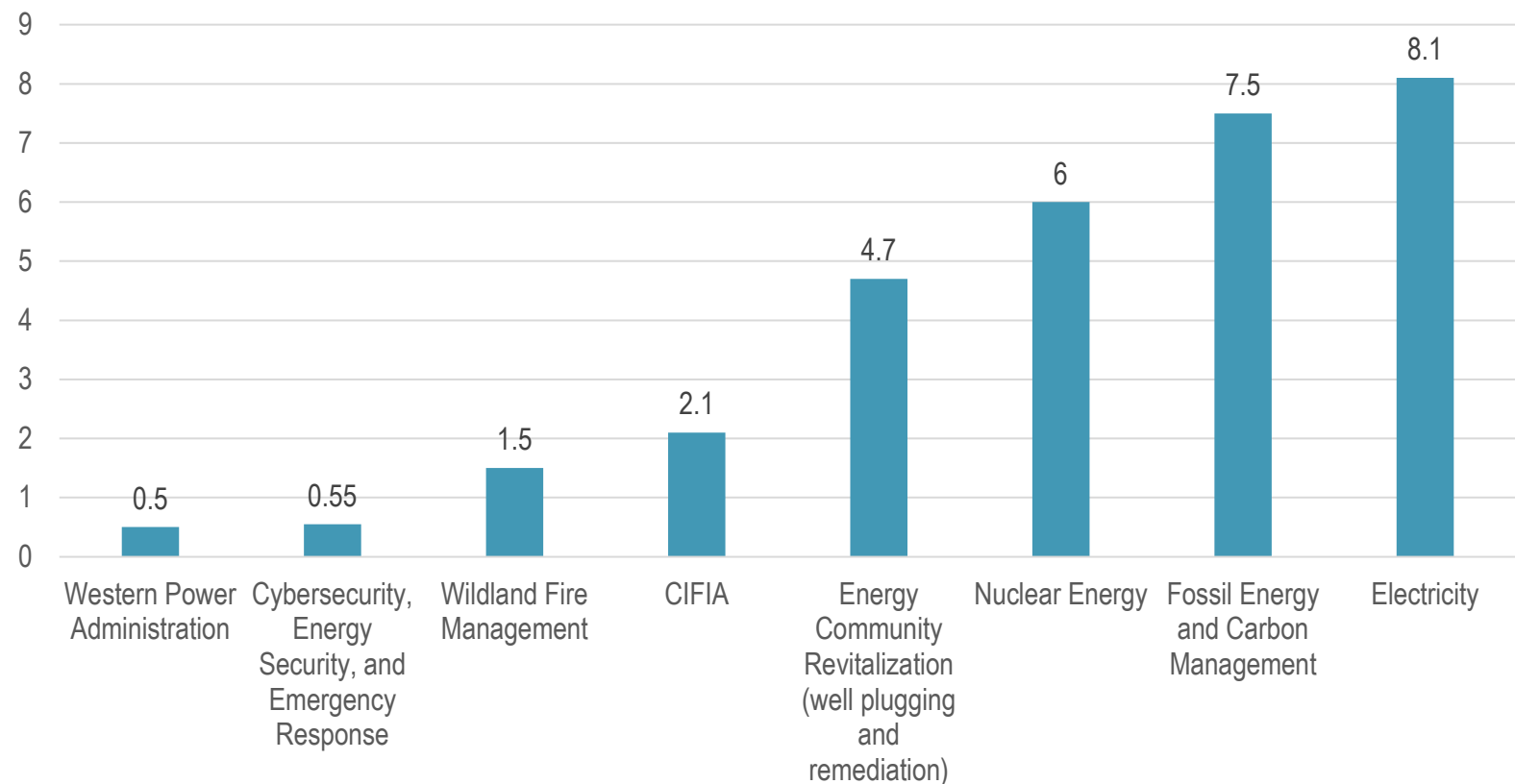




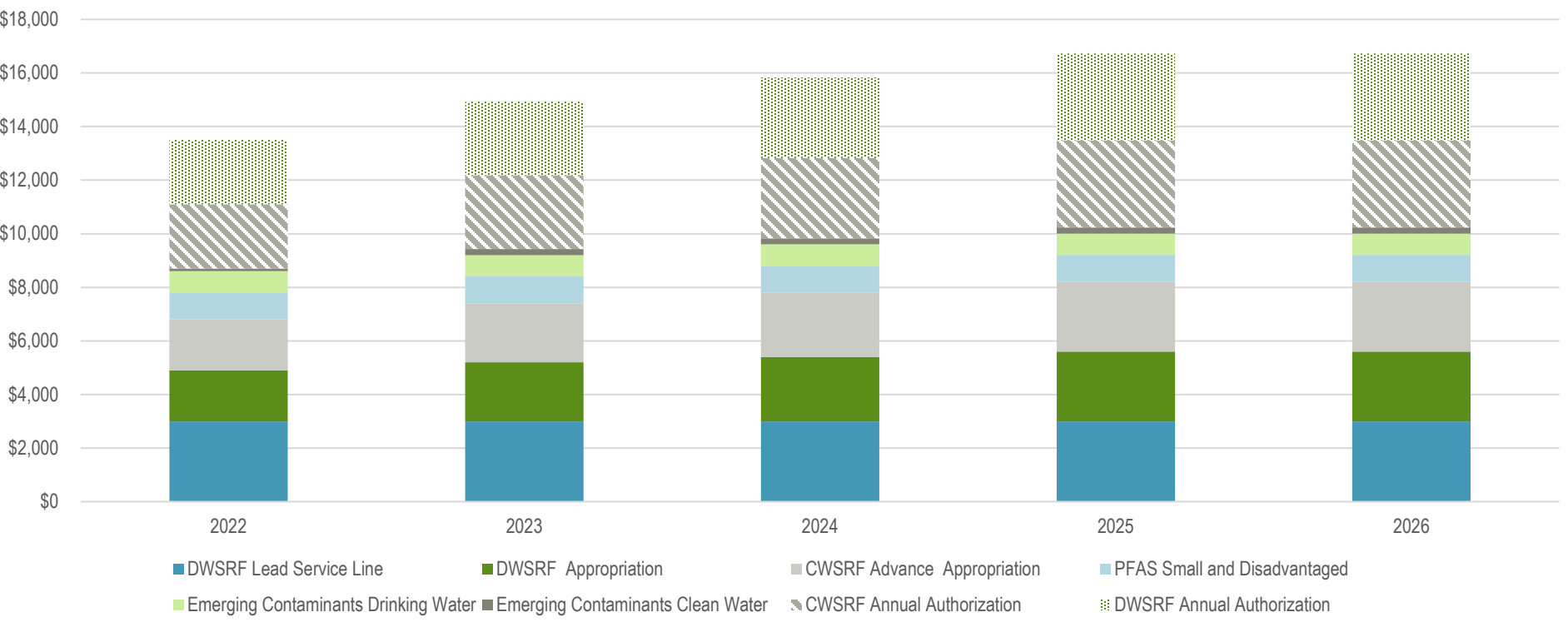
# NEW INVESTMENTS IN TRANSPORTATION (IN BILLIONS)



# ENERGY INVESTMENTS (IN BILLIONS)



# EPA WATER PROGRAMS (IN MILLIONS)



# BROADBAND PROGRAMS UNDER DEPARTMENT OF COMMERCE



Broadband Equity, Access  
and Deployment Program

\$42.45 billion  
Distributed to states  
which may make  
additional grants



State Digital Equity  
Capacity Grant Program

\$1.5 billion  
Awarded to statewide  
agencies or entities



Digital Equity Competitive  
Grant Program

\$1.25 billion  
Available to entities that  
do not receive State  
Capacity Grants



Middle Mile Grants

\$1 billion  
Available to public and  
private entities





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2

## **ENVIRONMENTAL JUSTICE AND EQUITY**

# ENVIRONMENTAL JUSTICE EXECUTIVE ORDER OVERVIEW

<b><a href="#">EO 12898</a>:</b> Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations	Identify and address the disproportionately high and adverse human health or environmental effects of their actions on minority and low-income populations
	Develop a strategy for implementing environmental justice
	Promote nondiscrimination in federal programs that affect human health and the environment, as well as provide minority and low-income communities access to public information and public participation.
<b><a href="#">EO 13985</a>:</b> Advancing Racial Equity and Support for Underserved Communities through the Federal Government	Establishes a 'systematic' approach advance equity, promote fairness and to redress inequities through government programs
	Defines 'equity' and 'underserved communities'
	Requires agencies to programmatically review and address barriers to access
<b><a href="#">EO 14008</a>:</b> Tackling the Climate Crisis at Home and Abroad	Relates climate change and equity directly; tells agencies to address disproportionate climate change impacts as part of EJ analysis
	Creates EJ Interagency Council charged with developing strategies to address historic EJ concerns
	Directs the CEQ to develop <a href="#">Climate and Environmental Justice Screening Tool</a> (now in beta)



## Justice40 Initiative Overview

- Established by EO 14008
- “aims to deliver 40 percent of the overall benefits of federal investments in climate and sustainable transportation to disadvantaged communities.”
- Interim guidance issued July 2021
- Key factor in determining funding awards through climate related investments.



# EQUITY INVESTMENTS IN THE INFRASTRUCTURE BILL



- \$23.5 billion for low-interest loans and grants to improve water infrastructure
- \$15 billion to replace lead pipes
- Pilot program to subsidize access to drinking water and sanitation services
- \$1 billion to address emerging contaminants in small and underserved water systems



\$2 billion investment in rural transportation  
\$1 billion for Reconnecting Communities  
\$500 million for Healthy Streets Program



\$42.5 billion in broadband deployment  
\$2.75 billion in digital equity grants

# EQUITY CONSIDERATIONS IN INFRASTRUCTURE BILL

- Beyond funding projects focused on promoting equity and supporting environmental justice – many programs now require an equity lens when evaluating the project's merits



New MEGA program requires consideration of whether a project will benefit a “historically disadvantaged community or population or an area of persistent poverty”



New Congestion Relief Program requires consideration of the effect of tolls on low-income drivers



Inland Flood Risk Management funds must prioritize funding for multi-purpose projects that directly benefit economically disadvantaged communities



EPA will study historic distributions of funds to small and disadvantaged communities and determine new opportunities to improve the process for low-income communities, rural communities, minority communities and indigenous communities



3

# **CLIMATE CHANGE, ADAPTATION AND RESILIENCY INVESTMENTS**

# SETTING THE STAGE

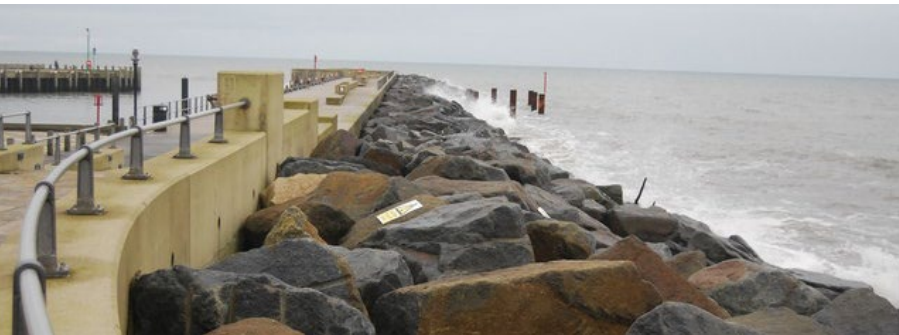
- Executive Order 14008 – Tackling the Climate Crisis at Home and Abroad (January 27, 2021)
  - Government-wide approach to climate crisis
  - Establishes WH Office of Domestic Climate Policy
  - Creates National Climate Task Force
- Administration sets target of 50 – 52% reduction from 2005 levels of GHG emissions by 2030
- Net zero emissions by 2050





# WHITE HOUSE STATEMENT ON INFRASTRUCTURE BILL AND CLIMATE

- Improve transportation options for millions of Americans and reduce greenhouse emissions through the largest investment in public transit in U.S. history
- Upgrade power infrastructure to deliver clean, reliable energy across the country and deploy cutting-edge energy technology to achieve a zero-emission future
- Build a national network of electric vehicle chargers
- Make our infrastructure resilient against the impacts of climate change, cyber-attacks, and extreme weather events

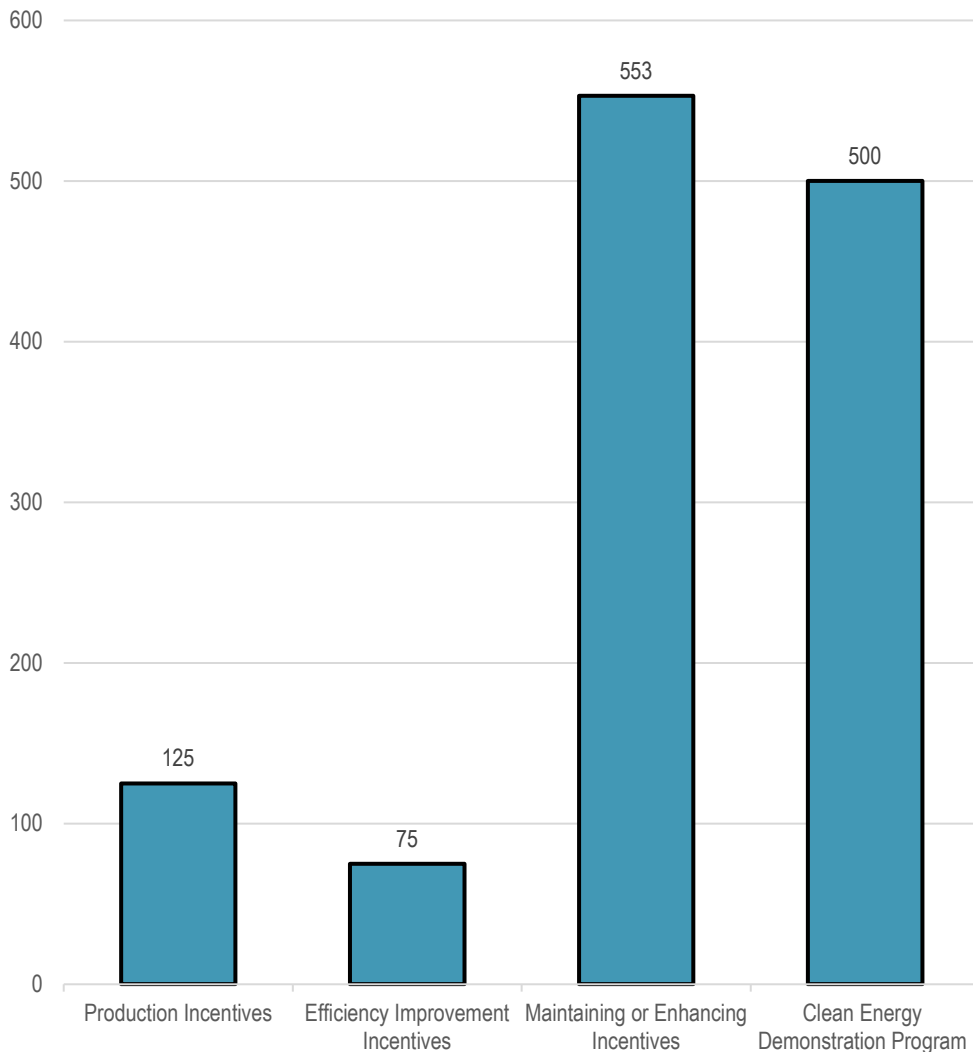




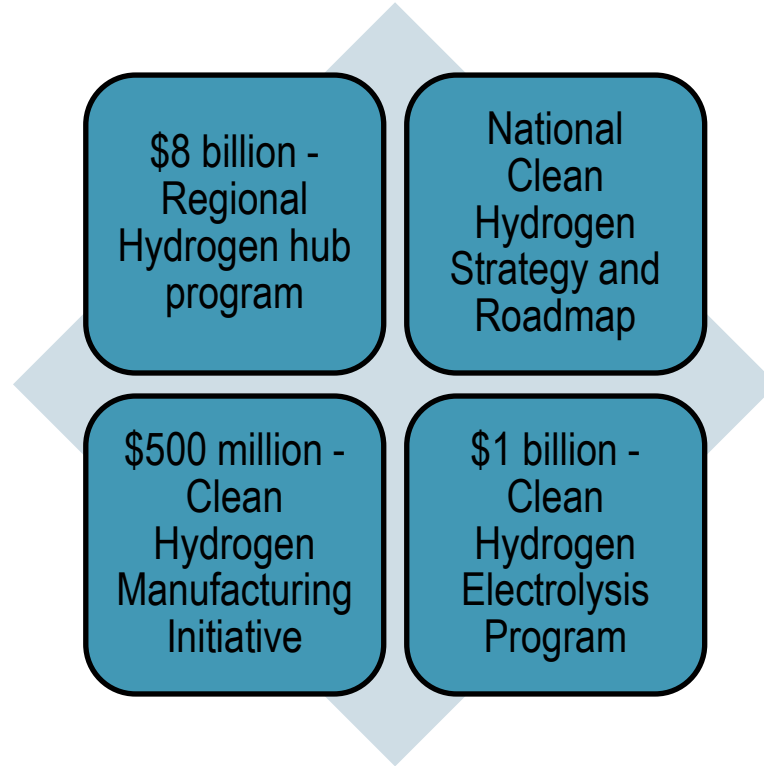
# ENERGY PROVISIONS

# CLEAN ENERGY PROGRAMS AND HYDROELECTRIC INCENTIVES

- Hydroelectric production incentives
- Hydroelectric efficiency improvement incentives
- Maintaining and enhancing hydroelectricity incentives
- Clean energy demonstration program on current and former mine land



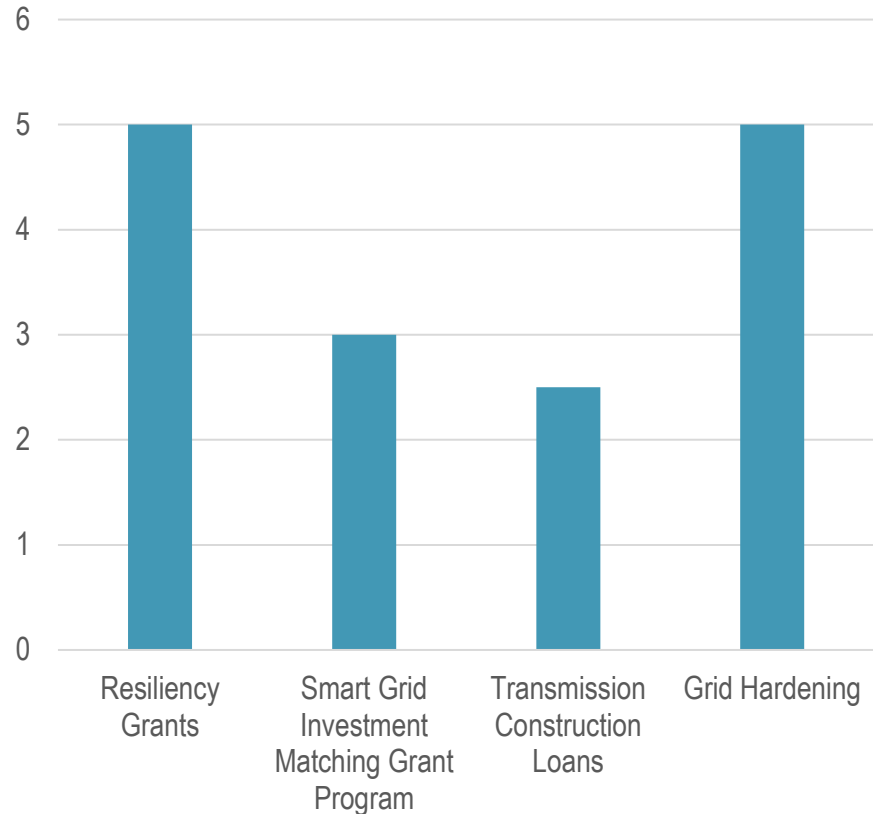
# CLEAN HYDROGEN PROGRAMS





# GRID INFRASTRUCTURE AND RESILIENCY

- \$5 billion research and demonstration activities that reduce likelihood and consequences of impacts due to extreme weather, wildfire, and natural disasters
- \$3 billion to increase grid flexibility, rebalancing, and support to allow for integration of renewable energy
- \$2.5 billion in loans for construction of transmission lines
- \$5 billion for grid hardening



# CRITICAL ELEMENTS

Expand capacity to store renewable energy

Directs USGS to map domestic surface and subsurface to look for potential deposits and mining sites prioritizing abandoned mine areas and mine waste lands

10-year time horizon

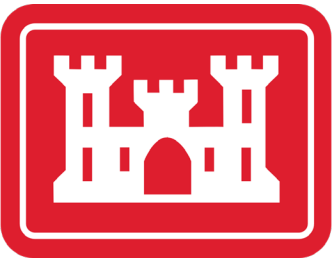
Provides \$140 million to establish partnerships with academic institutions for energy and minerals research

\$200 million to develop and construct domestic battery manufacturing and recycling plants

Expands Department of Energy's Loan Program Office to finance projects that increase domestic supply of critical minerals

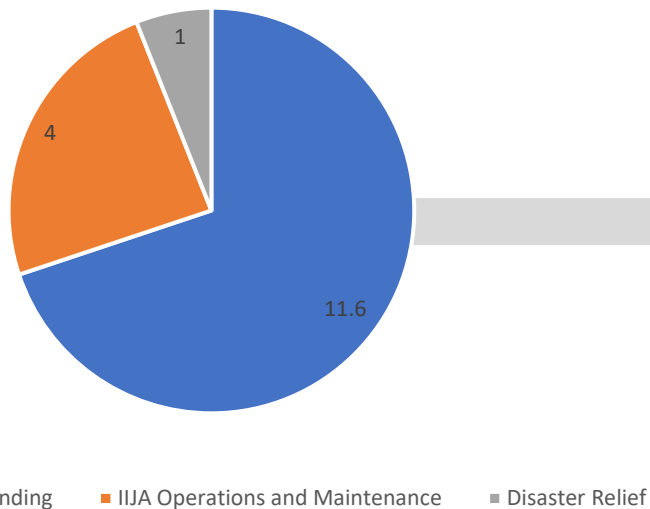


## **RESILIENCY PROGRAMS AND FUNDING**

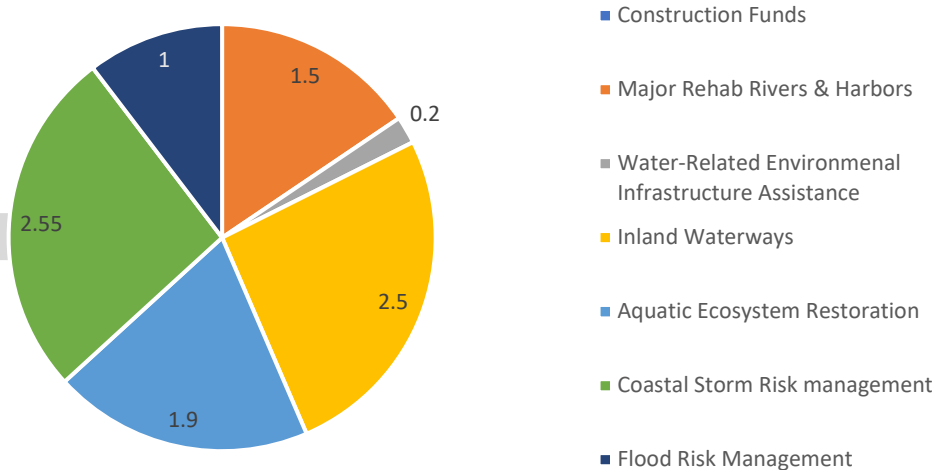


# US Army Corps of Engineers Funding

IIJA Funding



Construction Funds (in \$billions)



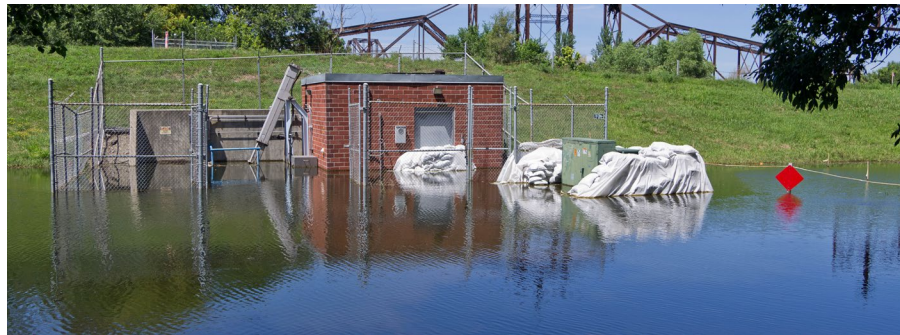


# FEMA

Flood Mitigation Assistance Grants **\$3.5 billion**

Building Resilient Infrastructure and Communities **\$1 billion**

Safeguarding Tomorrow Through Ongoing Risk Mitigation (STORM) **\$500 Million**  
- Revolving loan program (not IIJA)





## \$2 billion over five years authorized

- \$492 million for National Coastal Resiliency Fund
  - Improves resilience of coastal communities at risk of flooding and inundation
- \$491 million for Community Based Restoration Project
  - Improve the buffering of shorelines from erosion, reducing flooding, removing potentially hazardous structures
- \$492 million for mapping, observations and modeling





# EMERGENCY WATERSHED PROTECTION PROGRAM

**\$300 Million over 5 years**



- Helps communities recover after a natural disaster strikes. Offers technical and financial assistance to help communities relieve imminent threats to life and property caused by floods, fires, windstorms and other natural disasters that impair a watershed.



# TRANSPORTATION FORMULA PROGRAMS TO IMPROVE RESILIENCY AND COMBAT CLIMATE CHANGE

## Carbon Reduction Formula Program (\$6.4 billion)

- Reduce transportation emissions through technology and projects
- Guidance and apportionments announced TODAY (4/21/22)

## Promoting Resilient Operations for Transformative, Efficient, and Cost-saving (\$7.3 billion in formula)

- Enhance resiliency
- Ensure continuity of operations after natural disaster
- Use and improve natural coastal infrastructure

## Surface Transportation Block Grant Program

- Expanded eligibility to include climate-related programs

## Electric Vehicle Formula Program (\$5 billion per year)

- Strategically deploy electric vehicle charging infrastructure

# TRANSPORTATION DISCRETIONARY GRANTS SUPPORTING RESILIENCY AND GHG REDUCTIONS



Promoting Resilient Operations for Transformative, Efficient, and Cost-Saving Transportation

- \$1.4 billion



National Culvert Removal, Replacement, and Restoration Grant Program

- Up to \$5 billion



Bridge Investment Program

- Up to \$12.5 billion



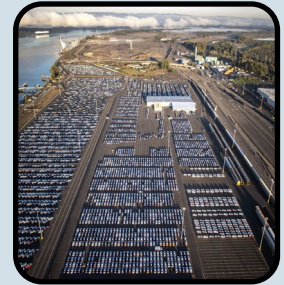
Charging and Fueling Infrastructure

- \$2.5 billion



Port Infrastructure Development Program

- \$2.5 billion



Reduction of Truck Emissions at Port Facilities

- \$400 million

# AND MORE...

- Clean buses and ferries
  - \$5.6 billion for Low- or No-emission buses
  - Clean school buses \$5 billion over five years
    - \$500 million/year for zero-emission
    - \$500 million/year for “clean”(i.e., alternative fuel)
- Western Water Funding
  - Water desalination
  - Efforts to combat drought and renew water storage levels
- **Wildfire mitigation (\$3.5 billion)**
- And more...







# 04 SUSTAINABILITY AND STATE OF GOOD REPAIR



# CARBON REMOVAL, TRANSPORT AND SEQUESTRATION

- \$3.5 billion to support creation of regional direct air capture hubs
  - Sequester, use at least 1 million metric tons of carbon dioxide annually
  - Demonstrate the capture, processing, delivery and sequestration or end use of captured carbon
- CO<sub>2</sub> Transportation Infrastructure and Innovation
  - New loan program, similar to TIFIA, WIFIA to finance carbon capture initiatives in the private sector
  - \$2.1 billion authorized
- \$100 million Carbon Capture Technology
- \$2.5 billion expanding Carbon Storage Validation and Testing Program



# ABANDONED SITE RECLAMATION

## Mines and Orphaned Wells

- Orphaned well site plugging, remediation and restoration
  - \$4.7 billion
- Abandoned Mine Reclamation
  - \$11.2 billion available
- Abandoned Hardrock Mine Reclamation
  - Up to \$3 billion available



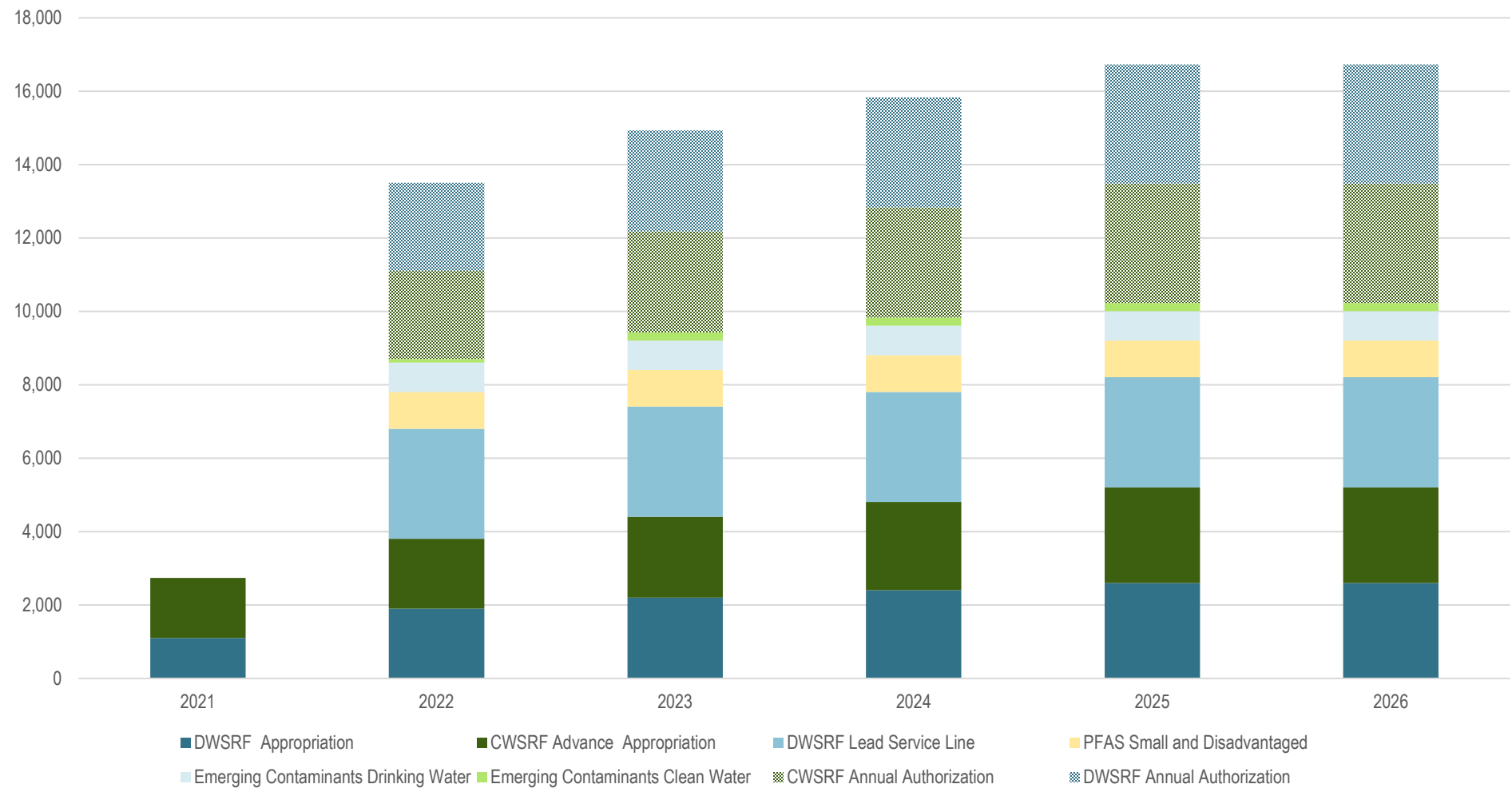


# SUPERFUND

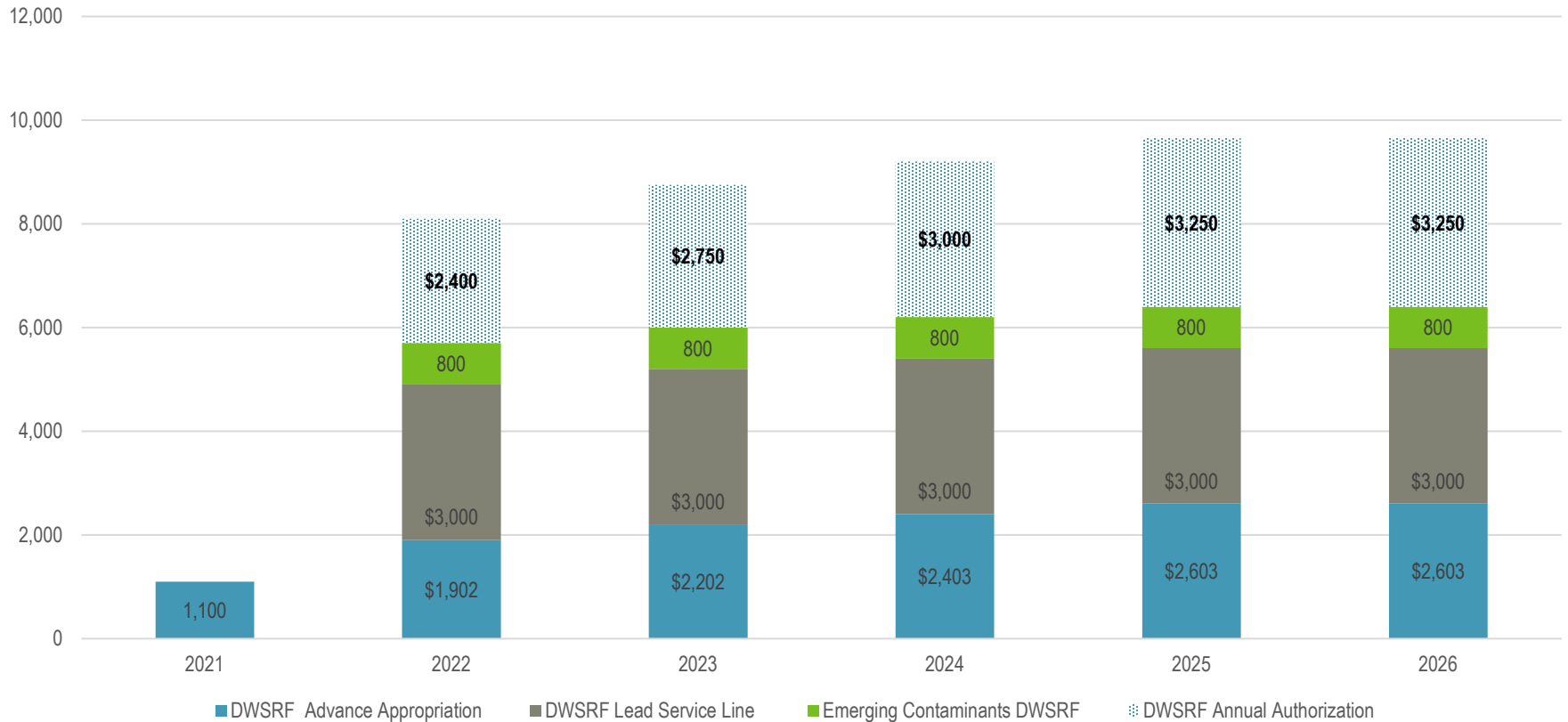
- \$3.5 billion supplemental appropriation
- Must consider unique needs of Tribal communities
- Not subject to cost-share requirements under CERCLA



FY 2021 and IIJA Funding for EPA Administered Water Programs ( in millions)

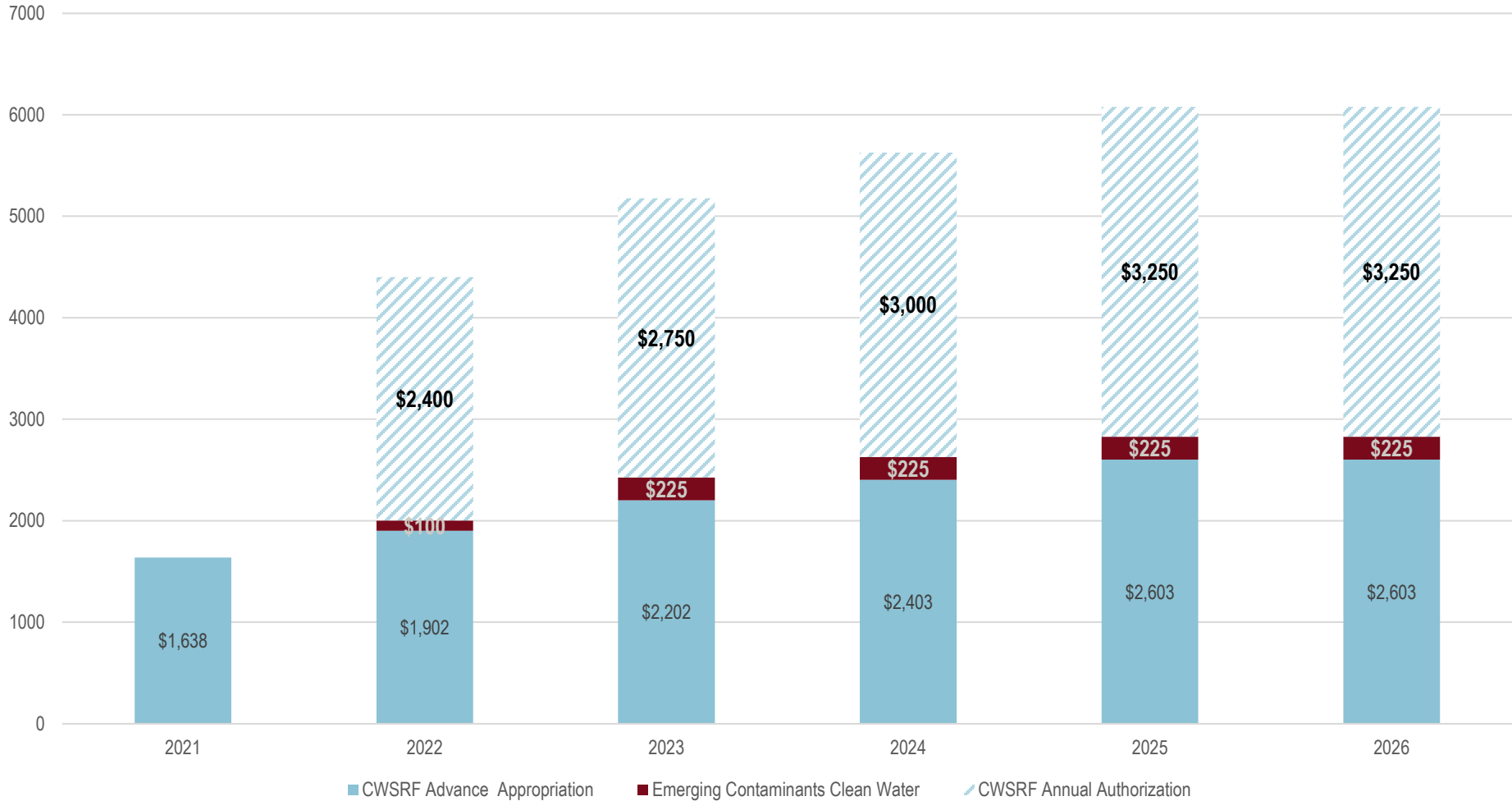


FY 2021 and IIJA Funding for SRF Drinking Water Programs (in millions)

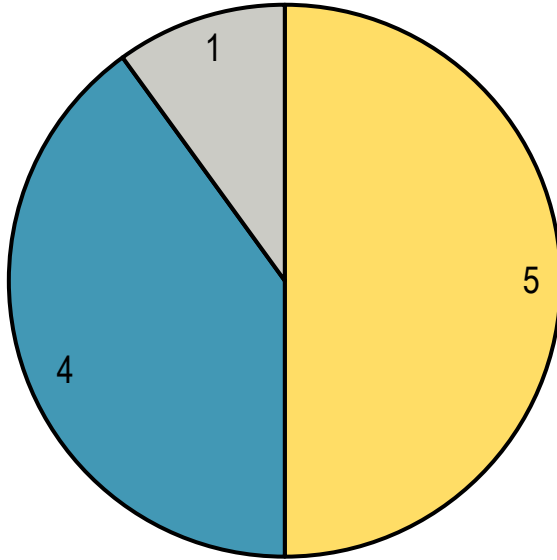




FY 2021 and IIJA Funding for SRF Clean Water Programs ( in millions)



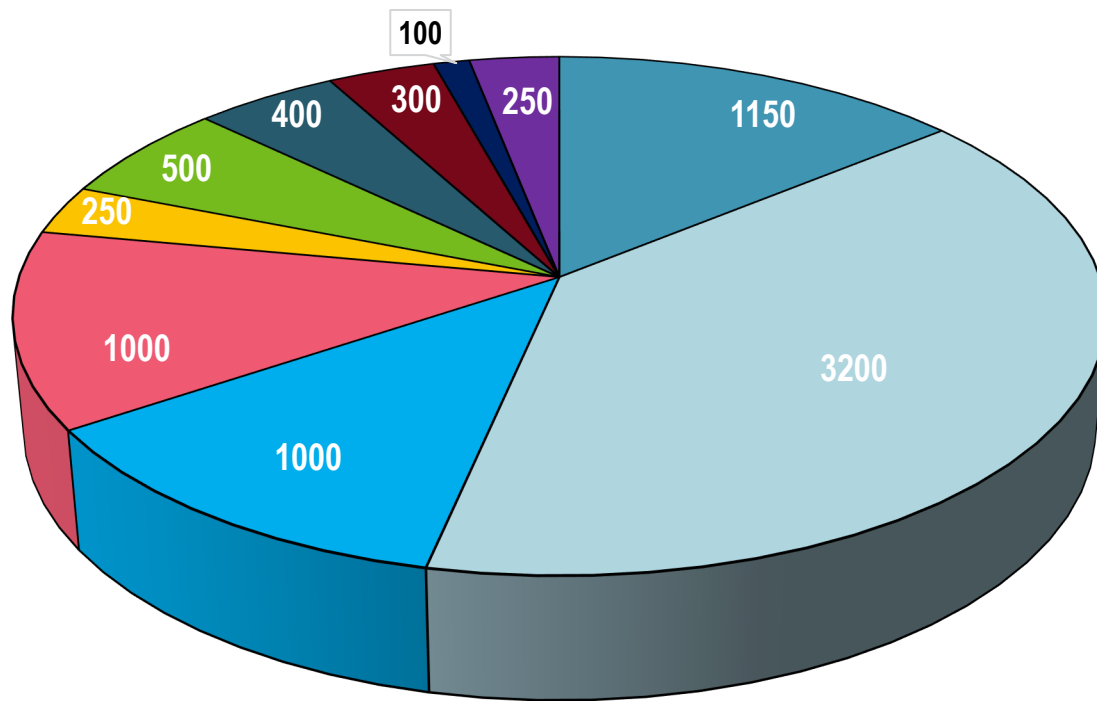
## Emerging Contaminants Programs (in \$billions)



■ Small and Disadvantaged Communities   ■ DWSRF   ■ CWSRF



## Western Water Infrastructure, in \$millions



- Water Storage
- Aging Infrastructure
- Rural Water
- Water Recycling
- Water Desalination
- Dam Safety
- WaterSMART
- CO River
- Watershed Management
- Aquatic Ecosystem



5

**SO NOW WHAT?**



# HOW GREAT IS IT REALLY?

What may limit the effectiveness of the investments?

- Labor shortage
- Bureaucracy slows establishment of new programs
- Capacity of grantees
- Inflation effects on project budgets





# AVAILABLE RESOURCES

- White House Playbooks
  - Building A Better America
  - Rural Playbook
- Agency sites focused on infrastructure
- HDR Policy and Funding Briefs



IJA and Federal Infrastructure Policy and Funding Resources

### Empowering You and Our Infrastructure

President Biden recently signed the Infrastructure Investment and Jobs Act, also referred to as the Bipartisan Infrastructure Bill. This legislation represents a generational investment in roads, bridges, transit, passenger and freight rail, ports and airports, delivering clean water, moving toward greater renewable energy production, and closing the digital divide by expanding broadband deployment. The IJA increases funding and modifies eligibility to existing programs and creates new funding programs to restore and rebuild the nation's infrastructure.

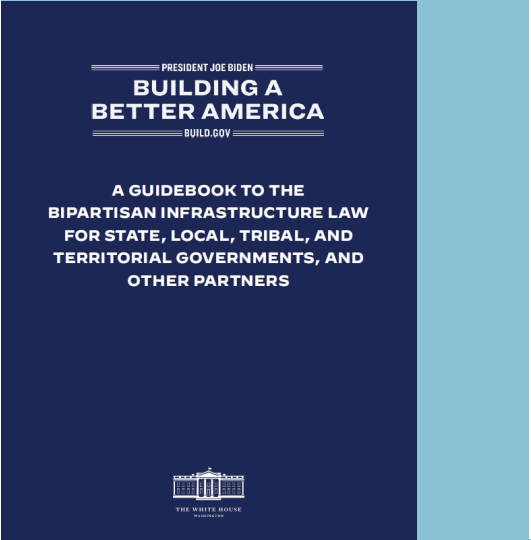
We are committed to empowering our clients to advance infrastructure, pulling out the key information in the bill that our clients need to plan their programs and secure new funding. We also monitor the federal policies affecting infrastructure and provide analysis that will help our clients.

### Infrastructure Policy Updates

Sign up to receive email updates when we publish new insights or when important new information on policy or funding is available from the agencies as they implement the legislation.

[SUBSCRIBE](#)

[U.S. Agency IJA Resources](#)



H. R. 3684

One Hundred Seventeenth Congress  
of the  
United States of America  
AT THE FIRST SESSION  
Begun and held at the City of Washington on Sunday,  
the third day of January, two thousand and twenty-one

### AN ACT

To authorize funds for Federal-aid highways, highway safety programs, and transit programs, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

#### SECTION 1. SHORT TITLE; TABLE OF CONTENTS.

(a) SHORT TITLE.—This Act may be cited as the “Infrastructure Investment and Jobs Act.”

(b) TABLE OF CONTENTS.—The table of contents for this Act is as follows:

Sec. 1. Short title; table of contents.

Sec. 2. References.

SECTION 1.—SURFACE TRANSPORTATION

Sec. 10001. Short title.

Sec. 10002. References.

Sec. 10003. Definitions.

Sec. 10004. Federal-aid highways.

Sec. 10005. Authorization of appropriations.

Sec. 10006. Highway safety.

Sec. 10007. Federal-aid highway program.

Sec. 10008. Federal-aid highway program.

Sec. 10009. Federal-aid highway program.

Sec. 10010. Federal-aid highway program.

Sec. 10011. Federal-aid highway program.

Sec. 10012. Federal-aid highway program.

Sec. 10013. Federal-aid highway program.

Sec. 10014. Federal-aid highway program.

Sec. 10015. Federal-aid highway program.

Sec. 10016. Federal-aid highway program.



6

# DISCUSSION



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