



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

AGENDA: 5

***Charge!* Program**

**Mobile Source and Climate Impacts
Committee Meeting
May 26, 2022**

**Ada Truong
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Presentation Outcome



- Provide an update on electric vehicle (EV) charging infrastructure in the region.
- Provide an update on the 2022 *Charge!* Program and new recommended projects.
- Request Committee approval to forward the recommended projects to the full Board of Directors for approval.

Presentation Outline



- Bay Area EV charging network
- *Charge!* Program Overview
 - Fiscal Year Ending (FYE) 2022 solicitation
 - Scoring process
 - Project recommendations
- Other light-duty EV infrastructure programs in the region
- Recommendations

Presentation Requested Action



Committee to consider recommending the Board of Directors:

1. Approve the *Charge!* Program rank list and recommended projects with proposed grant awards as shown in Attachment 1; and
2. Authorize the Interim Executive Officer/APCO to enter into all necessary agreements with applicants for recommended projects.

BAY AREA



ELECTRIC VEHICLE TRENDS AND GOALS



11,917 public charging ports currently

30,000 public charging ports needed (NREL)

In 2021, 5% of the Bay Area fleet were EVs, with a goal of 90% by 2050

In 2022 16.3% of new sales in CA were EVs



Public charging ports

16% DC Fast

83% Level 2

1% Level 1



Progress towards our EV Adoption Goals

2022: 383,348



2015: 71,672



2030: 1.5 million

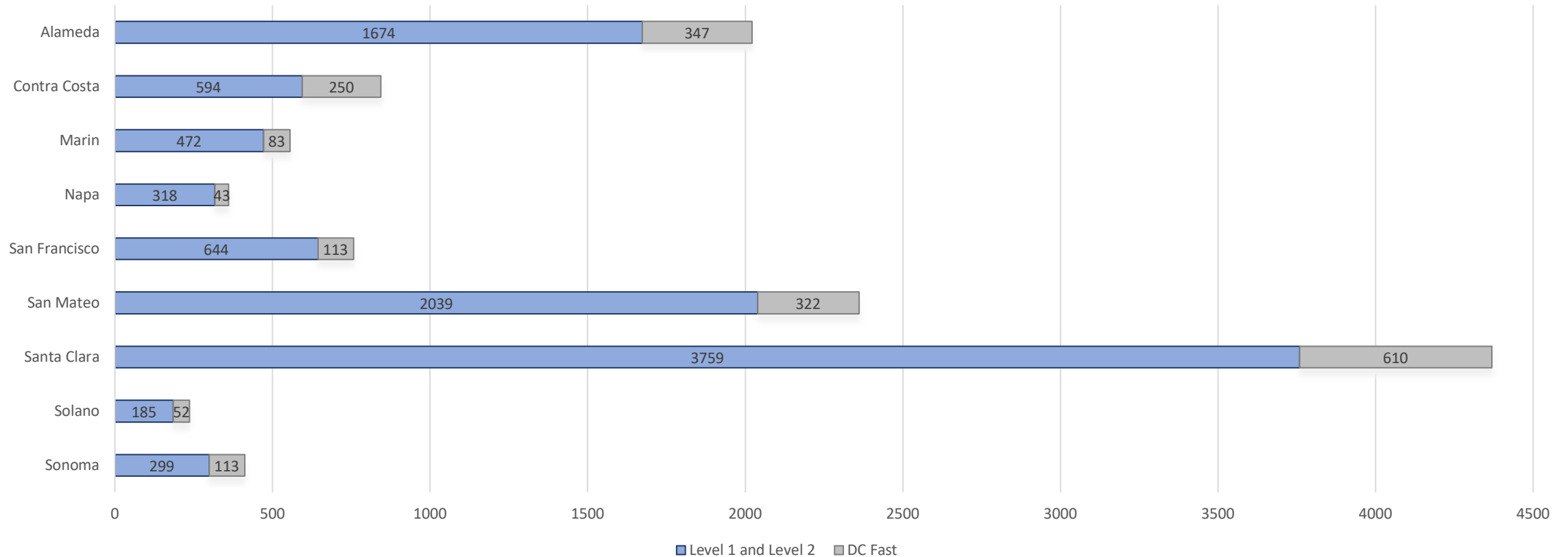


2050: ~5 million

Existing Bay Area EV Infrastructure (cont.)



ELECTRIC VEHICLE CHARGING PORTS BY COUNTY



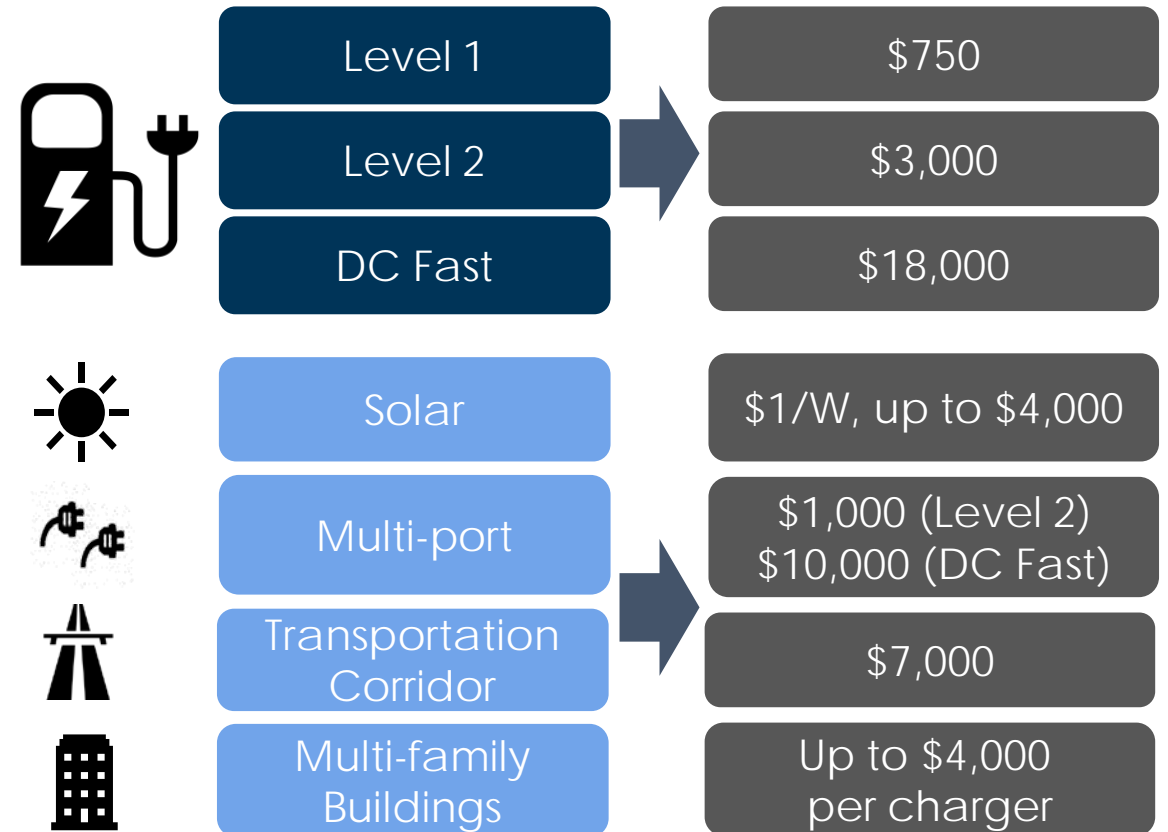
- Total EV charging ports as of April 2022: ~11,917
 - Source: U.S. Department of Energy's [Alternative Fuels Data Center](#)



Program Overview



- Since 2016, the *Charge!* Program has provided grant funding for publicly accessible EV charging in the Bay Area.
- Open to public agencies and private businesses.
- Charging location types:
 - Destination
 - Multi-family buildings
 - Transit parking
 - Transportation corridors
 - Workplace





FYE2022 Solicitation



- \$7M available for the FYE2022 *Charge!* Program solicitation.
 - Projects that meet all eligibility requirements may be funded with either Mobile Source Incentive Funds, Transportation Fund for Clean Air, Community Air Protection Program, Carl Moyer Program, or other funding sources.
- Solicitation period: December 7, 2021 to March 1, 2022.



FYE2022 Solicitation (cont.)



- Solicitation priorities:
 - Affordable and below market-rate housing
 - Environmental justice communities
 - Multi-family buildings
 - Regions with low EV charger density
- Competitive/ranked solicitation
 - For the FYE2022 solicitation, there are a total of 11 applications requesting ~\$3.3M in funding.
 - With additional funding remaining, we are considering 3 applications that were eligible for funding in the FYE2021 solicitation.



Application Scoring



- Scoring panel consisted of two staff members from the Technology Implementation Office.

Evaluation criteria	Point Value
Project details & implementation plan	25
Project benefits	25
Priorities	10
Readiness	15
Qualifications	10
Budget	10
Application completeness	5
Total Points Possible	100



FYE2022 Program Rank List



Rank	Applicant	Score	Proposed Grant Award	
1	The Shores at Marina Bay Community Association	92.00	\$	48,000.00
2	45th Street Artists Cooperative	87.00	\$	28,000.00
3	EV Charging Solutions, Inc	86.50	\$	320,000.00
4	Casa Del Valle Condominiums	85.75	\$	16,000.00
5	Clocktower Lofts Homeowners Association	82.75	\$	60,000.00
6	EVgo Services LLC	82.63	\$	1,040,000.00
7	City of Calistoga	82.25	\$	11,000.00
8	ChargePoint	80.25	\$	1,498,000.00
9	Union Sanitary District	78.00	\$	103,000.00
10	City of Belmont	77.75	\$	24,000.00
11	Blink Network LLC	77.50	\$	112,000.00



FYE2022 Program Rank List (cont.)



Rank	Applicant	Score	Proposed Grant Award	
12	EVgo Services LLC*	86.01	\$	1,470,000.00
13	PowerFlex Systems, Inc.*	85.84	\$	3,000,000.00
14	University Terrace Berkeley Homeowners Association*	81.51	\$	53,086.00

*Eligible FYE2021 *Charge!* Program projects



FYE2022 Program Summary



- There are 14 eligible projects requesting \$7,783,086 to install 1,292 charging ports at 77 facilities.
- Fund projects in the rank list order based on funding eligibility and availability.

Charging Port Types

- Level 2 : 1,084
- DC Fast: 208

Facility Types

- Destination: 7
- Multi-family buildings: 21
- Transportation Corridor: 33
- Workplace: 16

Other Incentives for EV Charging



- In the Bay Area, there are several incentive and rebate programs from Community Choice Aggregators, public agencies, utilities, and other organizations to expand EV charging access, including:

- CEC/CALeVIP
- Electrify America
- Marin Clean Energy
- PG&E
- Silicon Valley Power
- Sonoma Clean Power
- Volkswagen Environmental Mitigation Trust



Requested Action



Committee to consider recommending to the Board of Directors:

1. Approve the *Charge!* Program rank list and recommended projects with proposed grant awards as shown in Attachment 1; and
2. Authorize the Interim Executive Officer/APCO to enter into all necessary agreements with applicants for the recommended projects.

Projects and Contracts with Proposed Awards over \$500,000



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Mobile Source and Climate Impacts
Committee Meeting
May 26, 2022

Adam Shapiro, Acting Air Quality Manager
Strategic Incentives Division
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Presentation Outcome



Action item *for the Committee to consider recommending the Board of Directors:*

1. Approve recommended projects with proposed grant awards over \$500,000 as shown in Attachment 1; and
2. Authorize the Interim Executive Officer/APCO to enter into all necessary agreements with applicants for the recommended projects.

Presentation Outline



- Background
- Proposed projects with awards over \$500,000
- Status of incentive funding
 - Revenue sources
 - Community benefits & project locations
- Recommendations

CMP/MSIF, CAPP, and FARMER



Carl Moyer
Program
(CMP)

Funding Agricultural
Replacement Measures
for Emission
Reductions **(FARMER)**

Community Air
Protection Program
(CAPP)

Mobile Source
Incentive
Fund
(MSIF)

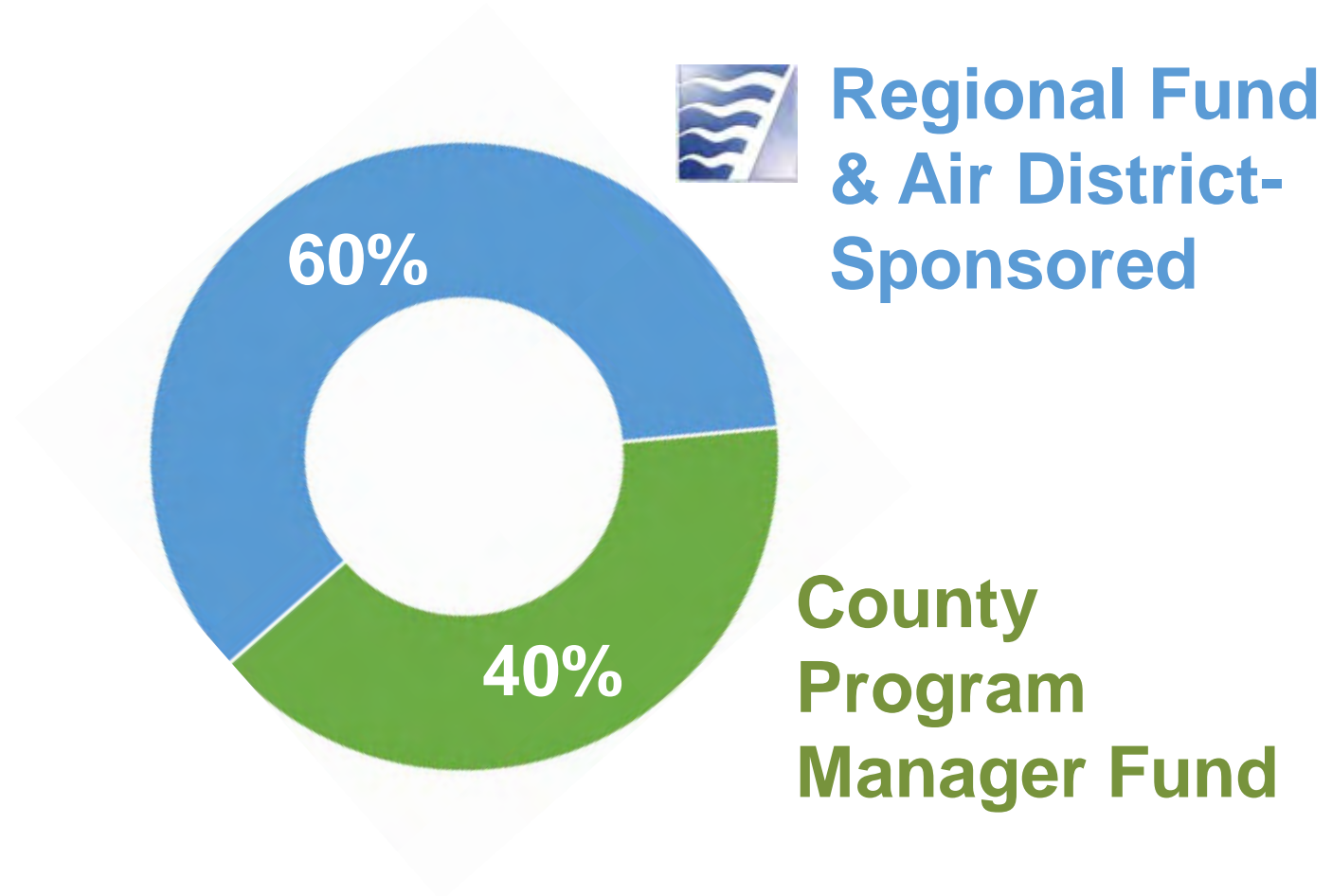
California Air Resources Board
\$34 million

DMV Fees
\$12 million

Transportation Fund for Clean Air (TFCA)



- Statutory authority set forth in California Health and Safety Code Sections 44241 and 44242
- Funding provided by a \$4 surcharge on motor vehicles



CMP/MSIF, CAPP, FARMER, and TFCA



Recommend \$1,050,300 in awards for one project replacing:

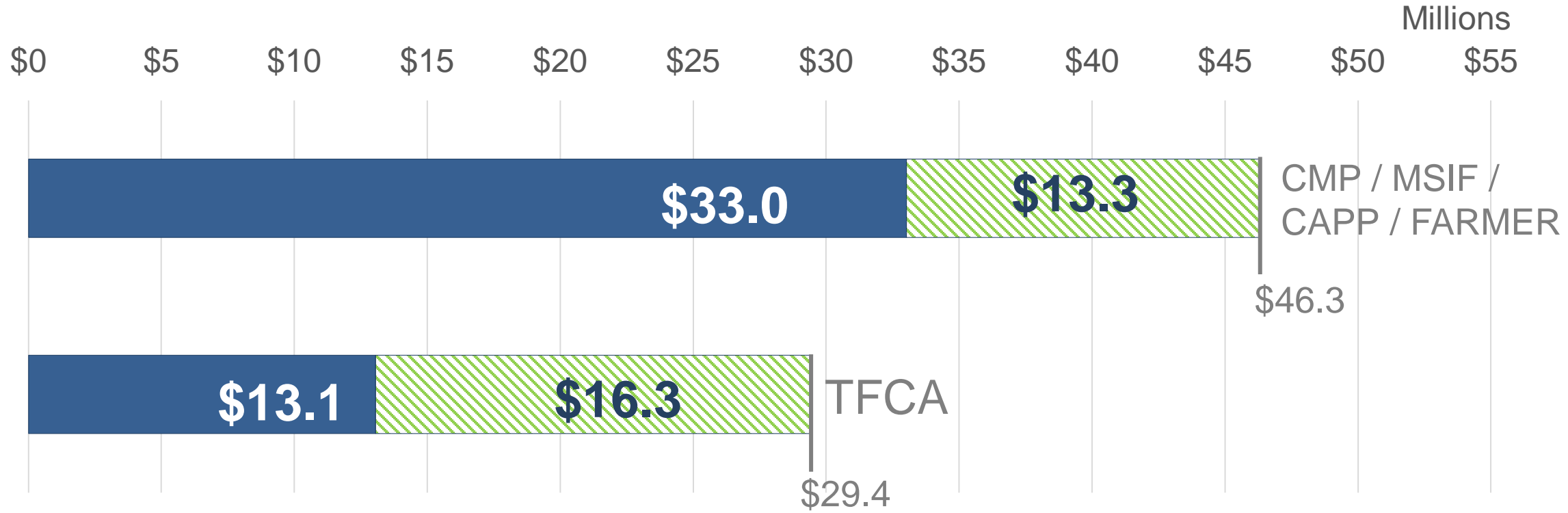
- 10 diesel agricultural tractors

Emissions Reductions

- Over **3.8** tons per year of criteria pollutants



Incentive Funding Awarded & Recommended Since July 2021 by Revenue Source (in \$millions)



Updated as of 3/30/2022

Previously Awarded
 Available

Funds Awarded & Recommended Since July 2021 by Project Category (in Millions)



Total = \$44M

List of projects is shown in Attachments 2 & 3



**Light-duty
Infrastructure
and Cars**

**Trucks &
Buses**

**School
Buses**

**Off-road
Equipment**

**Marine
& Rail**

**Trip
Reduction**

\$7.4

\$4.6

\$18.9

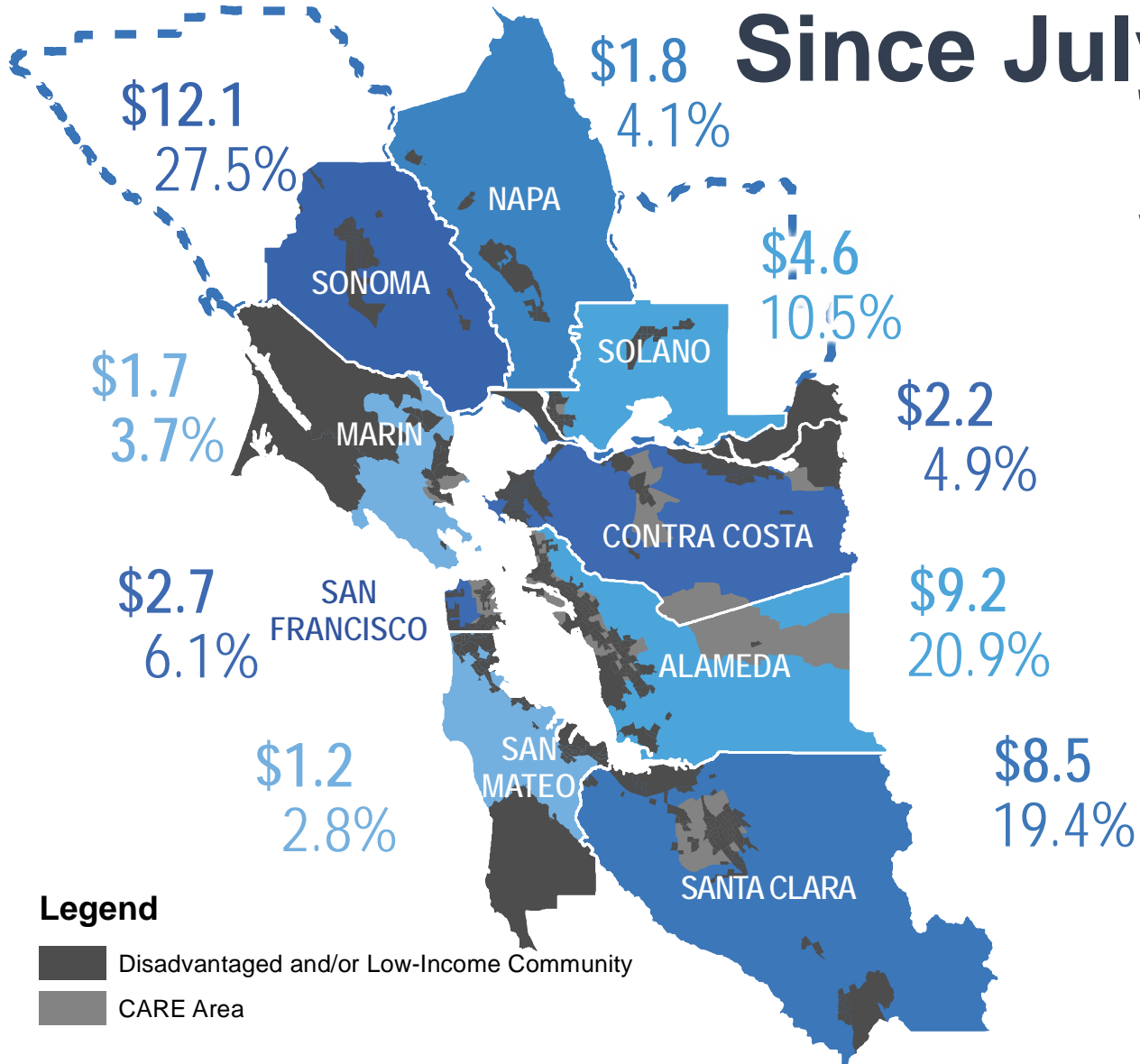
\$5.1

\$7.4

\$2.5

Updated as of 3/30/2022

Funds Awarded & Recommended Since July 2021 (in Millions)



\$44M total awarded*

* includes ~\$2M in regional grants not attributed to counties



> 85% to CARE areas, disadvantaged and low-income communities, and low-income residents

Updated as of 3/30/2022

Actions Requested



Committee to consider recommending the Board of Directors:

1. Approve recommended projects with proposed grant awards over \$500,000 as shown in Attachment 1; and
2. Authorize the Interim Executive Officer/APCO to enter into all necessary agreements with applicants for the recommended projects.



BAY AREA
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AGENDA: 7

Updates to the Vehicle Buy Back Program

**Mobile Source and Climate Impacts
Committee Meeting
May 26, 2022**

**Minda Berbeco, PhD
Manager, Strategic Incentives Division
mberbeco@baaqmd.gov**

Presentation Outcome



Action item for the Committee to consider recommending the Board of Directors:

1. Approve the allocation of up to an additional \$5.8 million in incentive revenue from Mobile Source Incentive Fund and/or Transportation Fund for Clean Air monies to cover the cost of increased program participation; and
2. Authorize the Interim Executive Officer/APCO to execute amendments that increase the contract amounts in Fiscal Year Endings (FYE) 2023 and 2024:
 - a) With vehicle dismantlers Environmental Engineering Services and Pick-n-Pull by an additional \$5 million annually; and
 - b) With Direct Mail Services by an additional \$800,000 annually.

Presentation Outline



- Background on the Vehicle Buy Back Program (VBB)
- Planned changes to program
- Recommendations

Background



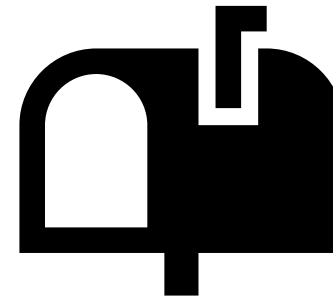
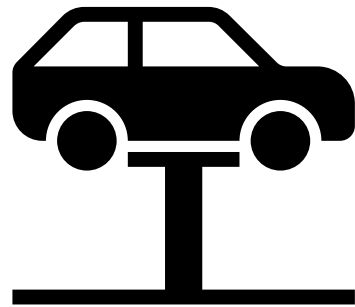
- Program was launched in 1996 and since 2008, scrapped over 55,000 vehicles.
- Currently the program pays Bay Area registered car owners \$1,200 to early retire 1997 and older cars.

Background (cont.)

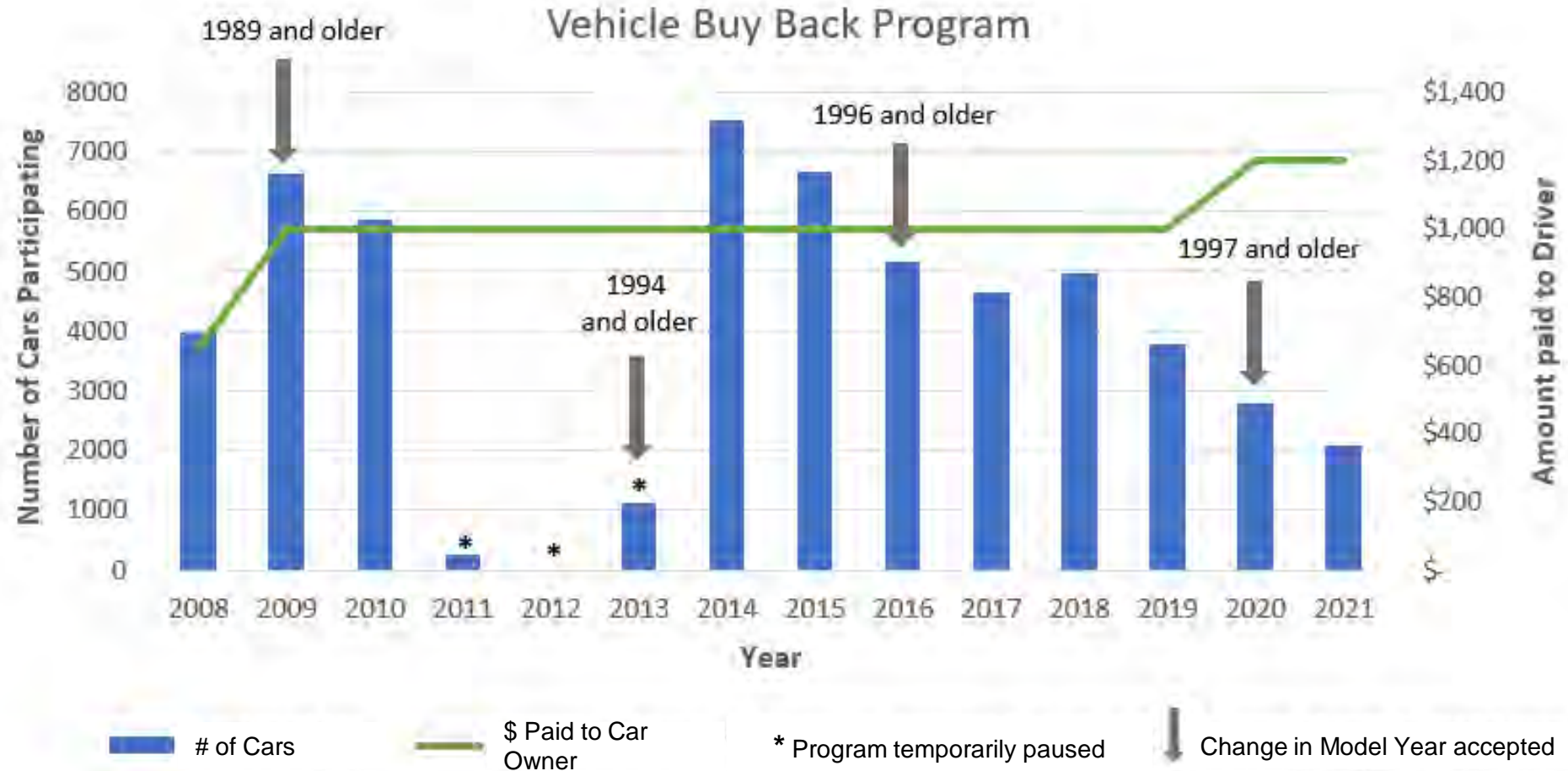


Approved contractor vendors:

- Direct Mail Services: Notify potential participants in advance of their Smog Check through direct mail.
- Dismantlers: Check eligibility requirements, scrap eligible vehicles, and are paid up to \$100 for each car accepted.



Number of Cars Early Retired Through the VBB Program by Year



Decline in Participation



- Economic factors:
 - Cost inflation for used and new vehicles
 - Owners retaining their cars for a longer duration during the pandemic.
- To address decline, 2021 TV and radio media campaign in both Spanish and English.

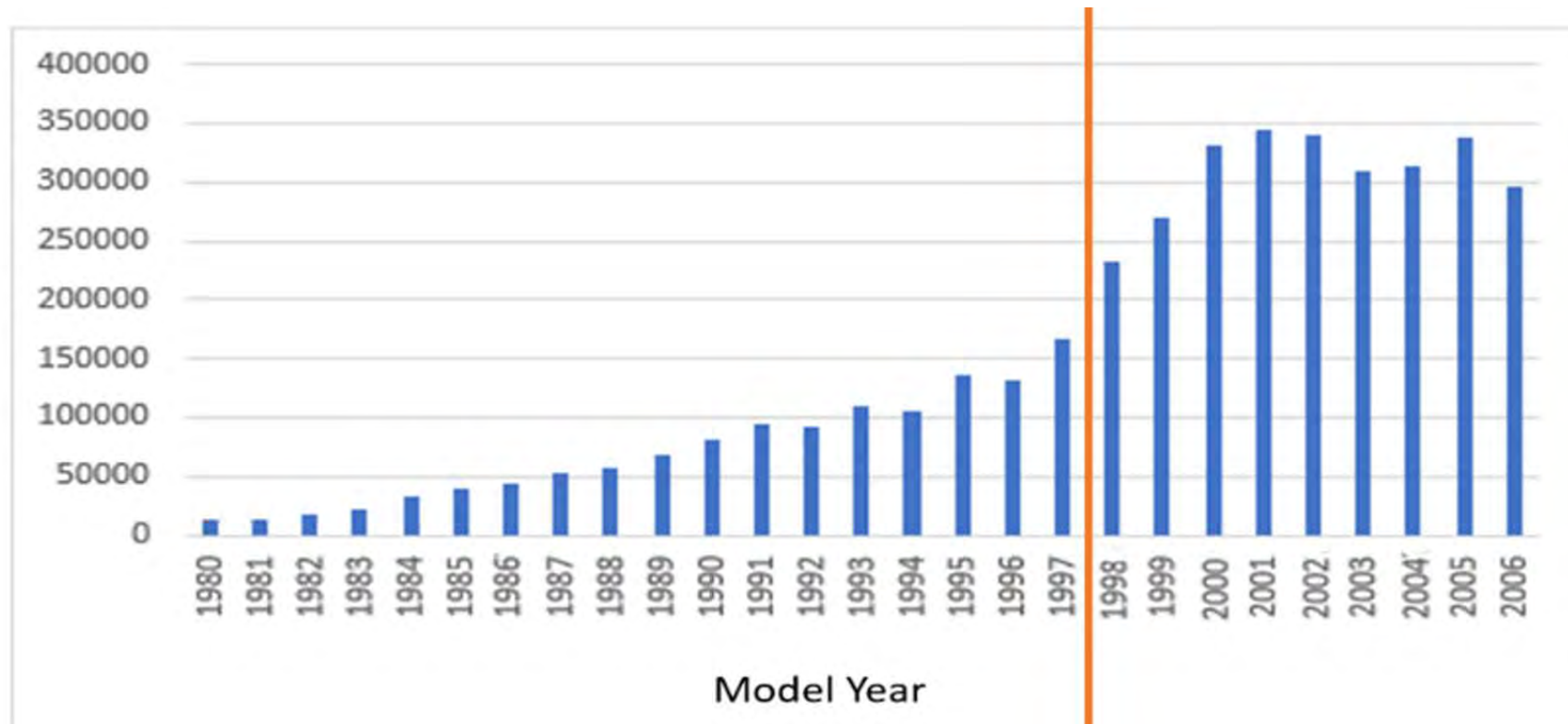


Inventory of Vehicles

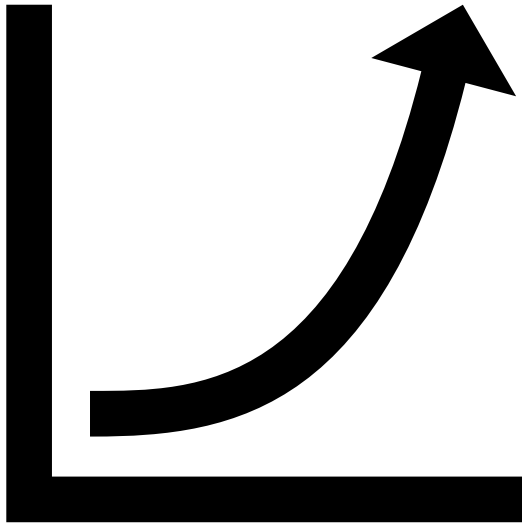


- A reduction of the availability of 1997 and older cars.

Inventory of registered Bay Area cars by Model Year



Ideas for Expanding Program Participation



- Increase model year to 1998
- Additional outreach
- Advocating for updates to Carl Moyer Chapter 8 policy

Actions Requested



Action item for the Committee to consider recommending the Board of Directors:

1. Approve the allocation of up to an additional \$5.8 million in incentive revenue from Mobile Source Incentive Fund and/or Transportation Fund for Clean Air monies to cover the cost of increased program participation; and
2. Authorize the Interim Executive Officer/APCO to execute amendments that increase the contract amounts in Fiscal Year Ending (FYE) 2023 and 2024:
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