



# IIJA/BIL Implementation Sub-Working Group for Intercity Rail

April 19, 2022





# Agenda

- Welcome and Agenda Review
- House Keeping Items and Action Items Review
- Use of CMAQ funding for Operating Assistance
- Finance Task Force Updates
- IIJA ZE and Equity Funding Programs
- Discussion Topics (ZE and Equity Related Issues)
- Recap and Action Items





# House Keeping Items & Action Items Review



- IIJA Transit Sub-working Group Updates
- Upcoming IIJA Working Group Meetings
- Upcoming IIJA Webinars
- Action Items Tracker





# Calendar of Upcoming FRA Publications

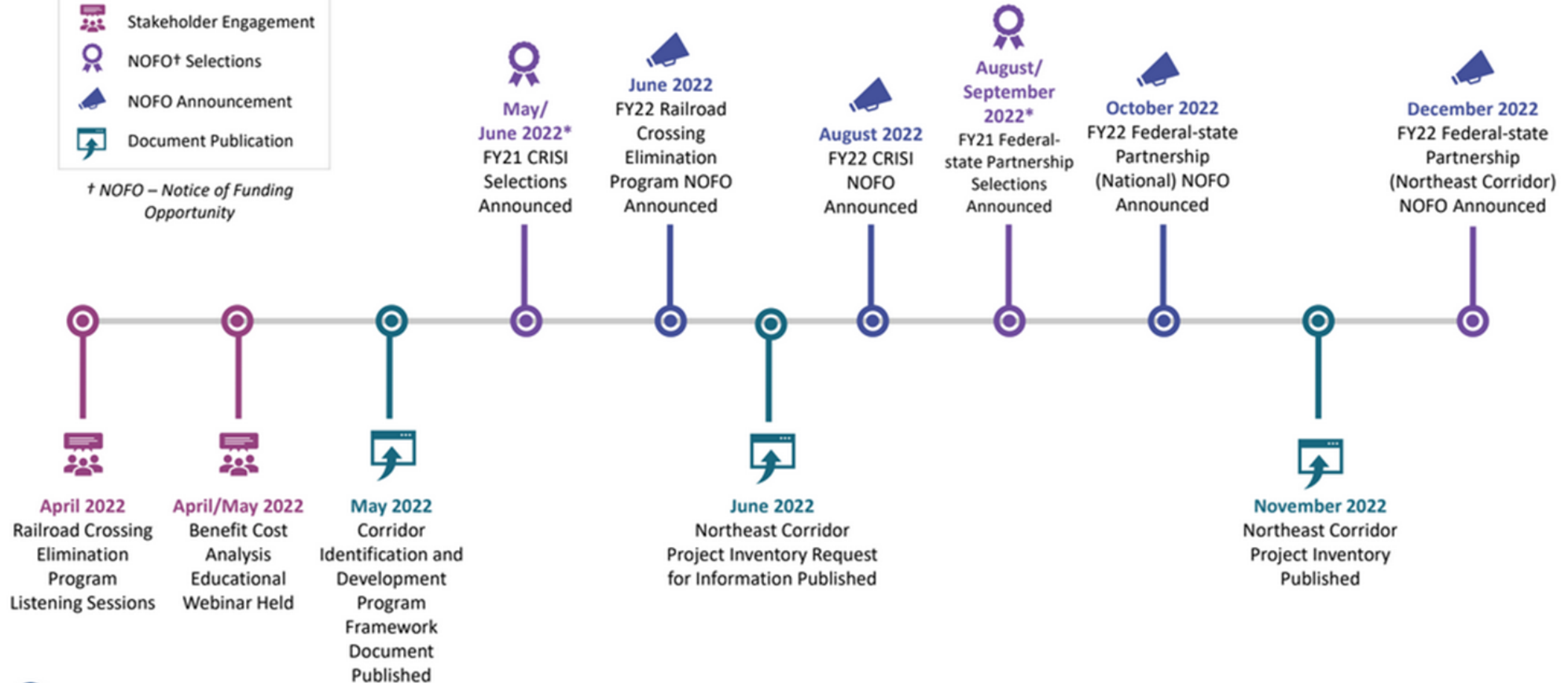


## Calendar of Upcoming FRA Publications

*\*Targeted selection period, subject to change*

- Stakeholder Engagement
- NOFO+ Selections
- NOFO Announcement
- Document Publication

*† NOFO – Notice of Funding Opportunity*





# Action Items Tracker

Action Item	Status
Send Charter out to all SWG Members	Complete
Form Task Force to explore and discuss IJA matching funds issues and other potential funding opportunities	Complete
Explore and Discuss: (1) Funds in IJA to use for maintenance and operations and; (2) Emergency related funding  (Task Force effort)	Pending
Ideas and recommendations to address ZEV and Equity related issues, and COVID related challenges  (Survey)	Pending





# Use of CMAQ Funds for Operating Assistance

- CMAQ can be used for Operating Assistance for Intercity Passenger Rail
  - FHWA's CMAQ guidelines (new/revised under IIJA)
    - “(ii) a State-supported Amtrak route with a valid cost-sharing agreement under section 209 of the Passenger Rail Investment and Improvement Act of 2008 (49 U.S.C. 24101 note; Public Law 110-432) and no current nonattainment areas under subsection (d).*
- Current Process –MPOs/RTPAs receive apportionments, and they select projects
- Next Steps – JPAs to reach out to MPOs/RTPAs





# Finance Task Force Updates

Members - TCRTA, OCTA, ACE, SJJPA, Metrolink, CCJPA, LOSSAN, Caltrans (Budgets and DRMT)

Kick off meeting was held on April 12 to discuss

- Goals/Objectives
- Toll Credit
- CMAQ Funds
- Plan for Next Meeting





# IIJA ZE Funding Programs



## Rail- and fixed guideway-dedicated programs (FRA/FTA)

Program Name	Adv. Appropriations	Summary
Consolidated Rail Infrastructure and Safety Improvement Grants	\$5 billion	Eligible projects include rehabilitating, remanufacturing, procuring, or overhauling locomotives to reduce emissions
Federal-State Partnership For Intercity Passenger Rail	\$36 billion (\$12 billion reserved for non-N.E. Corridor projects)	Eligible projects include electrification that improves the performance of an intercity passenger rail service
Capital Investment Grants	\$8 billion	Electrification of transit-dedicated corridors, including commuter rail lines that may share tracks with intercity passenger rail, are eligible.







# IIJA ZE Funding Programs

## Multimodal Programs (FHWA/OST)

Program Name	Adv. Appropriations	Summary
Congestion Mitigation and Air Quality Improvement Program	\$13.2 billion (formula to MPOs for competitive distribution)	A wide range of projects that reduce mobile-source emissions are eligible in certain areas of California, including much of the three JPAs' service areas.
RAISE	\$7.5 billion	Projects with a significant local or regional impact, including zero-emission intercity rail projects, are eligible.
Megaprojects	\$5 billion	Large, complex projects that are difficult to fund by other means and likely to generate national or regional economic, mobility, or safety benefits, including intercity passenger rail projects that may involve zero-emission vehicles or infrastructure, are eligible.
TIFIA	\$1.3 billion (federal credit assistance for loans)	Eligible projects include electrification of trains and other transit modes, and infrastructure supporting such electrification.





# ZE Challenges



## Knowledge & Requirements

**Public Perception** e.g., concerns with public view of hydrogen & battery

**Training / Knowledge** e.g., understanding different ZE options

**FRA** e.g., CFR compliance, safety & regulatory<sup>1</sup> approval for ZE tech<sup>2</sup>



## Resources & Consensus

**Resource Support** e.g., facilities support; reliability & availability of tech.

**R&D** e.g., prioritization of pilots, on-site battery charging solutions<sup>3</sup>

**Common Standards** e.g., best ZE tech., SOPs<sup>4</sup>, MTBF standards, platform height



## Economics

**Cost** e.g., R&D cost, price fluctuations, new technology

**Funding** e.g., allocation & approval, on-rail equipment, contracting

**Budget** e.g., impact on existing fleet O&M



## Infrastructure & System Issues

**Infrastructure** e.g., fueling & charging, maintenance facility

**Technical Issues** e.g., resolving retrofit obstacles, recharge/refuel downtime

**Safety Issues** e.g., emerg. scenarios, hazard analysis<sup>2</sup>, mitigation measures





# ZEHTRANS



## ZEHTRANS



### Vision

Competitive and equitable zero-emission rail in California



### Mission

Work in partnership across government, communities, and industry to transition to a zero-emission rail system supportive of a sustainable, carbon neutral economy.



Air Resources Board



Department of Transportation



Energy Commission



GO-Biz

**Become an innovation leader in ZE rail vehicles**

### Partnership

- Lead innovative initiatives in ZE rail vehicles
- Integrate state-wide efforts to accelerate rail projects
- Coordination and cooperation through ZEHTRANS, particularly for rail
- Strive to facilitate coordination between agencies to achieve transition to ZE

### Transition

- Develop and propose strategies to achieve ZE intercity rail fleet by 2035
- Implement operational efficiencies to reduce emissions
- Continually reduce emissions with equipment upgrades, renewable fuels, and ZE technologies
- Provide technical assistance



# Rail Fleet Consortium



Established in July 2020 with 15 initial member intercity and commuter rail agencies statewide and across the U.S.

- Discuss rolling stock and fleet management
- Exchange experiences
- Coordinate activities
- Align fleet strategies



# Equity Funding Programs



Program Name	Adv. Appropriations	Summary
Rail Crossing Elimination Program (FRA)	\$3 billion	Among other purposes this program can be used to fund safer bike and pedestrian connections across railroad tracks, including <b>connections at or near intercity rail stations in disadvantaged communities</b> with disproportionately high walking and biking deaths. Also may be used to <b>relocate a rail line causing access and safety issues in a disadvantaged community</b> ; such relocation can be part of a broader project that also improves passenger rail service. NOFO anticipated in June.
RAISE (OST)	\$7.5 billion	RAISE <b>waives the 20% local match requirement for projects, including intercity rail projects, that benefit disadvantaged communities</b> as defined by federal law. Research has found that low-income workers are more likely to face commutes of over 50 miles, meaning improved intercity passenger rail connections can be of significant benefit to their communities. Deadline for NOFO submission was April 14.
Pilot Program for Transit-Oriented Development (FTA)	\$69 million	<b>Planning-focused FTA program for TOD associated with new investments in fixed-guideway transit</b> , modestly expanded by IIJA. Can further TOD projects at intercity rail stations with regional rail transit or BRT connections that are being constructed or improved. NOFO anticipated in May.
Tribal transportation programs	Multiple programs	IIJA includes several programs for tribal transportation, usable for projects including rail and connecting bus service. The <b>Nationally Significant Federal Lands and Tribal Project Program</b> , for capital construction and rehabilitation projects only, will come out in May. States and localities are eligible for this program if sponsored by a tribe.





# Recap and Action Items



- Complete Doodle Poll
- Fill out survey for equity related challenges





A word cloud of "thank you" in various languages and scripts. The central and largest text is "thank you" in red. Other prominent words include "danke" (blue), "gracias" (green), "merci" (orange), "teşekkür ederim" (pink), "dank je" (green), "sukriya" (purple), "arigatō" (pink), "terima kasih" (yellow), "ngiyabonga" (red), "tapadh leat" (orange), "mochchakkeram" (blue), "maith agat" (purple), "sagolun" (blue), "dziękuję" (pink), "obrigado" (green), "bedankt" (yellow), "spasibo" (red), "rahmat" (red), "xinxiexie" (red), "ευχαριστώ" (blue), "dank" (green), "merci" (orange), "arigato" (pink), "terima kasih" (yellow), "ngiyabonga" (red), "tapadh leat" (orange), "mochchakkeram" (blue), "maith agat" (purple), "sagolun" (blue), "dziękuję" (pink), "obrigado" (green), "bedankt" (yellow), "spasibo" (red), "rahmat" (red), "xinxiexie" (red), "ευχαριστώ" (blue).