

GLOBAL X

by Mirae Asset

# November 2022 Survey

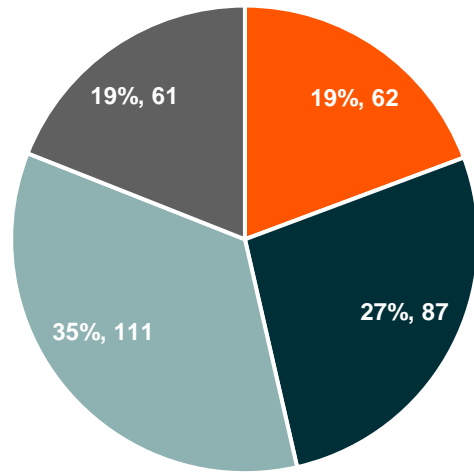
Electric Vehicles and the Everyday Consumer

—  
Q4 2022

## Survey: Age, Region, Lifestyle Demographics

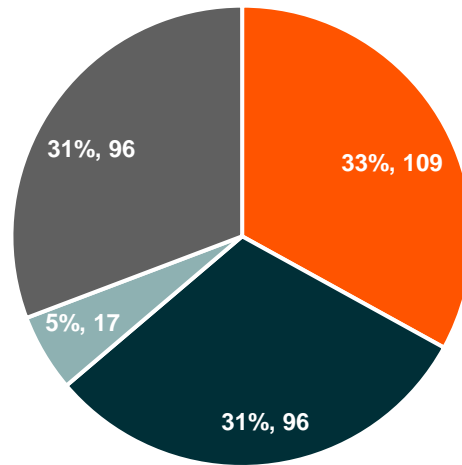
In November 2022, Global X Research surveyed 321 individuals in the United States regarding their history with and interest in electric vehicles (EVs). We also gathered insights regarding their views on global implications of EVs and the opportunities/hurdles in obtaining them.

RESPONDENTS BY AGE (% , #)



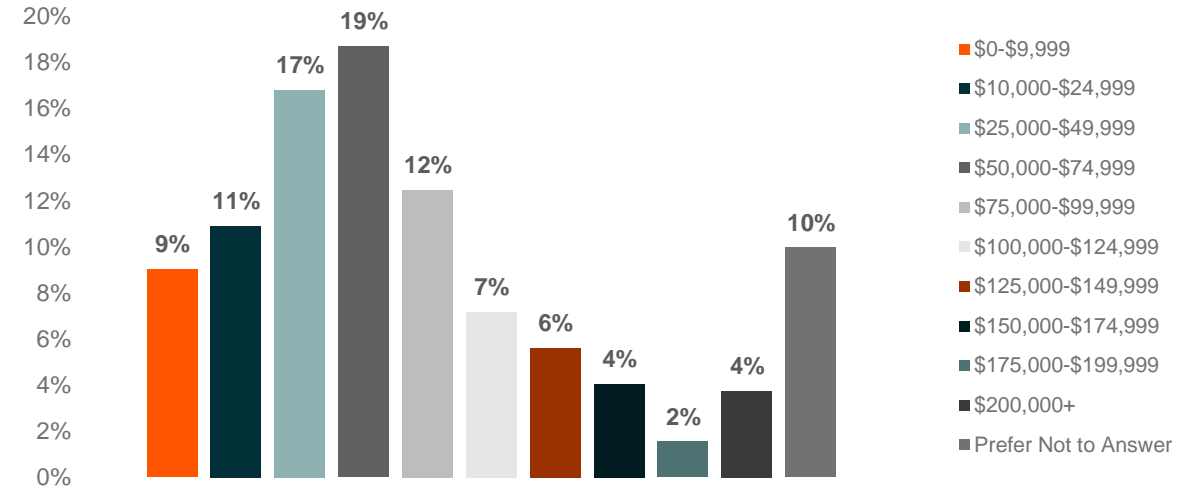
■ Ages 18-29 ■ Ages 30-44 ■ Ages 45-60 ■ Age 60+

RESPONDENTS BY REGION (% , #)



■ Northeast ■ South ■ Midwest ■ West

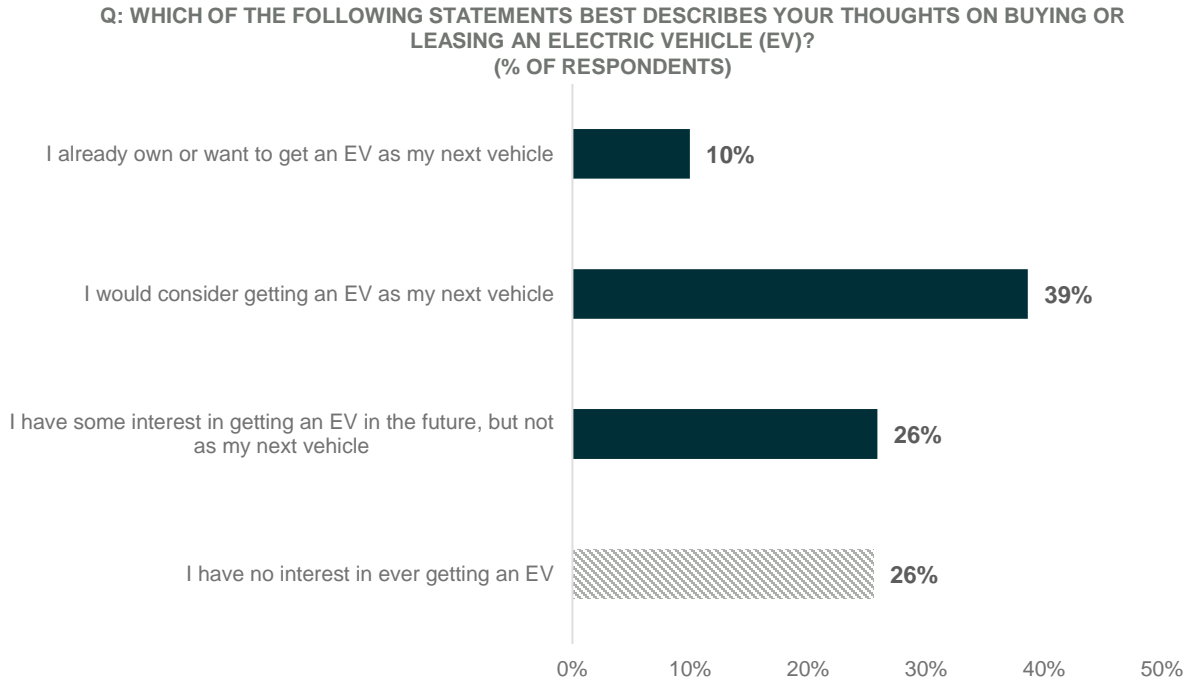
RESPONDENT HOUSEHOLD INCOME (%)



Source: Global X, November 2022.

## Majority of Americans Are Open to Purchasing EVs, Over Half Already Know Someone With One

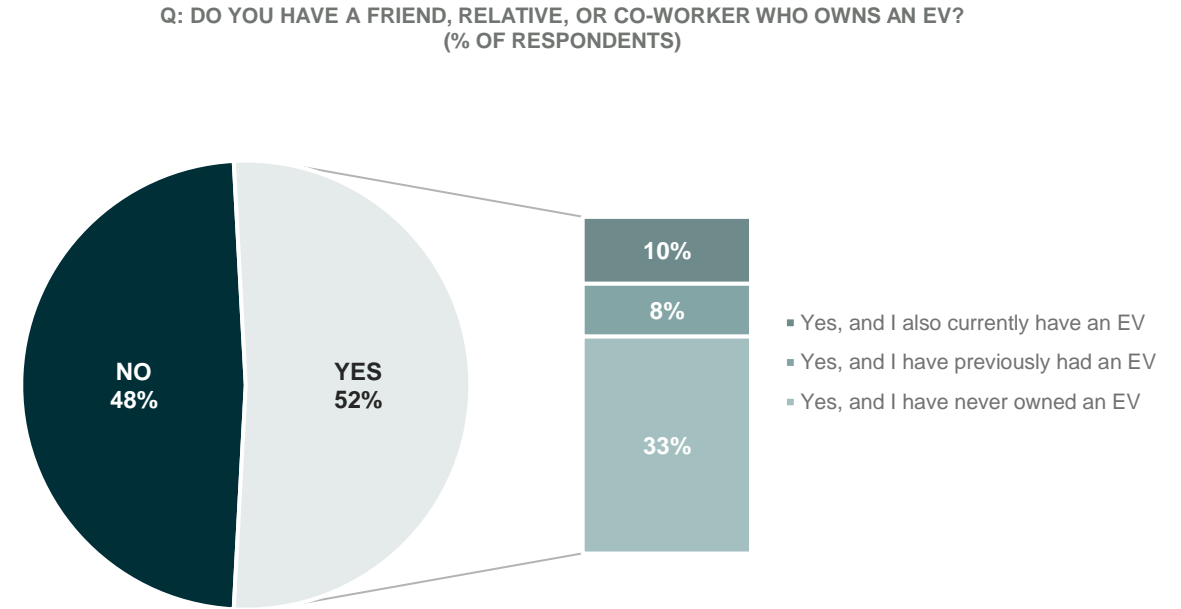
### NEARLY 75% OF SURVEYED INDIVIDUALS WOULD CONSIDER PURCHASING OR HAVE PURCHASED AN EV



Note: N = 321  
Source: Global X, November 2022.



### OVER HALF OF RESPONDENTS KNOW SOMEONE WHO CURRENTLY OWNS AN EV



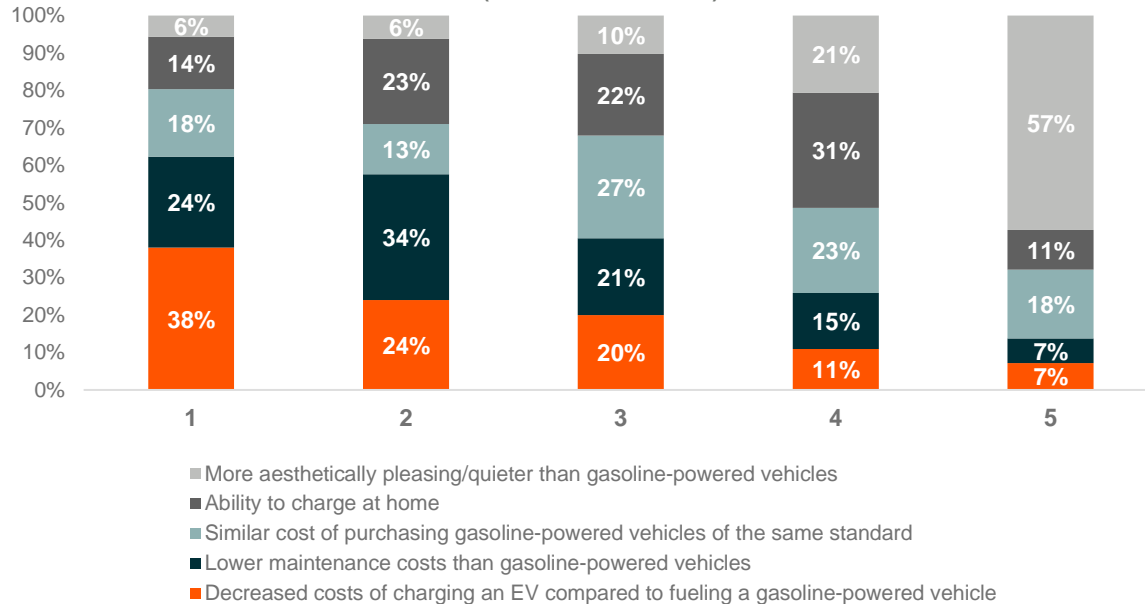
Note: N = 321  
Source: Global X, November 2022.



## Survey Respondents Largely Value the Charging Benefits of EVs Relative to Internal Combustion Engine Vehicles

### RESPONDENTS MOST VALUE THE LOWER OPERATING COSTS ASSOCIATED WITH EVS VERSUS GASOLINE-POWERED VEHICLES

Q: WHICH OF THESE ATTRIBUTES WOULD MOST ENCOURAGE YOU TO PURCHASE AN EV? RANK FROM MOST TO LEAST ENCOURAGING, WITH 1 BEING MOST AND 5 BEING LEAST. (% OF RESPONDENTS)

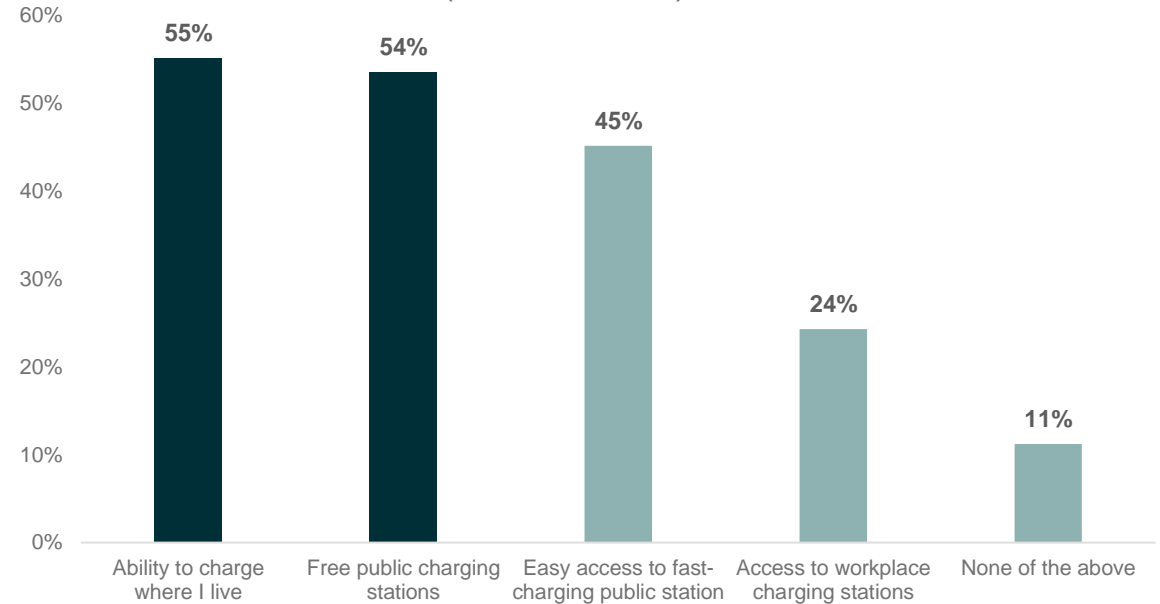


Note: N = 321  
Source: Global X, November 2022.



### THE TOP TWO CHARGING OPTIONS RESPONDENTS LOOK FOR ARE ABILITY TO CHARGE WHERE THEY LIVE AND FREE PUBLIC CHARGING

Q: WHICH TWO, IF ANY, OF THE FOLLOWING CHARGING OPTIONS WOULD MOST ENCOURAGE YOU TO BUY OR LEASE AN EV? (% OF RESPONDENTS)



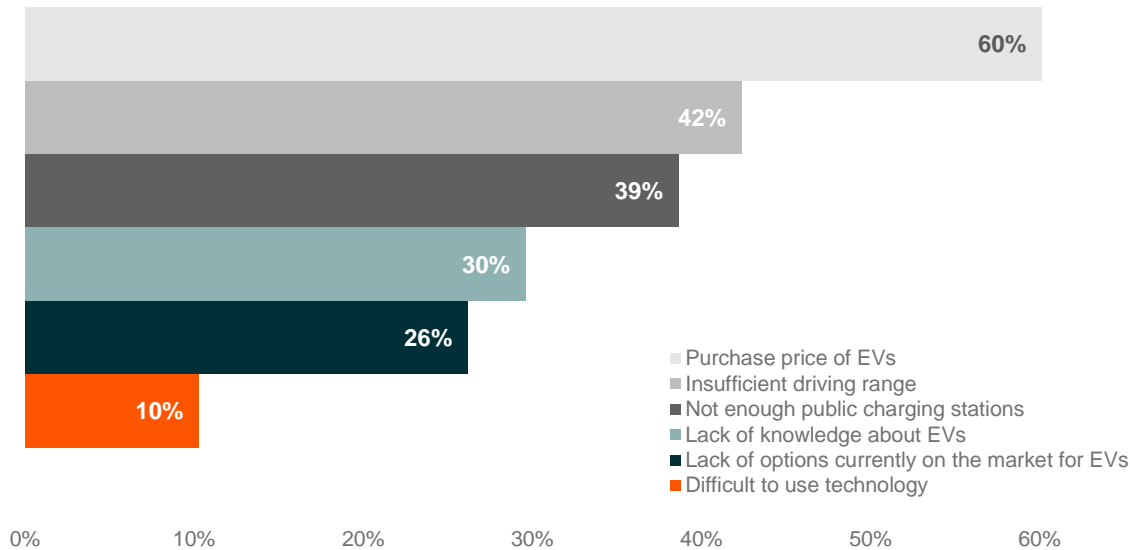
Note: N = 321  
Source: Global X, November 2022.



## There is Some Shared Concern About the Purchase Price of EVs, But Many Were Unaware of EV Incentives

### 60% OF SURVEYED CONSUMERS FEEL THE PURCHASE PRICE OF EVS IS THE GREATEST DRAWBACK TO PURCHASING/LEASING AN EV

Q: WHICH OF THE FOLLOWING ATTRIBUTES, IF ANY, ARE HOLDING YOU BACK FROM PURCHASING OR LEASING AN ELECTRIC VEHICLE AS YOUR NEXT VEHICLE? CHECK ALL THAT APPLY. (% OF RESPONDENTS)

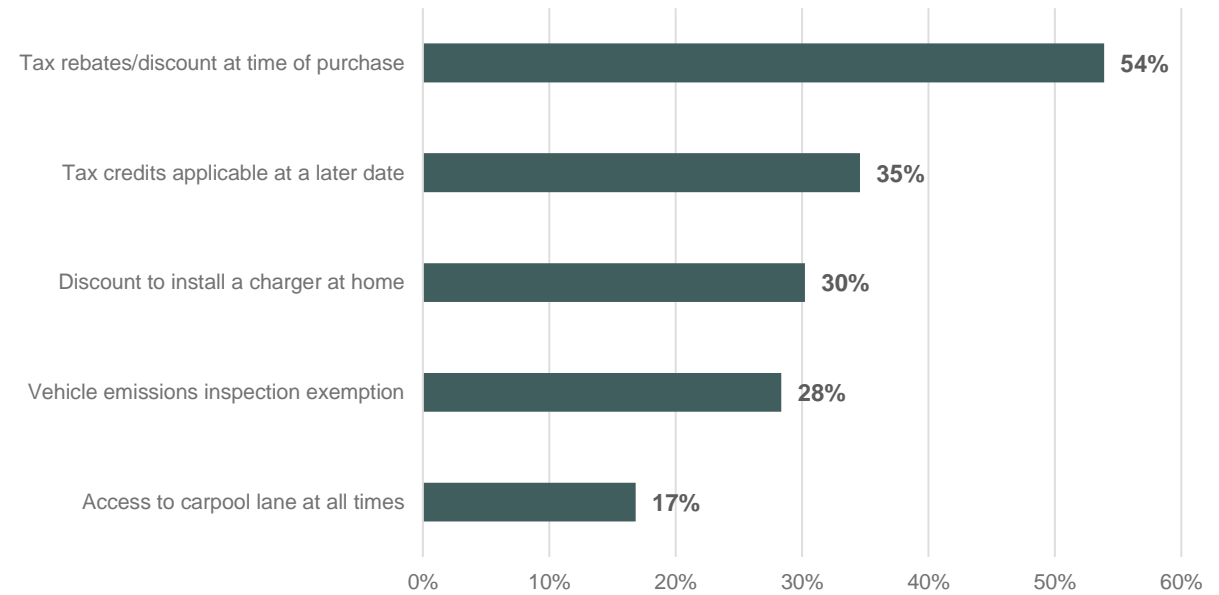


Note: N = 321  
Source: Global X, November 2022.



### NEARLY 50% OF RESPONDENTS HAVE NO KNOWLEDGE OF MANY OF THE POPULAR EV INCENTIVES WHICH CURRENTLY EXIST IN THE US

Q: WHICH OF THE FOLLOWING EV INCENTIVES HAD YOU HEARD ABOUT? CHECK ALL THAT APPLY. (% OF RESPONDENTS)



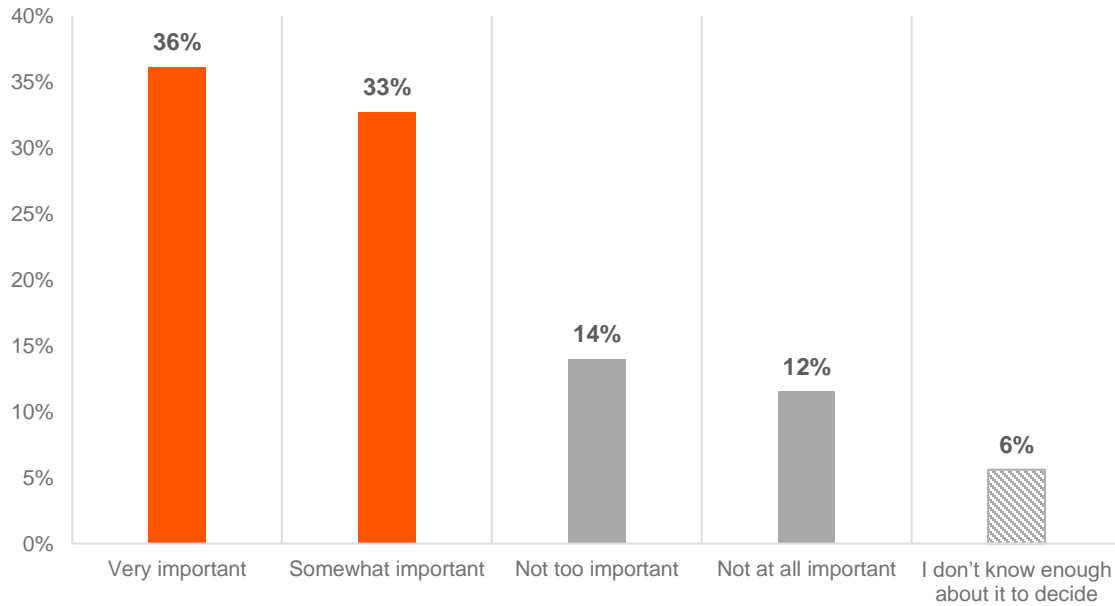
Note: N = 321  
Source: Global X, November 2022.



# Climate Change is a Primary Concern For Many Americans and a Majority Recognize Transportation Plays a Role in it

## ALMOST 70% OF RESPONDENTS FEEL THAT THE ISSUE OF CLIMATE CHANGE IS AT LEAST SOMEWHAT IMPORTANT TO THEM

Q: HOW IMPORTANT TO YOU OR NOT IMPORTANT TO YOU PERSONALLY IS THE ISSUE OF CLIMATE CHANGE? (% OF RESPONDENTS)



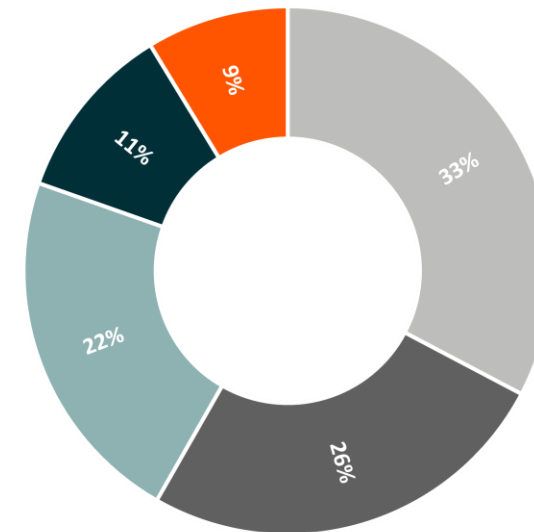
Note: N = 321  
Source: Global X, November 2022.



## TWO-THIRDS OF RESPONDENTS THINK OVER 10% OF AMERICANS RIDE PUBLIC TRANSPORTATION FOR ENVIRONMENTAL REASONS

Q: WHAT PERCENT OF AMERICANS DO YOU BELIEVE USE PUBLIC TRANSPORTATION BECAUSE IT IS 'BETTER FOR THE ENVIRONMENT'? (% OF RESPONDENTS)

40-50% 30-40% 20-30% 10-20% <10%



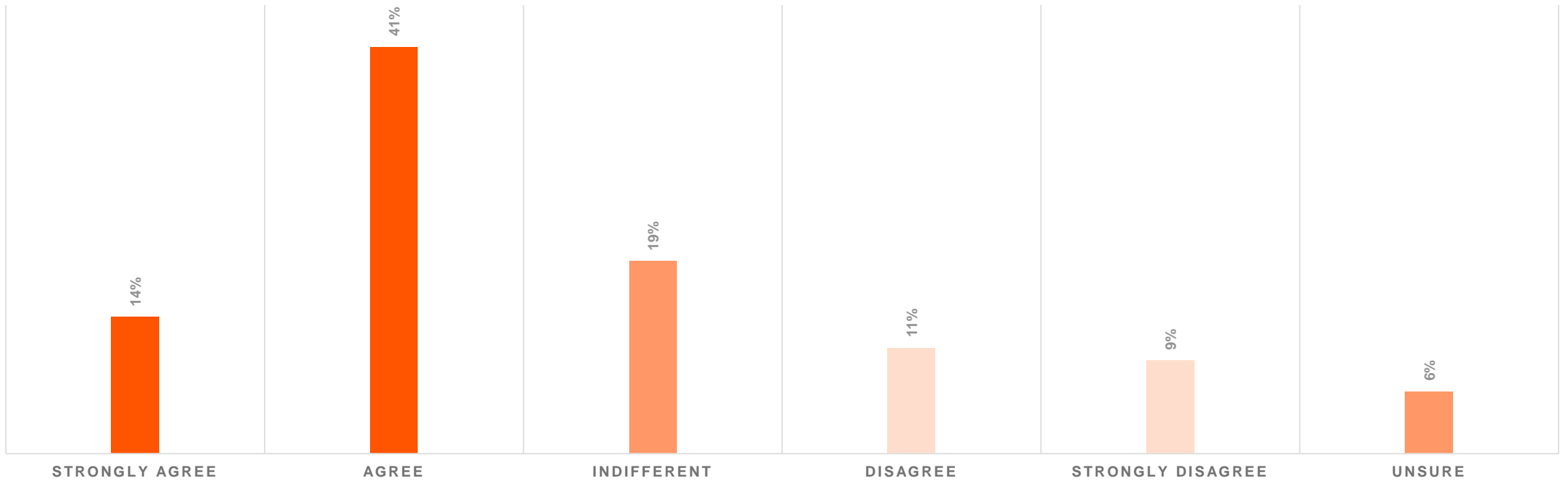
Note: N = 321  
Source: Global X, November 2022.



## Over Half of Respondents See Value in EVs for Mitigating Climate Change, a Fourth Have No Opinion

### OVER 50% OF SURVEYED INDIVIDUALS AGREE OR STRONGLY AGREE WIDESPREAD EV USE WILL HELP THE STATE OF CLIMATE/AIR POLLUTION

Q: DO YOU FEEL WIDESPREAD ELECTRIC VEHICLE USE WILL HELP REDUCE AIR/CLIMATE POLLUTION?  
(% OF RESPONDENTS)

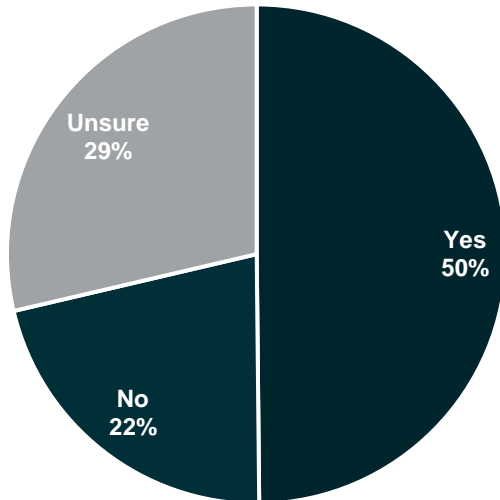


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Source: Global X, November 2022.

## Half of Respondents Think Auto Manufacturers and Government Entities Should Dedicate More Resources Towards EVs

### HALF OF RESPONDENTS FAVOR MORE TIME/RESOURCES SPENT TOWARDS EVS FROM AUTO MANUFACTURERS

Q: DO YOU BELIEVE AUTO MANUFACTURERS SHOULD INVEST MORE TIME/RESOURCES TOWARDS EV PRODUCTION?  
(% OF RESPONDENTS)

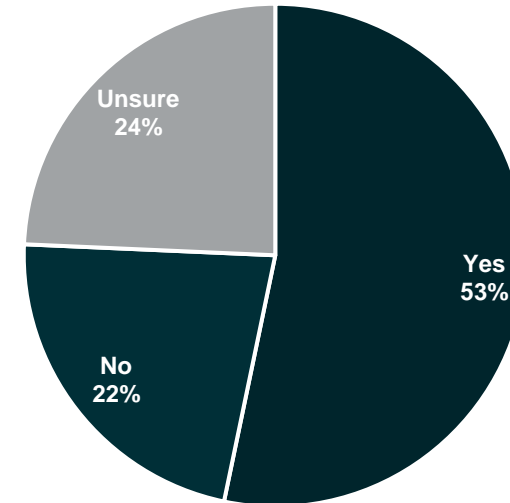


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### OVER HALF OF RESPONDENTS BELIEVE THERE SHOULD BE MORE GOVERNMENT INVOLVEMENT IN PROGRESSING THE EV INDUSTRY

Q: DO YOU BELIEVE GOVERNMENT ENTITIES SHOULD INVEST MORE IN THE EV INDUSTRY? THIS INCLUDES ENCOURAGING EV PRODUCTION, BUILDING OUT NECESSARY EV INFRASTRUCTURE, AND ADDING CONSUMER INCENTIVES.  
(% OF RESPONDENTS)



Note: N = 321  
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## Global X ETF Suite

Global X's fund suites comprise of 97 ETFs in total, spanning Thematic Growth, Income, International Access, Commodities, and Other Strategies.<sup>1</sup>

### Disruptive Technology

Social Media ETF (SOCL)

Lithium & Battery Tech ETF (LIT)

FinTech ETF (FINX)

Internet of Things ETF (SNSR)

Robotics & Artificial Intelligence ETF (BOTZ)

Autonomous & Electric Vehicles ETF (DRIV)

Artificial Intelligence & Technology ETF (AIQ)

Cloud Computing ETF (CLOU)

Video Games & Esports ETF (HERO)

Cybersecurity ETF (BUG)

Data Center REITs & Digital Infrastructure ETF (VPN)

Blockchain & Bitcoin Strategy ETF (BITS)

Blockchain ETF (BKCH)

Metaverse ETF (VR)

### People & Demographics

Millennial Consumer ETF (MILN)

Aging Population ETF (AGNG)

Health & Wellness ETF (BFIT)

E-commerce ETF (EBIZ)

Cannabis ETF (POTX)

Education ETF (EDUT)

Telemedicine & Digital Health (EDOC)

Genomics & Biotechnology ETF (GNOM)

China Biotech Innovation ETF (CHB)

Emerging Markets Internet & E-commerce ETF (EWEB)

### Physical Environment

U.S. Infrastructure Development ETF (PAVE)

Renewable Energy Producers ETF (RNRG)

CleanTech ETF (CTEC)

Clean Water ETF (AQWA)

Wind Energy ETF (WNDY)

Solar ETF (RAYS)

Hydrogen ETF (HYDR)

AgTech & Food Innovation ETF (KROP)

Disruptive Materials ETF (DMAT)

Green Building ETF (GRNR)

### Multi-Theme

Thematic Growth ETF (GXTG)

China Innovation ETF (KEJI)

### Dividend

SuperDividend ETF (SDIV)

SuperDividend U.S. ETF (DIV)

MSCI SuperDividend EAFE ETF (EFAS)

MSCI SuperDividend Emerging Markets ETF (SDEM)

SuperDividend REIT ETF (SRET)

Alternative Income ETF (ALTY)

S&P 500 Quality Dividend ETF (QDIV)

### Covered Call

Dow 30 Covered Call ETF (DJIA)

Nasdaq 100 Covered Call ETF (QYLD)

S&P 500 Covered Call ETF (XYLD)

Russell 2000 Covered Call ETF (RYLD)

Nasdaq 100 Covered Call & Growth ETF (QYLG)

S&P 500 Covered Call & Growth ETF (XYLG)

<sup>1</sup>As of November 2022

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Russell 2000 Covered Call & Growth ETF (RYLG)

### Preferreds

U.S. Preferred ETF (PFFD)

Variable Rate Preferred ETF (PFFV)

SuperIncome Preferred ETF (SPFF)

### MLPs

MLP ETF (MLPA)

MLP & Energy Infrastructure ETF (MLPX)

### Fixed Income

Emerging Markets Bond ETF (EMBD)

### Risk Managed Income

Nasdaq 100 Risk Managed Income ETF (QRMI)

S&P 500 Risk Managed Income ETF (XRMI)

### China Sector

MSCI China Energy ETF (CHIE)

MSCI China Materials ETF (CHIM)

MSCI China Industrials ETF (CHII)

MSCI China Consumer Discretionary ETF (CHIQ)

MSCI China Consumer Staples ETF (CHIS)

MSCI China Health Care ETF (CHIH)

MSCI China Financials ETF (CHIX)

MSCI China Information Technology ETF (CHIK)

MSCI China Communication Services ETF (CHIC)

MSCI China Utilities ETF (CHIU)

MSCI China Real Estate ETF (CHIR)

### Single-Country

MSCI Argentina ETF (ARGT)

DAX Germany ETF (DAX)

MSCI Greece ETF (GREK)

MSCI Colombia ETF (GXG)

MSCI Nigeria ETF (NGE)

MSCI Norway ETF (NORW)

MSCI Pakistan ETF (PAK)

MSCI Portugal ETF (PGAL)

MSCI Vietnam ETF (VNAM)

### Regional

MSCI Next Emerging & Frontier ETF (EMFM)

FTSE Southeast Asia ETF (ASEA)

### Commodities

Silver Miners ETF (SIL)

Gold Explorers ETF (GOEX)

Copper Miners ETF (COPX)

Uranium ETF (URA)

### Adaptive

Adaptive U.S. Factor ETF (AUSF)

### Sustainable Investing

Conscious Companies ETF (KRMA)

### Faith-Based

S&P 500 Catholic Values ETF (CATH)

S&P 500 Catholic Values Developed ex-U.S. ETF (CEFA)

### Risk Management

Adaptive U.S. Risk Management ETF (ONOF)

Nasdaq 100 Collar 95-110 ETF (QCLR)

<sup>1</sup>As of November 2022

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Nasdaq 100 Tail Risk ETF (QTR)

S&P 500 Collar 95-110 ETF (XCLR)

S&P 500 Tail Risk ETF (XTR)

Interest Rate Hedge ETF (IRHG)

Interest Rate Volatility & Inflation Hedge ETF (IRVH)

### Alpha

Guru Index ETF (GURU)

Founder-Run Companies ETF (BOSS)

<sup>1</sup>As of November 2022

## Risk Information

Investing involves risk. Narrowly focused investments may be subject to higher volatility. The investable universe for thematic ETFs may be limited. Technology themed investments may be subject to rapid changes in technology, intense competition, rapid obsolescence of products and services, loss of intellectual property protections, evolving industry standards and frequent new product productions, and changes in business cycles and government regulation. International investments, including emerging markets, may involve risk of capital loss from unfavorable fluctuation in currency values, from differences in generally accepted accounting principles or from social, economic or political instability in other nations.

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