

METRA'S ZERO-EMISSION TRAINSETS

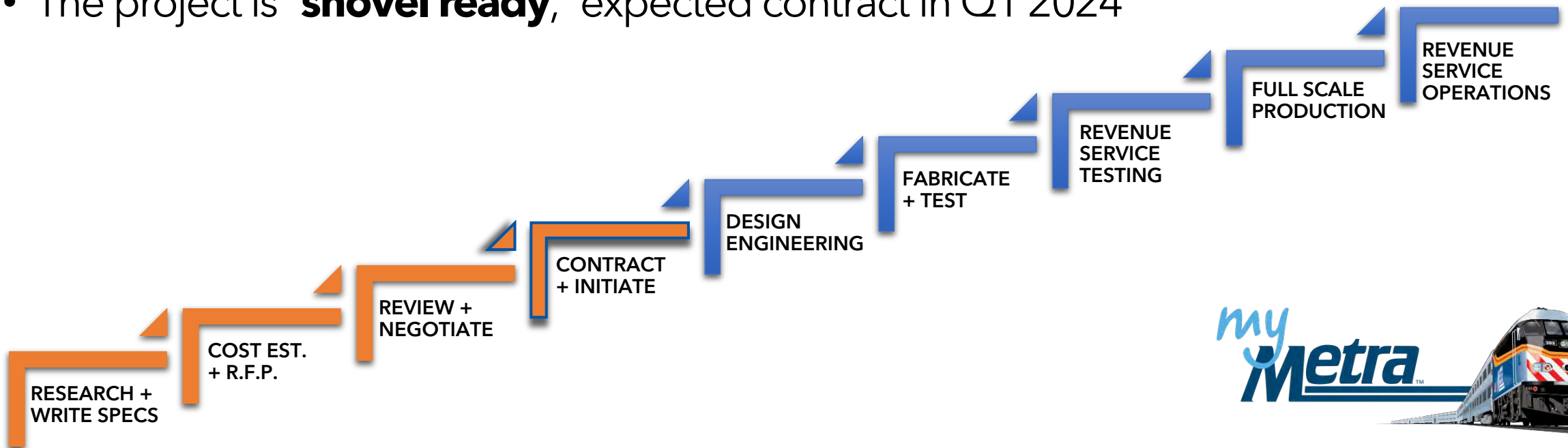
Overview of Metra's application to EPA's Climate Pollution Reduction Grant (CPRG) Program

1.16.2024



METRA'S ZERO-EMISSION TRAINSET PROGRAM

- Metra seeks to be the first U.S. passenger rail operator to put battery-powered, zero-emission trainsets into service.
- Metra will test the performance of the emerging technology as it applied to our system and in Chicago's weather extremes
 - This innovative program may prove to be replicable & "scaled up" by commuter rail transit agencies
- The project is "**shovel ready**," expected contract in Q1 2024



PROJECT FUNDING + PHASES

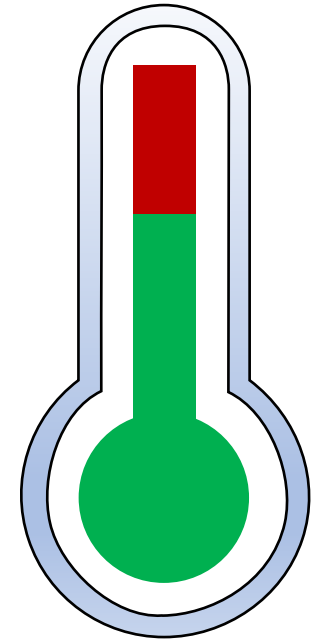
Phase 2: \$120M Funding Gap for:

8 x Charging Locations
32 x Trailer Cars

Phase 1: \$230M Total Funding

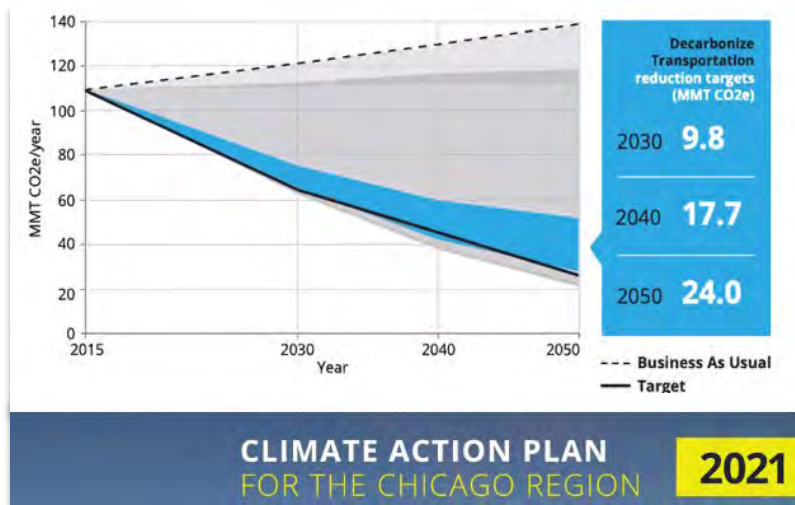
16 x Zero-Emission Trainsets
Will replace 16 x diesel locomotives built in 1970s

Metra's Zero Emission Trainset Program



DECARBONIZE TRANSPORTATION

- Advances **MMC's Climate Action Plan** goal to **Decarbonize Transportation** and numerous goals of the EPA's CPRG program:



- Grows the Metra fleet, enables additional scheduled trains
 - Transit's greatest ability to 'Decarbonize Transportation' is by inducing ridership, decreasing personal car trips
- Directly eliminates "tailpipe" emissions
 - Reduces carbon output as charging on Northern Illinois' power grid is cleaner than burning diesel fuel

TARGETING EPA'S UNIQUE CPRG PROGRAM

DISCRETIONARY GRANT PROGRAMS	MILESTONES
Congestion Mitigation & Air Quality (CMAQ)	<ul style="list-style-type: none"> • Maximum Grants Secured: Metra's grant selection for FY27/28 secured funding for all 16 motive/powered units; <u>trailer cars are not eligible</u>
Diesel Emissions Reduction Act (DERA)	<ul style="list-style-type: none"> • Insufficient Maximum Grant Award: DERA offers up to \$6M per application • Challenging Requirements: Intent of DERA is to fund projects that retire diesel emissions; <u>trailer cars are not eligible</u>
Rail Vehicle Replacement (RVR)	<ul style="list-style-type: none"> • Metra is Applying for New Railcars (Alstom contract), given 371 push/pull trailer cars that are beyond the 'useful life' period of 42 years • Doesn't grow the fleet: RVR requires retiring railcars on a 1:1 seat basis
Rebuilding American Infrastructure with Sustainability and Equity (RAISE)	<ul style="list-style-type: none"> • Insufficient Maximum Grant Award: RAISE offers up to \$25M per application • Challenging Requirements: RAISE program requirements a Benefit Cost Analysis, awards points for projects in disadvantaged communities
Consolidated Rail Infrastructure and Safety Improvements (CRISI)	<ul style="list-style-type: none"> • Metra is Applying for Rock Island Intercity Improvements: Historic funding levels are available to support Metra's effort to rebuild the Rock Island Line corridor and allow Amtrak to move onto Metra's right of way

UNLOCKING THE FULL POTENTIAL OF THE TRAINSETS

- CPRG funding for **32 trailer cars**, and **8 charging locations**
 - Allows greater scheduling capabilities, add new fleet into peak periods
- Expand from RI Line to **3 additional line segments**:
 - **MWD**: between CUS and Franklin Park (potentially O'Hare)
 - **MDN**: between Lake Forest and Fox Lake
 - **UPN**: between OTC and Winnetka



8 x Coupled Trainsets

Motive/Powered Units



32 x Trailer Cars

Insert 4+ Trailers between
Motive/Powered Units

METRA'S REQUEST TO MMC & REGIONAL PARTNERS

- Have the MMC's updated Climate Action Plan specifically mention Metra's Zero-Emission Trainset program
- Provide and help collect letters of support for Metra's project
- Continued support via any other channels of communication to spread the word

QUESTIONS?





CONTACT

Support Letters & General Topics

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Metra's Application to EPA's CPRG Opportunity

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