

CLIMATE SMART SAN JOSE

A PEOPLE-CENTERED PLAN FOR A LOW-CARBON CITY

Town Hall
February 20, 2018

In 2015, Mayor Sam Liccardo and City Council outlined a Green Focus effort, asking staff to focus on two overarching goals of the 2007 adopted Green Vision: ensuring a more sustainable water supply and reducing GHG emissions – tied to energy and mobility.



AGENDA

1. Why we're doing this
2. Our journey to date
3. Overview of Climate Smart San José
4. How City Hall and the Community can implement Climate Smart San José
5. Q&A: live video streaming audience, email: CSSJ@sanjoseca.gov

1

WHY WE'RE DOING THIS

A LOT HAS ALREADY HAPPENED LAST YEAR: US CITIES 'SIGNING UP' TO THE PARIS AGREEMENT

Over 1,400 U.S. Cities, States and Businesses Vow to Meet Paris Climate Commitments

Climate Cities: Can Urban America Save Paris Agreement?

By Michael Dhar, Live Science Contributor | July 11, 2017 02:22pm ET

- f 0
- 0
- F
- 0
- 0
- 0
- MORE ▾



Sam Liccardo

8 August at 18:49 · 🌐

While President Trump rejects the #ParisAgreement, San Jose voted unanimously to stand by it. The City Council also voted to doing its part to fight climate change by formally establishing San Jose Clean Energy, which will bring more energy from renewable sources to San Jose homes in 2018. #climatemayors



👍 Like 💬 Comment ➦ Share

A California-led alliance of cities and states vows to keep the Paris climate accord intact

A LOT HAS ALREADY HAPPENED: SAN JOSE'S COMMUNITY CHOICE ENERGY SUCCESS

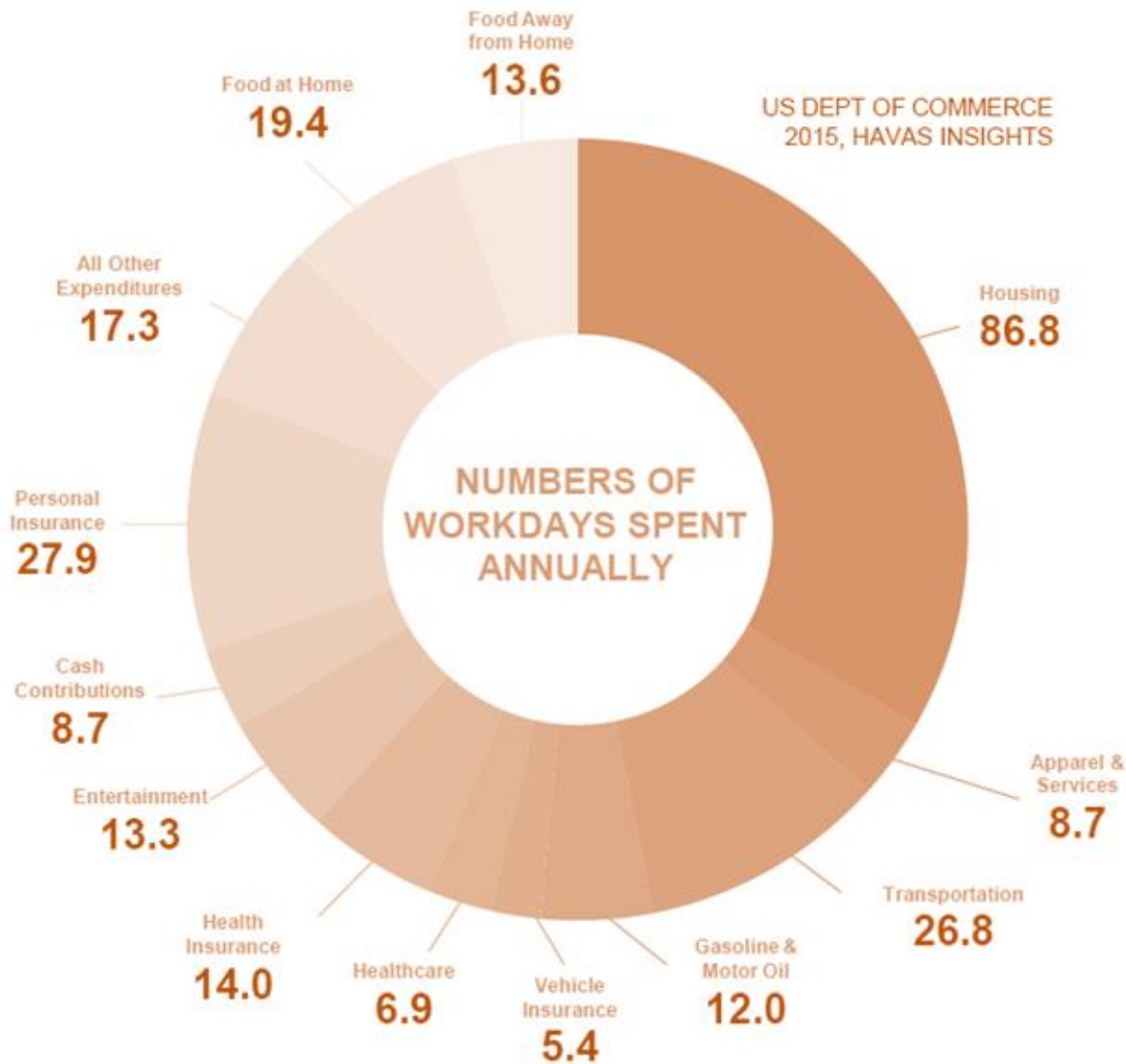


The Mercury News

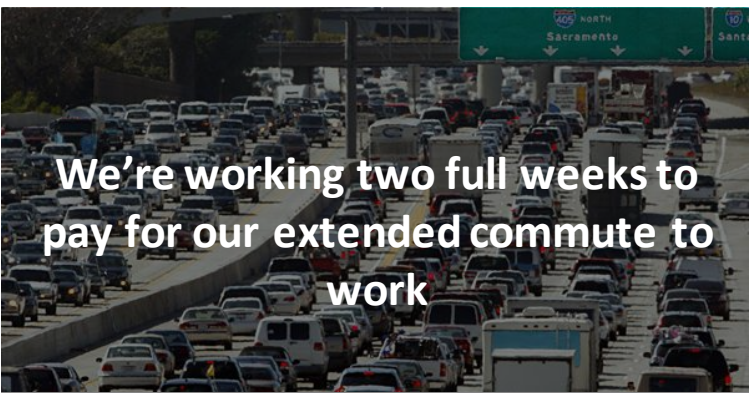
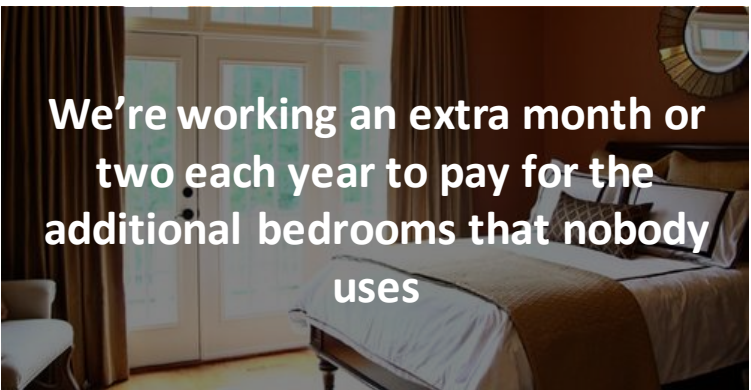
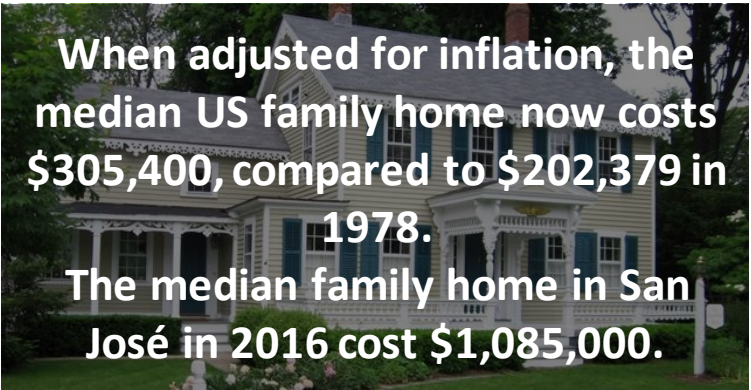
San Jose City Council approves new community choice energy plan, the largest in California

Proponents say the plan offers consumers another choice, reduces rates and reduces greenhouse gas emissions

WHAT DOES THE GOOD LIFE COST THE AVERAGE AMERICAN?



Sources: US Census Bureau, Federal Reserve Bank of St. Louis, Wall Street Journal



COMMUTING COSTS TIME, MONEY AND HAPPINESS



Sources: NPR, TomTom

9 days

a year are spent by
Americans commuting

1/3

of urban land is
devoted to parking

\$40,000

Cutting an hour from your
commute each day is the
happiness equivalent of
making an extra \$40,000 a
year if you earn \$50,000 a
year

FILTER RANK ⁱ	CITY ⁱ
1	 Los Angeles
2	 San Francisco
3	 New York
4	 Seattle
5	 San José
6	 Honolulu
7	 Miami
8	 Washington
9	 Portland
10	 Chicago
11	 Houston

Rethinking the Good Life1.0.

What does the Good Life 2.0 look like for San Joséans?



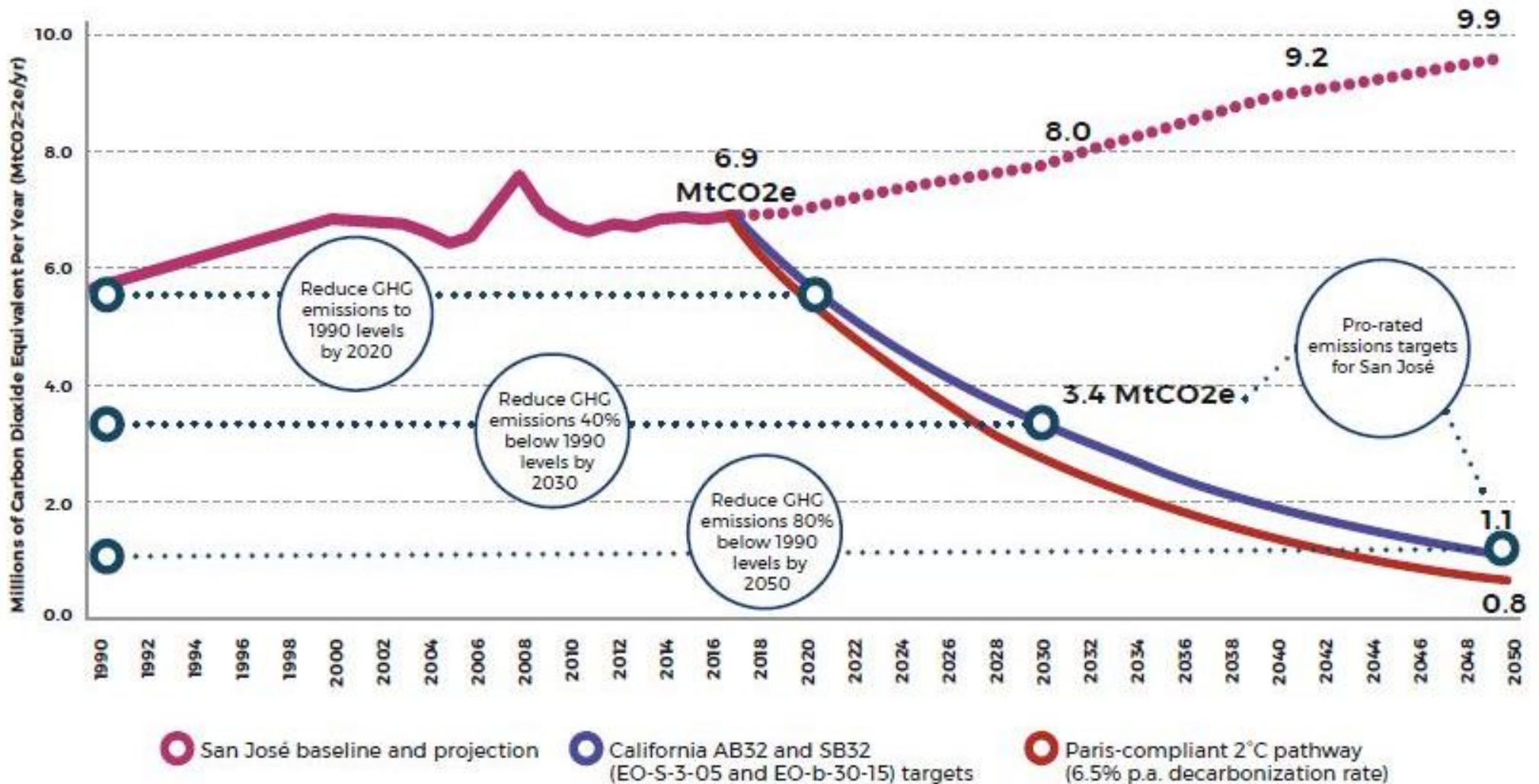
- Spend more time with family and friends
- Be more healthy and active
- Have access to parks and nature



2

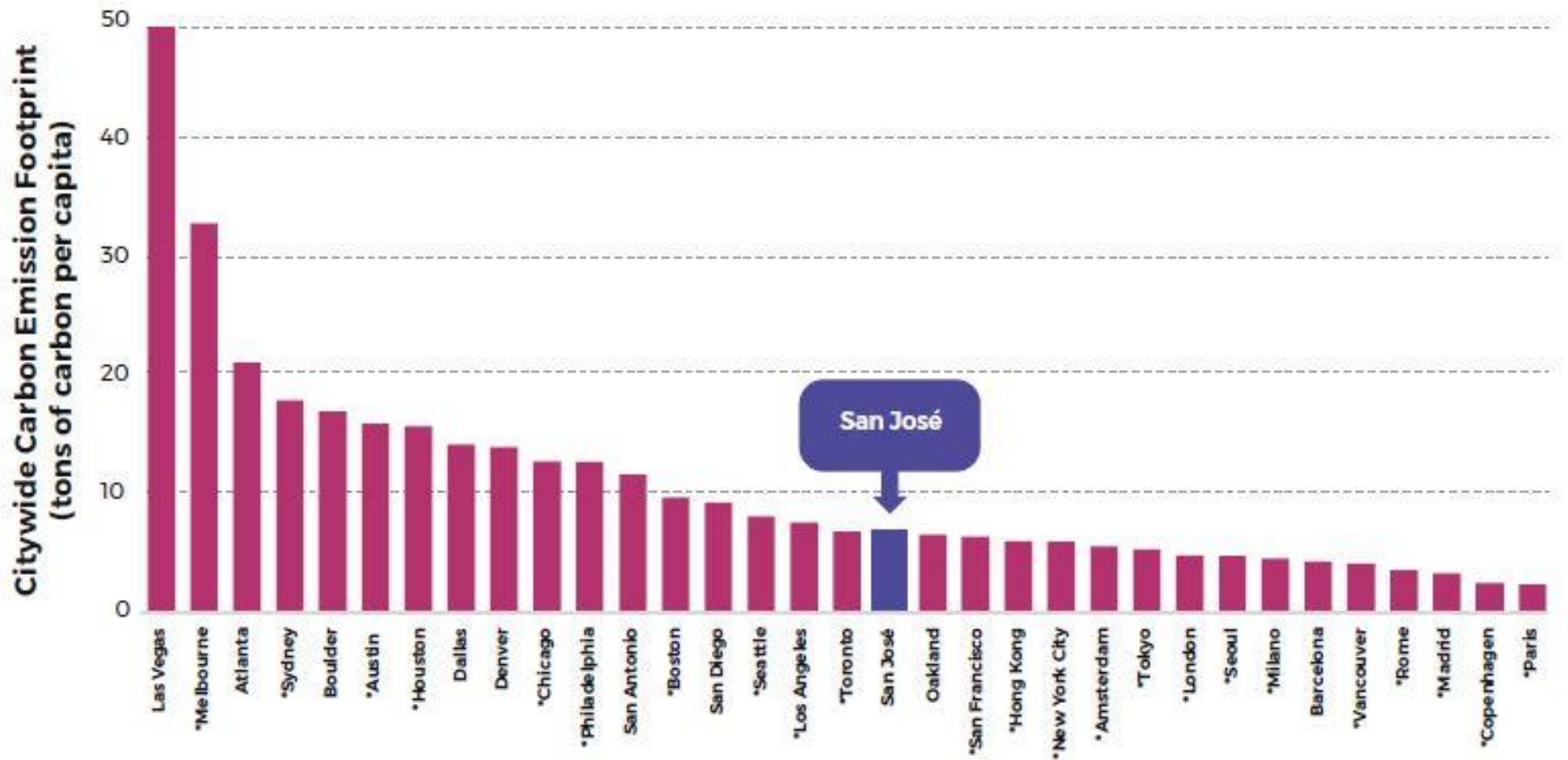
OUR JOURNEY TO DATE

SAN JOSE'S EMISSIONS PROFILE



COMPARISON TO OTHER CITIES: CARBON FOOTPRINT

Citywide Carbon Footprint (tCO2e per capita)



Source: Cities reporting to Carbon Disclosure Project (CDP)
*denotes C40 city

WE ENGAGED THE BAY AREA'S LEADING CLIMATE AND WATER EXPERTS

Expert Survey - April

- Collect ideas on innovations and leading edge measures
- 119 responses



Technical Workshops May-June, October

- Four workshops focused on energy water, mobility and open space
- Approx. 120 attendees



AND INVITED THE VIEWS OF SAN JOSE RESIDENTS AND COMMUNITY GROUPS

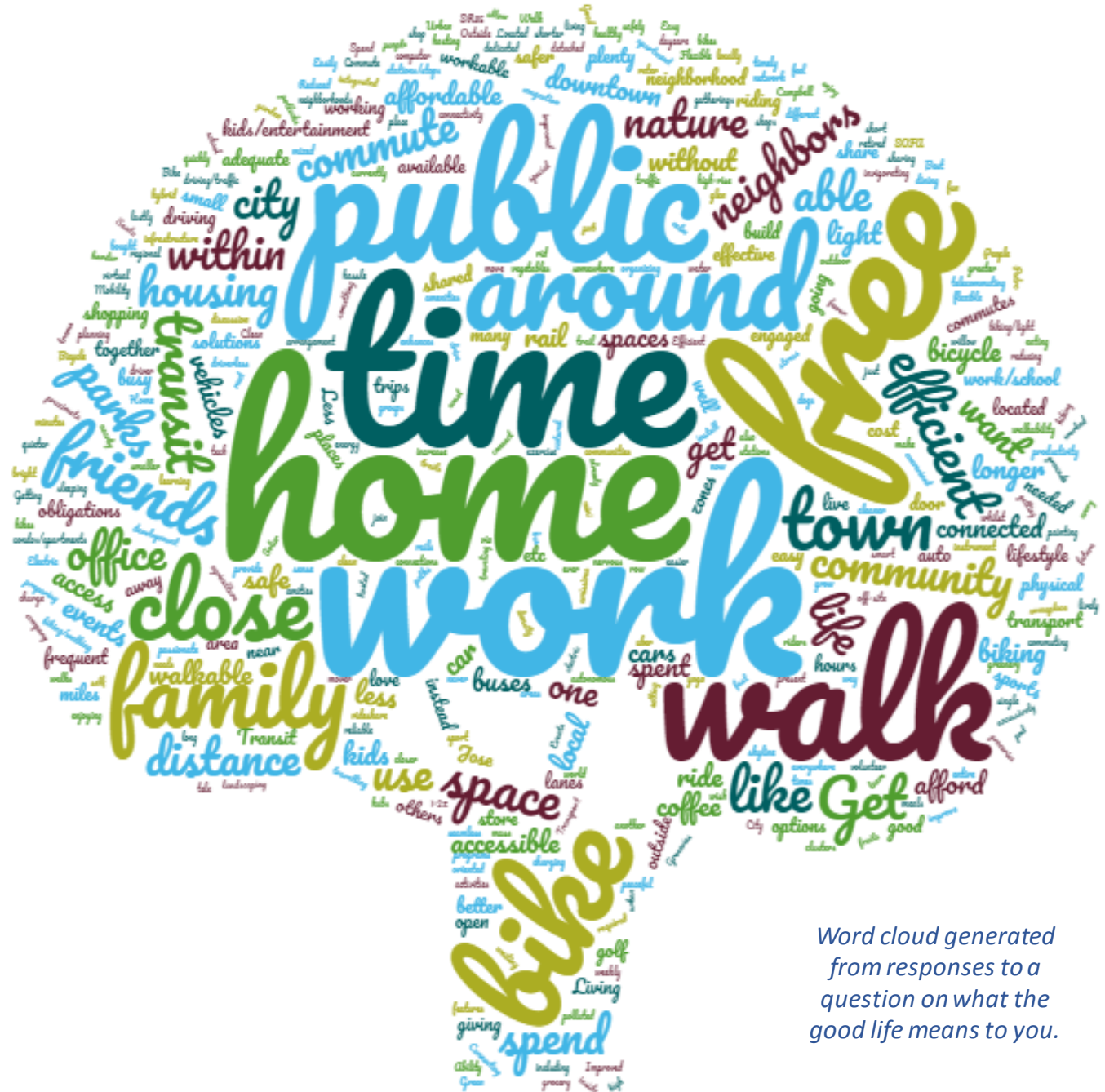
- **April 19th Town Hall**
- **5 Council District meetings**
- **June 17th Earthquakes game**



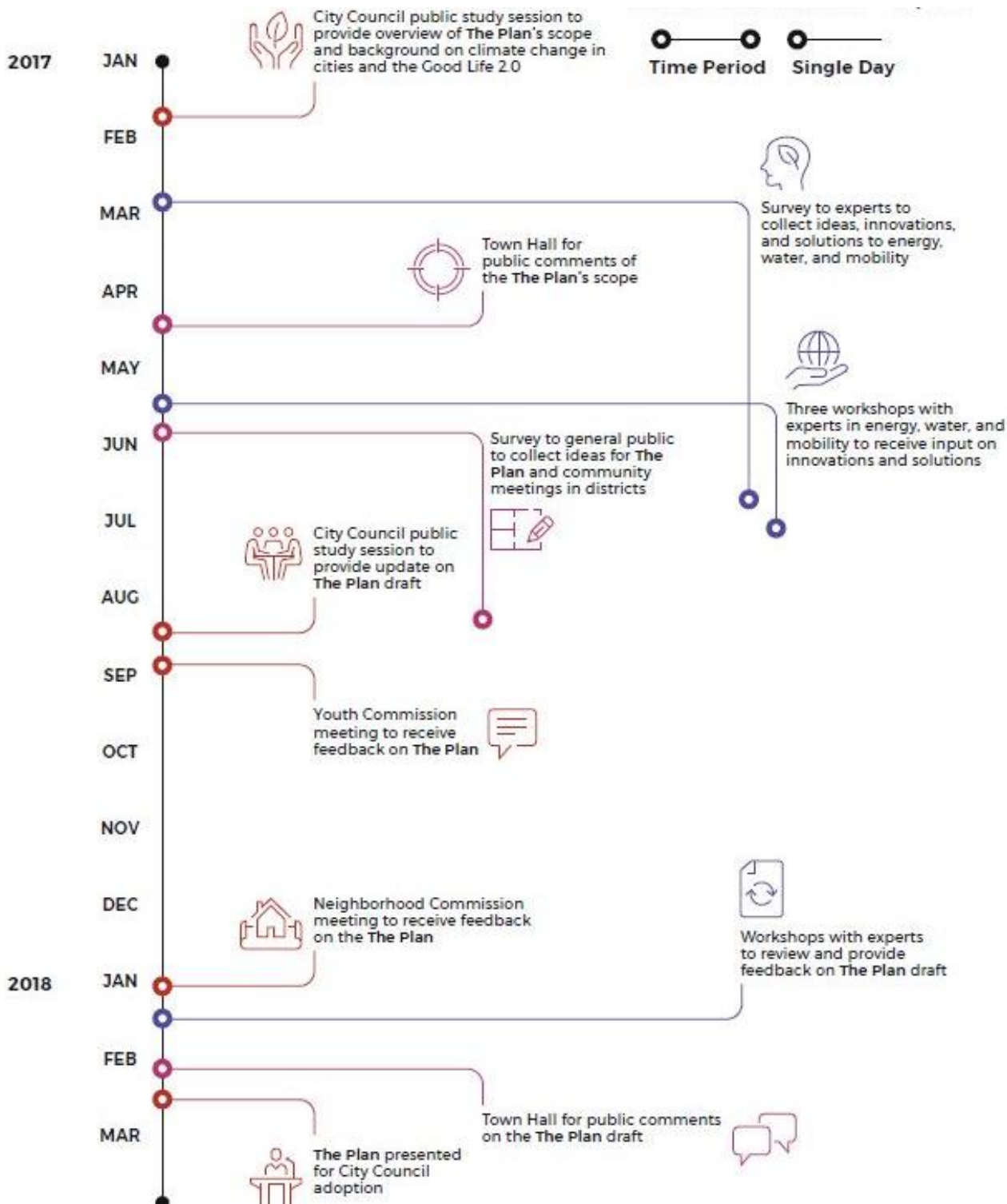
WHICH HELPED US DEVELOP A VISION FOR THE GOOD LIFE, AND WHAT IT MEANS FOR RESIDENTS OF THE CITY

Objective

- Understand people's feelings, perspectives, and actions on sustainability issues and The Good Life
- **2,100** responses
- **1,800** ideas submitted



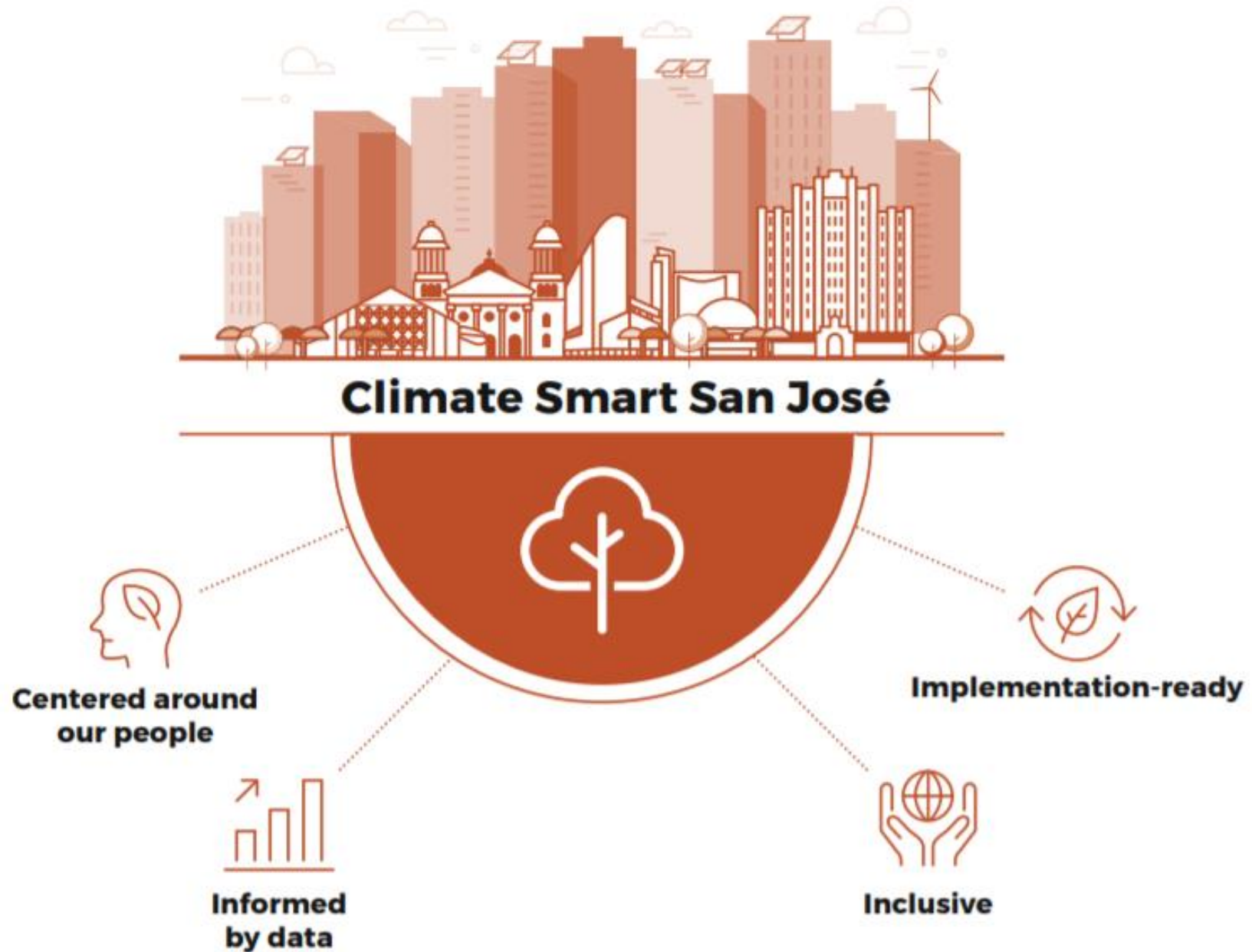
TIMELINE OF THE PLAN'S DEVELOPEMENT



3

OVERVIEW OF CLIMATE SMART SAN JOSE

CLIMATE SMART SAN JOSE FRAMING



THE BUILDING BLOCKS OF CLIMATE SMART SAN JOSE

PILLARS of what residents want

Pillar 1

A Sustainable & Climate Smart City

Pillar 2

A Vibrant City of Connected & Focused Growth

Pillar 3

An Economically Inclusive City of Opportunity

Climate and water STRATEGIES

1.1

Transition to a renewable energy future

2.1

Densify our city to accommodate our future neighbors

2.3

Create clean, personalized mobility choices

3.1

Create local jobs in our city to reduce vehicle miles traveled

3.3

Make commercial goods movement clean and efficient

1.2

Embrace our Californian climate

2.2

Make homes efficient and affordable for our families

2.4

Develop integrated, accessible public transport infrastructure

3.2

Improve our commercial building stock

Tailored PLAYBOOKS for key audiences and stakeholders

Technology enablers

Financial enablers



Businesses and industry



Property developers and owners



Residents



Our civic institutions



Regional agencies

The City's ACTION PLAN

THE ENABLING ROLE



OF THE CITY GOVERNMENT

The City's BOLD CAMPAIGNS

RENEWABLES AND ELECTRIFICATION

MEET OUR JOBS TO EMPLOYED RESIDENT RATIO TARGET

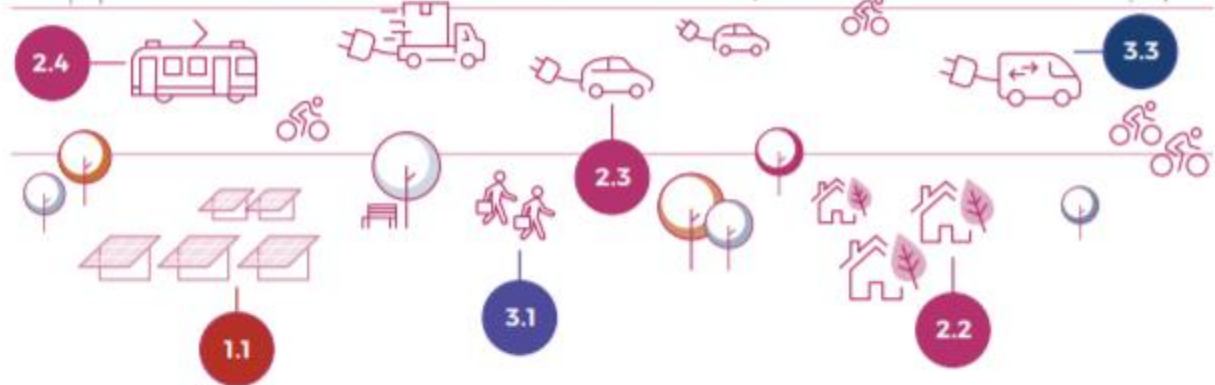
WORK TOWARD OUR FOCUSED GROWTH TARGET

REDUCE PER CAPITA VEHICLE MILES TRAVELED

REDUCE PER CAPITA WATER USAGE

THE BUILDING BLOCKS OF CLIMATE SMART SAN JOSE

The Nine Strategies of Climate Smart **SAN JOSE**



1.1

Transitioning to a renewable energy future provides clean electricity that supplies the entire city

2.1

Densifying our city in focused growth areas increases walkability and cycling and also makes our neighborhoods more vibrant, distinctive, and enjoyable

2.3

New technology can enable clean, electric, and personalized mobility choices that make it convenient to move between any two points in the City

3.1

Creating local jobs in our City makes it possible for our residents to work close to where they live, saving time, money, and gas spent commuting

3.3

Moving commercial goods through our City more efficiently with new technology and fleet management practices

1.2

Embracing our Californian climate means creating an urban landscape, in our homes and public places, that is not just low water use, but attractive and enjoyable

2.2

Making our homes energy efficient and fully electric can make them affordable for our families and more comfortable to live in

2.4

Developing integrated, accessible public and active transport infrastructure reduces the dependency on the car to move within the City

3.2

Making our commercial buildings high-performance and siting them close to transit lowers water and energy use

THERE ARE 53 MEASURES THAT HELP US GET THERE

	San José Clean Energy		Commercial building energy efficient HVAC new-build		Large pick-up EVs		Creating local jobs		Aerated faucets commercial buildings
	Distributed solar generation		Commercial building HVAC recommissioning		Local delivery EVs		Densification / focused growth		Low flush toilets (commercial)
	LED lighting retrofit		Commercial building LED lighting		Hybrid heavy goods vehicle (HGVs)		Streets for People		Commercial greywater reuse
	Energy efficient electronics		Commercial building data center energy efficiency		Electric heavy goods vehicle (HGVs)		Drought resilient landscaping		Residential greywater
	Energy efficient refrigerators		Residential dishwasher efficiency		CNG heavy goods vehicle (HGVs)		Drip irrigation in landscaping		
	Gas to electric stove replacement		Residential clothes washer efficiency		Efficient heavy goods vehicle (HGVs)		Domestic rainwater storage		
	Gas to electric water heater replacement		Passenger car EV		Cal train Modernization		Low flush toilets (residential)		
	Gas to electric ground source heat pumps		SUV EV		BART Silicon Valley Extension		Low flow showers		
	Smart thermostats		Passenger car autonomous EV		California High Speed Rail		Showers instead of baths		
	Residential building thermal envelope retrofit		SUV autonomous EV		VTA Bus Rapid Transit & Light Rail		Aerated faucets in homes		
	Residential building thermal envelope new-build		Ride-sharing cars		VTA Next Network & Enhanced Bus Service		Fixing leaks in homes		
	Commercial building thermal envelope retrofit		Ride-sharing shuttles		San Jose Bike Plan				
	Commercial building thermal envelope new-build		Ride-sharing autonomous cars						
	Commercial building thermal envelope new-build		Ride-sharing autonomous shuttles						

KEY

ENERGY

TRANSPORT

LAND USE

WATER

San José will create SJCE, a community choice energy (CCE) program that will make 100 percent carbon-free electricity available as a base offering to all users in the city by 2021.

Good Life Benefits for Our City

By creating its own electricity service provider in the form of SJCE, the people of San José will have direct control over how much they pay and where their energy comes from. Households generating energy through on-site solar panels will also stand to receive benefits from the sale of distributed energy through net energy metering.

Our Leadership to Date

In our 2007 San José Green Vision (Green Vision), we committed to receive 100 percent of our electrical power from clean, renewable sources. Ten years later, in May 2017, the city council voted unanimously to establish SJCE, making San José the largest city with a CCE program in the country with the option to choose the level of renewable power. Combined with 131 MW of distributed solar generating capacity in the city, San José is well-placed to transition to a renewable energy future.

Low-Carbon Growth Milestones



INDICATORS	CARBON REDUCTIONS	RENEWABLE ENERGY	LOCAL RENEWABLES
METRICS	Emissions reduction from this strategy	Share of eligible renewable energy generation provided by SJCE	Amount of renewable energy capacity installed in San José
PROGRESS MILESTONES	Thousands of tons of carbon reduced per year	Percentage of SJCE's power mix	Installed capacity of local renewables (MW)
TODAY	-	-	131
2030	784	60%	668
2040	1,341	87%	1,113
2050	1,666	100%	1,430



4

HOW CITY HALL AND THE COMMUNITY CAN IMPLEMENT CLIMATE SMART SAN JOSE

THE BUILDING BLOCKS OF CLIMATE SMART SAN JOSE

PILLARS of what residents want

Pillar 1

A Sustainable & Climate Smart City

Pillar 2

A Vibrant City of Connected & Focused Growth

Pillar 3

An Economically Inclusive City of Opportunity

Climate and water STRATEGIES

1.1

Transition to a renewable energy future

2.1

Densify our city to accommodate our future neighbors

2.3

Create clean, personalized mobility choices

3.1

Create local jobs in our city to reduce vehicle miles traveled

3.3

Make commercial goods movement clean and efficient

1.2

Embrace our Californian climate

2.2

Make homes efficient and affordable for our families

2.4

Develop integrated, accessible public transport infrastructure

3.2

Improve our commercial building stock

Tailored PLAYBOOKS for key audiences and stakeholders

Technology enablers

Financial enablers



Businesses and industry



Property developers and owners



Residents



Our civic institutions



Regional agencies

The City's ACTION PLAN

THE ENABLING ROLE



OF THE CITY GOVERNMENT

The City's BOLD CAMPAIGNS

RENEWABLES AND ELECTRIFICATION

MEET OUR JOBS TO EMPLOYED RESIDENT RATIO TARGET

WORK TOWARD OUR FOCUSED GROWTH TARGET

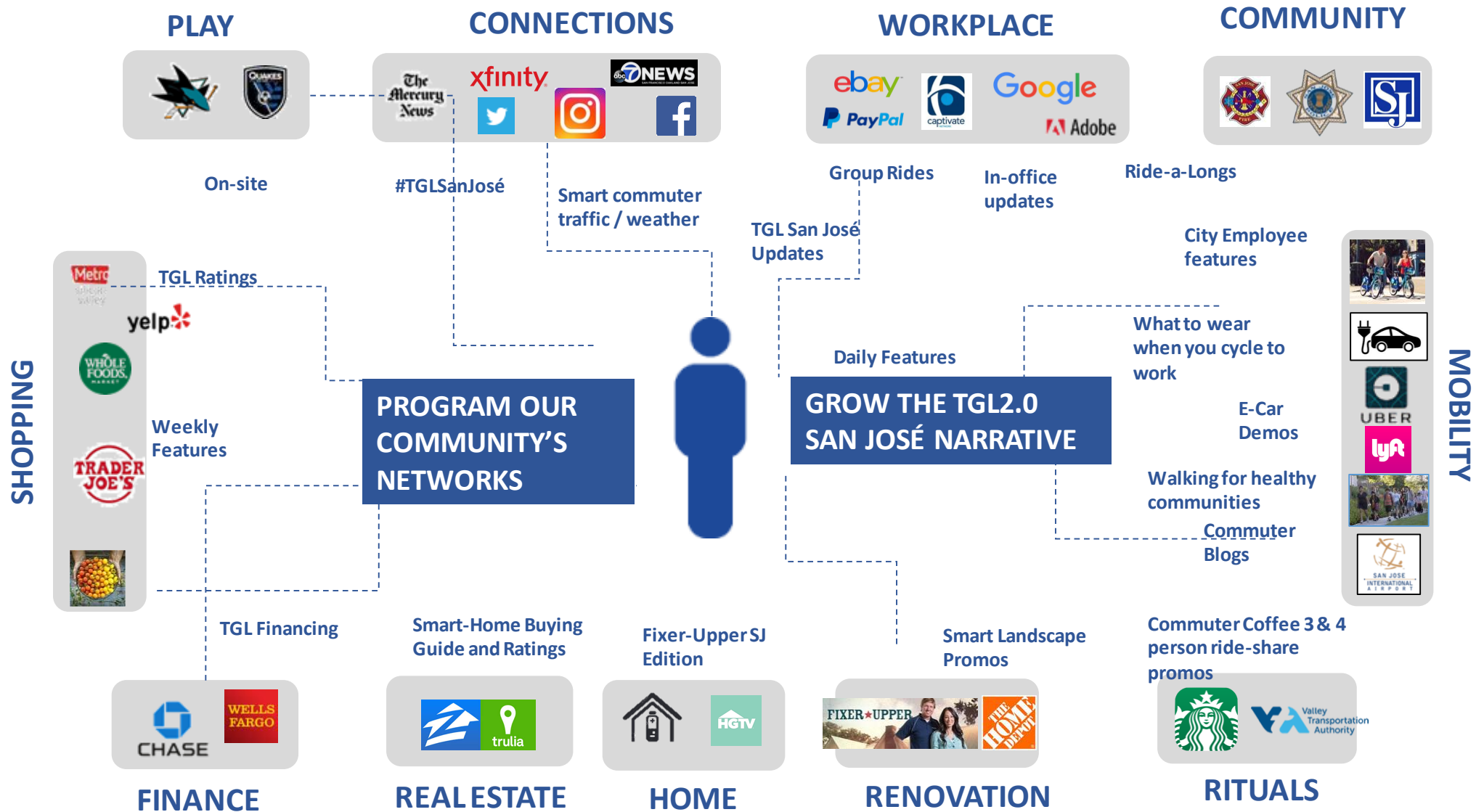
REDUCE PER CAPITA VEHICLE MILES TRAVELED

REDUCE PER CAPITA WATER USAGE

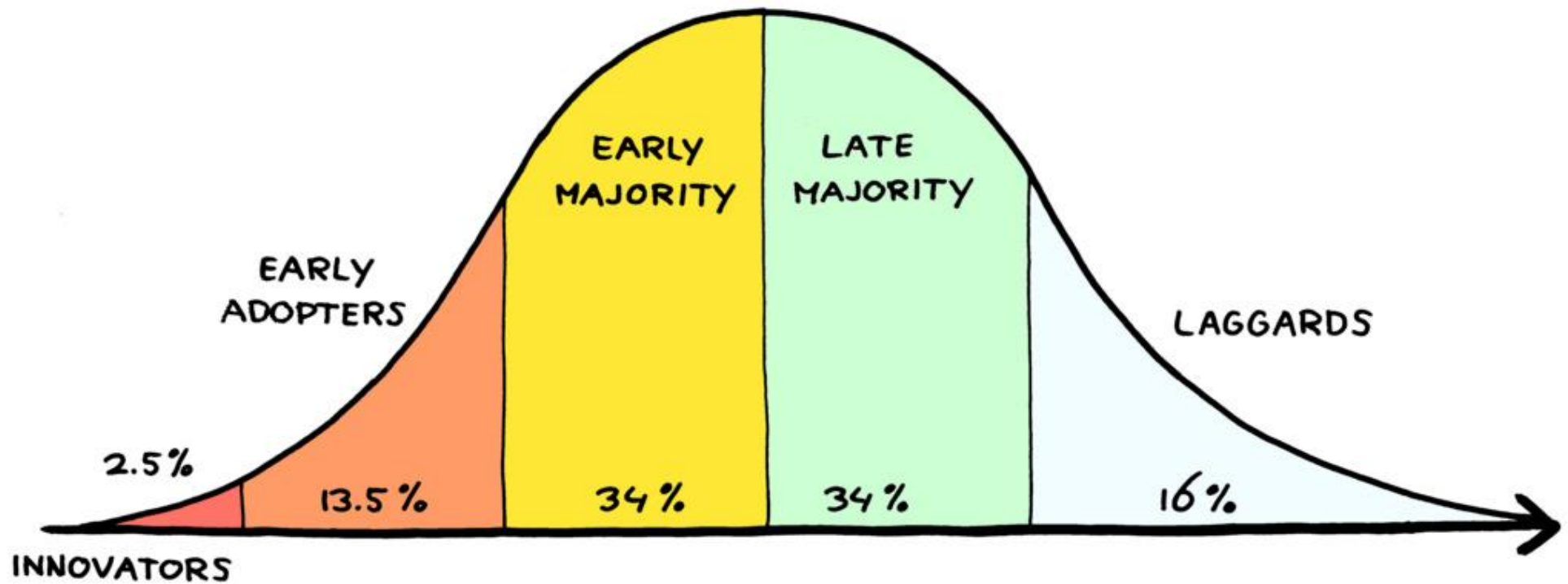
CITY ACTION PLAN – EXAMPLES OF ACTIONS CITY HALL CAN TAKE

FOCUS AREA	OPTIONS FOR SUPPORTING CITY ACTIONS	LEAD DEPARTMENTS
SAN JOSÉ CLEAN ENERGY	Run program to stand up SJCE which will provide the community a choice in their electricity provider. EXISTING	DCE
	Support legislative and regulatory items that further the city's transition to renewable energy.	DCE
ENABLE FINANCING	Evaluate options such as performance-based electric rates and on-bill financing to incentivize fully-electric homes.	DCE
	Evaluate feed-in tariff program options where SJCE pays for excess residential and/or commercial solar generation.	DCE
	Provide guidance and explore improvements to energy efficiency financing options, especially for commercial businesses.	ESD

PROGRAMMING COMMUNITY NETWORKS



PROGRESS THROUGH THE ADOPTION CURVE



PLAYBOOKS DESIGNED TO GIVE A FOCUSED SHORTLIST OF ACTIONS THAT RESIDENTS CAN ADOPT

Highlights:

- Live close to where you work
- Automate efficiency
- Walk, bike, carpool and take public transit

The image shows two overlapping pages from a 'Resident Playbook' under the heading 'SECTION 3.4'. The top page is titled 'Resident Playbook on Energy' and features a leaf-and-plug icon, a smart thermostat image, and a section titled 'Use Smart Thermostats' with a cost icon of four dollar signs (\$\$\$\$). The bottom page is titled 'Resident Playbook on Mobility' and features a person on a bicycle icon, a bar chart titled 'KG CO2 SAVED PER HOUSEHOLD' with categories <50, 50-99, 100-499, 500-999, and >1,000, and a cost icon of four dollar signs (\$\$\$\$). Below the chart are two action items: 'Live Close to Where You Work' with a person sitting on the floor with a bicycle, and 'Live in a Walkable Neighborhood' with a street scene image. Both pages include introductory text about the impact of the actions.

SECTION 3.4

Resident Playbook on Energy

What will have the biggest impact in making your home more efficient? Replace your gas appliances for electric. Smart thermostats are cleaner, natural gas, not so much. The following actions will make your home more comfortable, save you money and reduce your carbon footprint.

Use Smart Thermostats

In an afternoon, you can install a smart thermostat which gives you the power to automate your home's climate to make it more comfortable.

SECTION 3.4

Resident Playbook on Mobility

Innovations in transportation are giving us more freedom to move than ever before. The alternatives to driving a gas-powered car in rush hour are becoming more enjoyable, reliable, and less expensive.

KG CO2 SAVED PER HOUSEHOLD

KG CO2 SAVED PER HOUSEHOLD	Cost
<50	\$
50-99	\$\$
100-499	\$\$\$
500-999	\$\$\$\$
>1,000	\$\$\$\$

Live Close to Where You Work

Living close to where you work can radically improve the Good Life. Telecommuting, walking/biking to work, and access to good public transit mean less time stuck in traffic and more time for your friends, family, and the other things you love.

Live in a Walkable Neighborhood

Making your home in a neighborhood where the grocery store, parks, and schools are within walking or biking distance creates more connected communities and provides regular exercise.

PLAYBOOKS DESIGNED TO GIVE A FOCUSED SHORTLIST OF ACTIONS THAT BUSINESSES CAN ADOPT

Highlights:

- Locate your businesses close to where your employees work
- Telecommuting where possible
- SRI 401ks

SECTION 3.4

Business Employee Engagement Playbook



Providing employees incentives and opportunities to take action on climate change can further enhance your business's competitiveness in attracting and retaining talent as an increasing number of people, especially millennials, are looking for companies that provide meaningful work and enable them to live the Good Life.



Telecommuting
The cost benefits of telecommuting and commute times. Remote working from home results in job satisfaction. Win, win.



Preferred Pricing on Residential Solar
Many leading Silicon Valley companies are part of programs that enable employees to purchase solar systems at discounted prices at no cost to the company.



EV Charging Stations
Installing a charging station can enable some employees to use and purchase an EV.

Discounted Transit Passes
Programs such as VTA's Eco Pass provide deeply discounted transit passes to people through their employers.



SRI 401k Options
Expanding the selection of 401k plans to include green and Socially Responsible Investing (SRI) funds can enable employees to invest in companies with values that match their own and also support low-carbon sectors of the economy.

PLAYBOOKS DESIGNED TO GIVE A FOCUSED SHORTLIST OF ACTIONS THAT AGENCIES CAN ADOPT

- VTA
- CPUC
- SCVWD
- PG&E
- BART
- And many others

Civic & Regional Agency Playbook



PILLAR 1: A SUSTAINABLE & CLIMATE-SMART CITY

1.1 TRANSITION TO A RENEWABLE ENERGY FUTURE

San José will create San José Clean Energy (SJCE), a community choice aggregation, that will make 100 percent carbon-free electricity available as a base offering to all users in the city by 2021.

CEC, PUC, PG&E, BayREN: Partner on acceptance of small-scale feed-in tariffs for distributed solar.
NGOs: Support installation of solar for low-income communities.

1.2 EMBRACE OUR CALIFORNIAN CLIMATE

San José will effectively employ sustainable use practices of local water and green infrastructure to achieve a 30 percent reduction in residential water consumption to 42 gallons per day per capita by 2030.

SCVWD: Continue to invest in expanding incentives for conservation efforts and regional water storage.
Water agencies and NGOs: Connect people with resources, including training, to do climate-smart landscaping.



PILLAR 2: A VIBRANT CITY OF CONNECTED & FOCUSED GROWTH

2.1 DENSIFY OUR CITY TO ACCOMMODATE OUR FUTURE NEIGHBORS

San José will embrace its expected 319,000 additional residents through managed, mixed-use densification around its urban villages.

NGO: Support developers of dense housing and office projects in urban villages during entitlement process. Advocate for housing at all price points and safe, comfortable places to walk.

2.2 MAKE HOMES EFFICIENT AND AFFORDABLE FOR OUR RESIDENTS

All new homes built in San José from 2020 will be ZNE, and existing homes will be retrofitted to reduce their energy consumption and eliminate their use of natural gas.

NGO: Support cities and developers in being able to design and construct homes that meet or exceed Title 24 and CalGreen standards. Help make resources available for lower income communities to take advantage of the kind of retrofits needed.
PG&E, BayREN, CEC: Provide funding and resources for energy efficiency and potential energy storage.

2.3 CREATE CLEAN, PERSONALIZED MOBILITY CHOICES

San José will work to develop clean, personalized, and shared mobility choices, reducing single-passenger gasoline-car use through a combination of bike- and ridesharing, passenger vehicle electrification and, in the future, autonomous vehicles.

CalTrans, MTA, CARB: Create commercial transit policies that accelerate the development and adoption of clean, personal mobility technologies.
Biking advocates: Continue advocating for embedded and enhanced bike networks and teaching bike safety for adults and kids.

2.4 DEVELOP INTEGRATED, ACCESSIBLE PUBLIC TRANSPORT INFRASTRUCTURE

San José will continue supporting public transit infrastructure as a means of getting around the city, particularly the integration of multiple transport modes at Diridon Station.

VTA: Match growth of VTA network to the growth of urban villages.
BART: Focus growth on mixed-use development at sites near stations.
BART, Caltrain, Cal High Speed Rail: Enable efficient first-mile, last-mile connections.
All Transit: Increase transit frequency to make it more attractive and convenient for riders. Encourage jobs to be located on the transit infrastructure.

- Council consideration on February 27
- Advance implementation of Council priorities
- Ensure robust community engagement to build awareness and activate Plan implementation
- Fundraising and partnerships
- Track metrics and share dashboards
- Provide semi-annual updates to City Council
- Update Climate Smart San Jose every four years to align with General Plan update

5

Q&A

Live video streaming audience,
email: CSSJ@sanjoseca.gov

www.sjenvironment.org/CSSJ

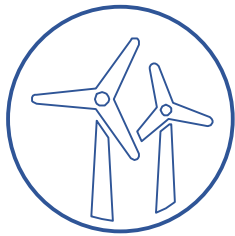
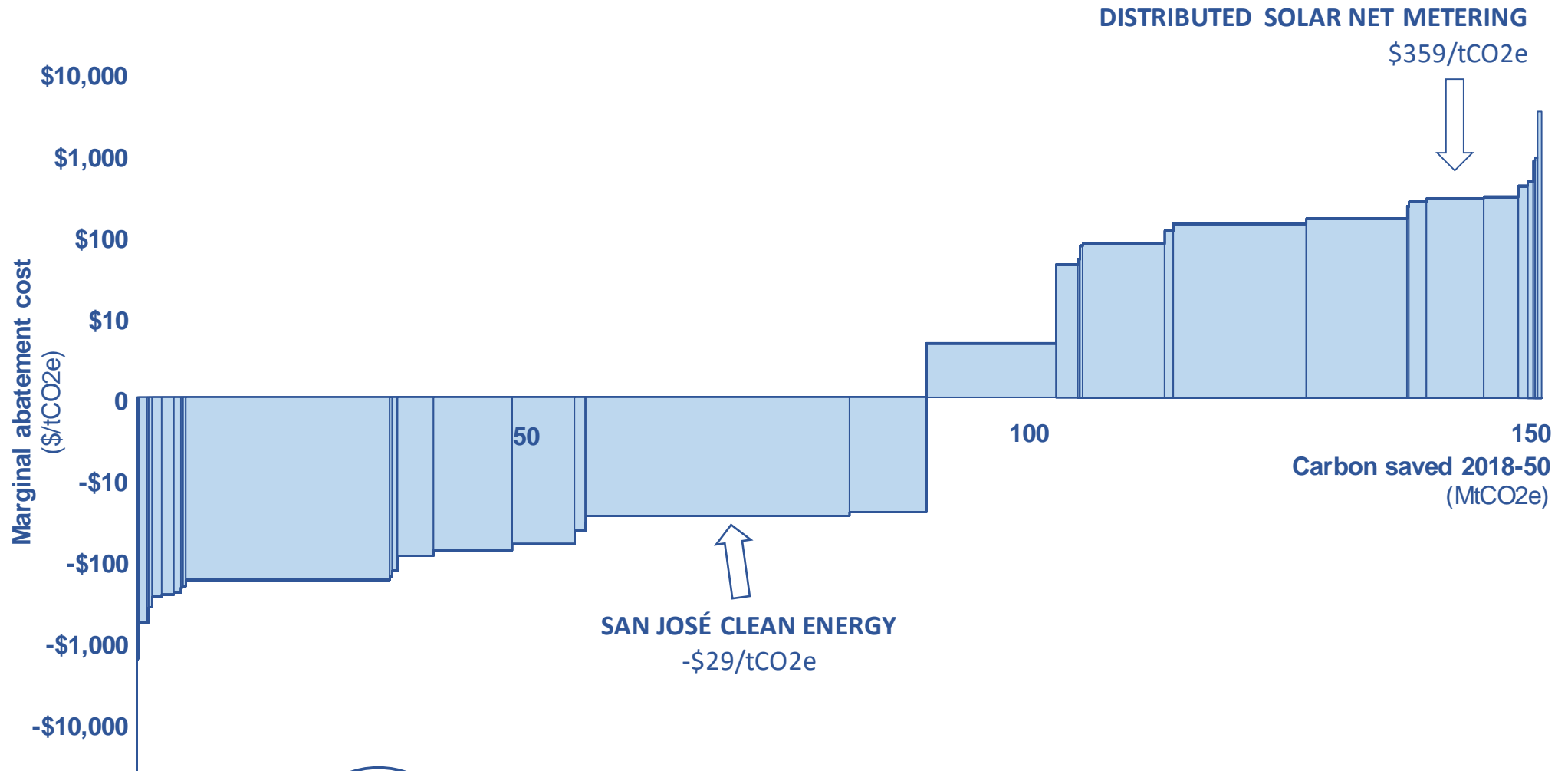


BACK-UP SLIDES

QUESTIONS FOR IMPLEMENTATION

1. What can we do to call on the private sector to provide us with sustainable lifestyle products and services?
2. How can we excite and educate our young people on these issues?
3. As the City appoints its first Chief Sustainability Officer, how should that person work with the community on an on-going basis?

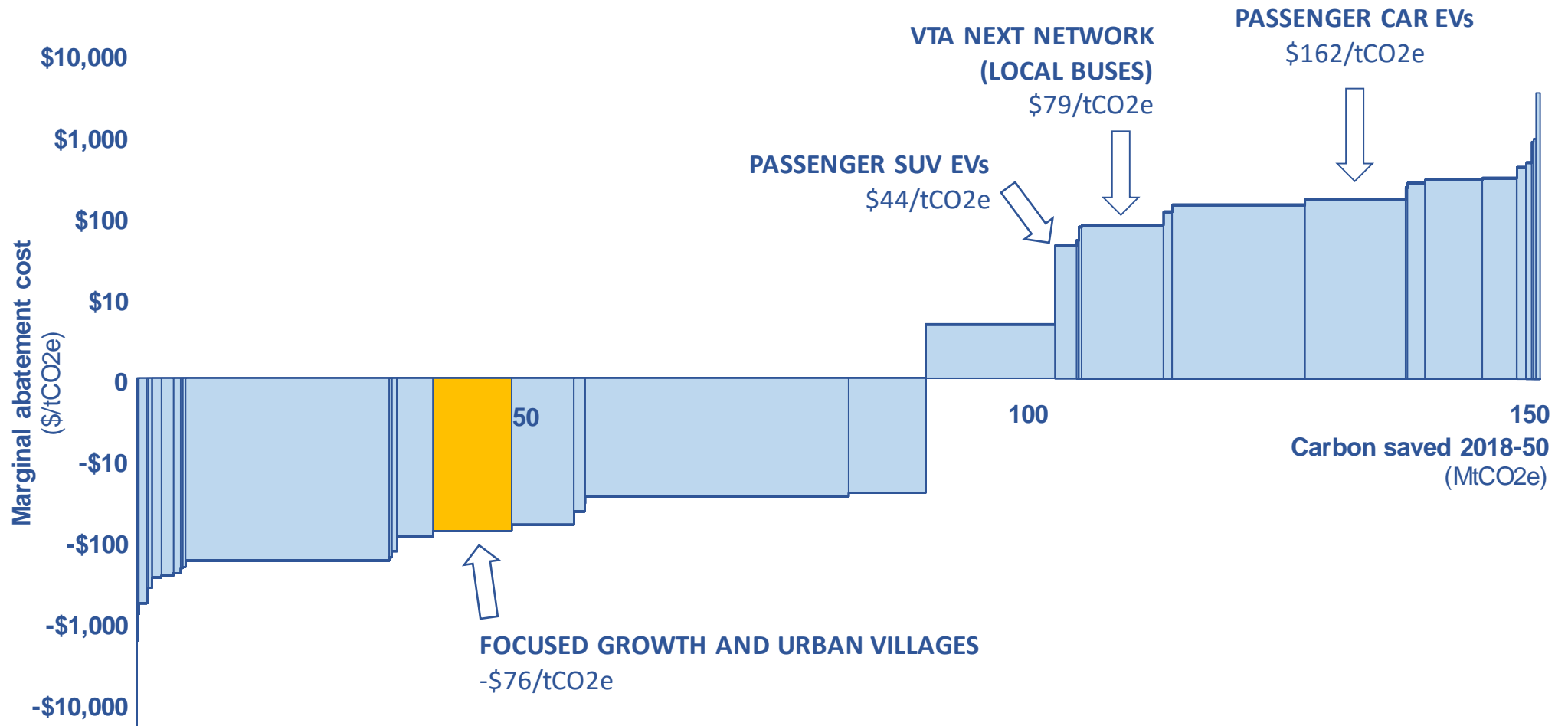
THE COSTS & BENEFITS INFORM THE PATHWAY: MARGINAL ABATEMENT COST CURVE



STRATEGY 1.1

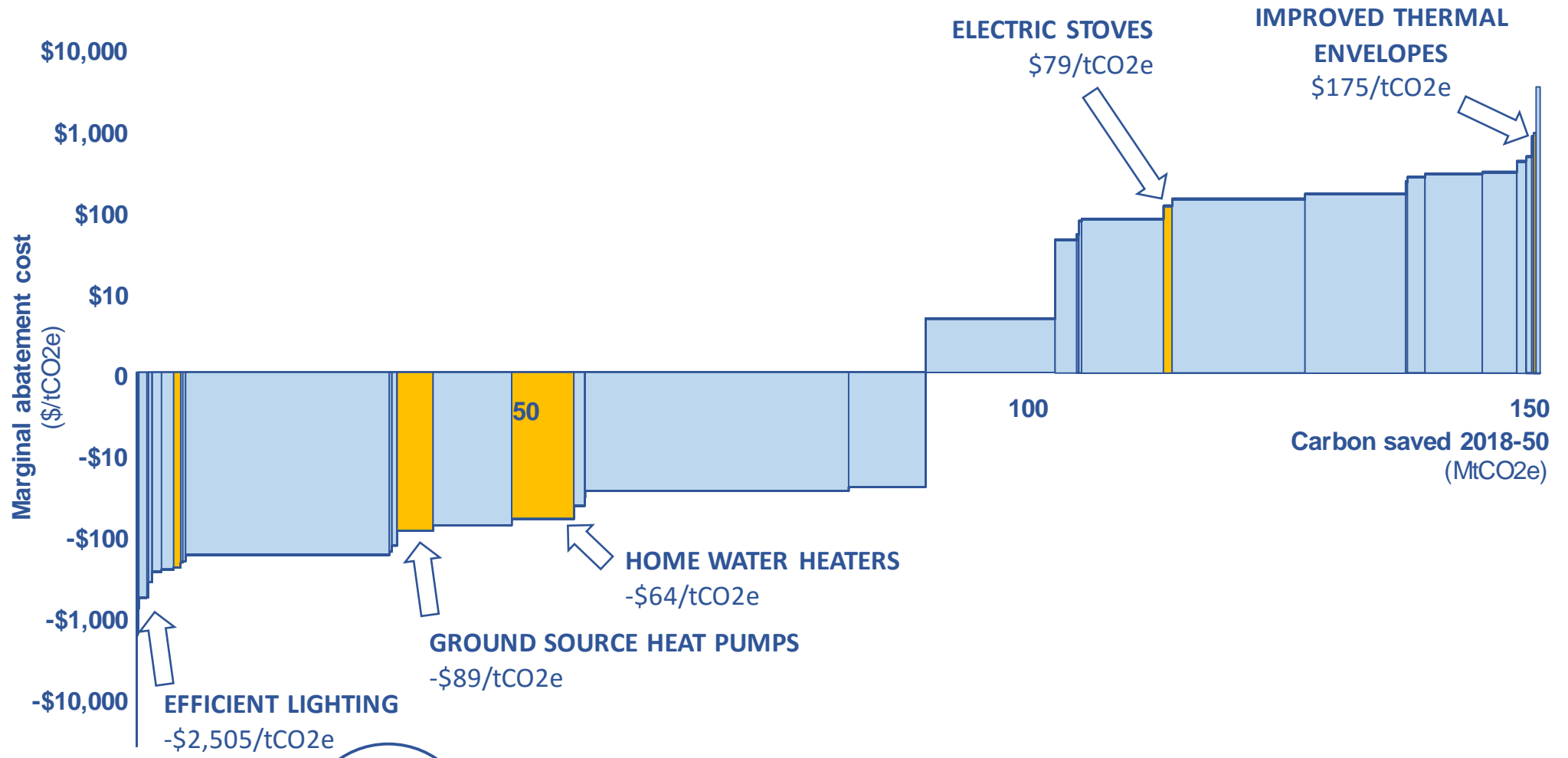
TRANSITION TO A RENEWABLE ENERGY FUTURE

THE COSTS & BENEFITS INFORM THE PATHWAY: MARGINAL ABATEMENT COST CURVE



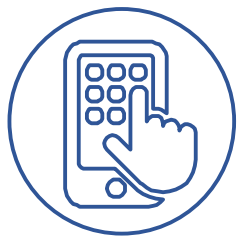
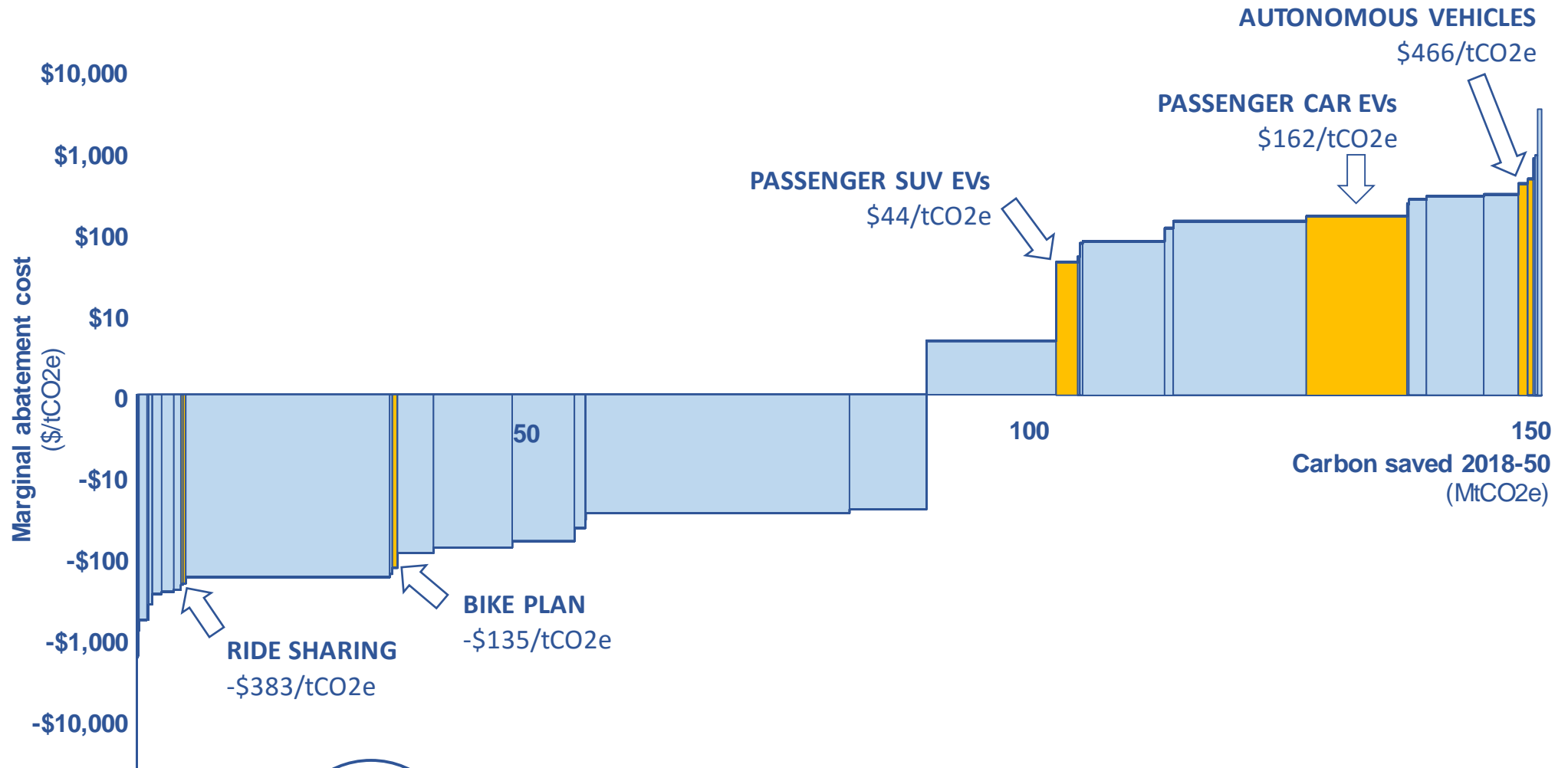
STRATEGY 2.1
**DENSIFY OUR CITY TO ACCOMMODATE OUR
FUTURE NEIGHBORS**

THE COSTS & BENEFITS INFORM THE PATHWAY: MARGINAL ABATEMENT COST CURVE



STRATEGY 2.2
**MAKE HOMES EFFICIENT AND AFFORDABLE
FOR OUR FAMILIES**

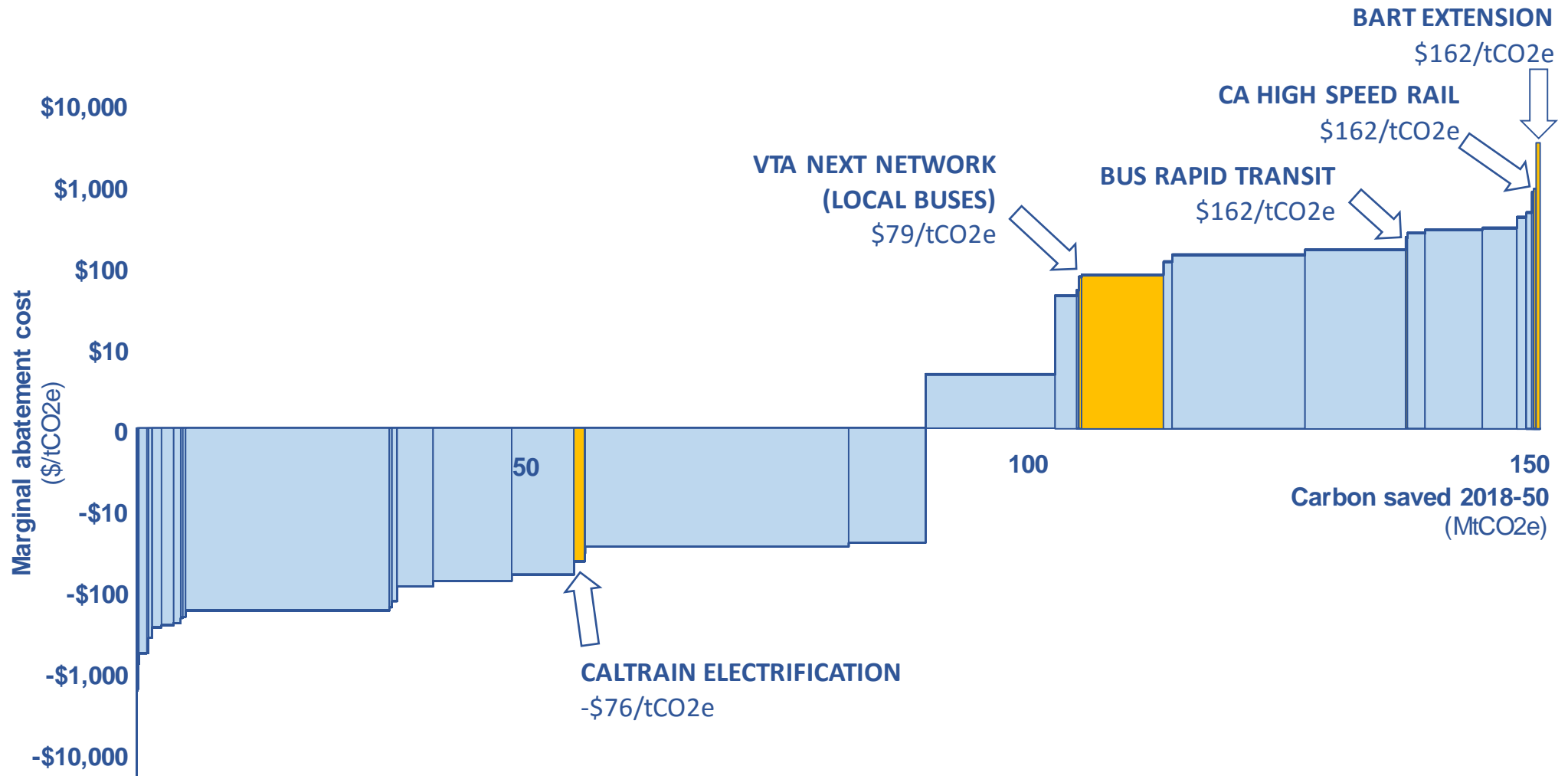
THE COSTS & BENEFITS INFORM THE PATHWAY: MARGINAL ABATEMENT COST CURVE



STRATEGY 2.3

CREATE CLEAN, PERSONALIZED MOBILITY CHOICES

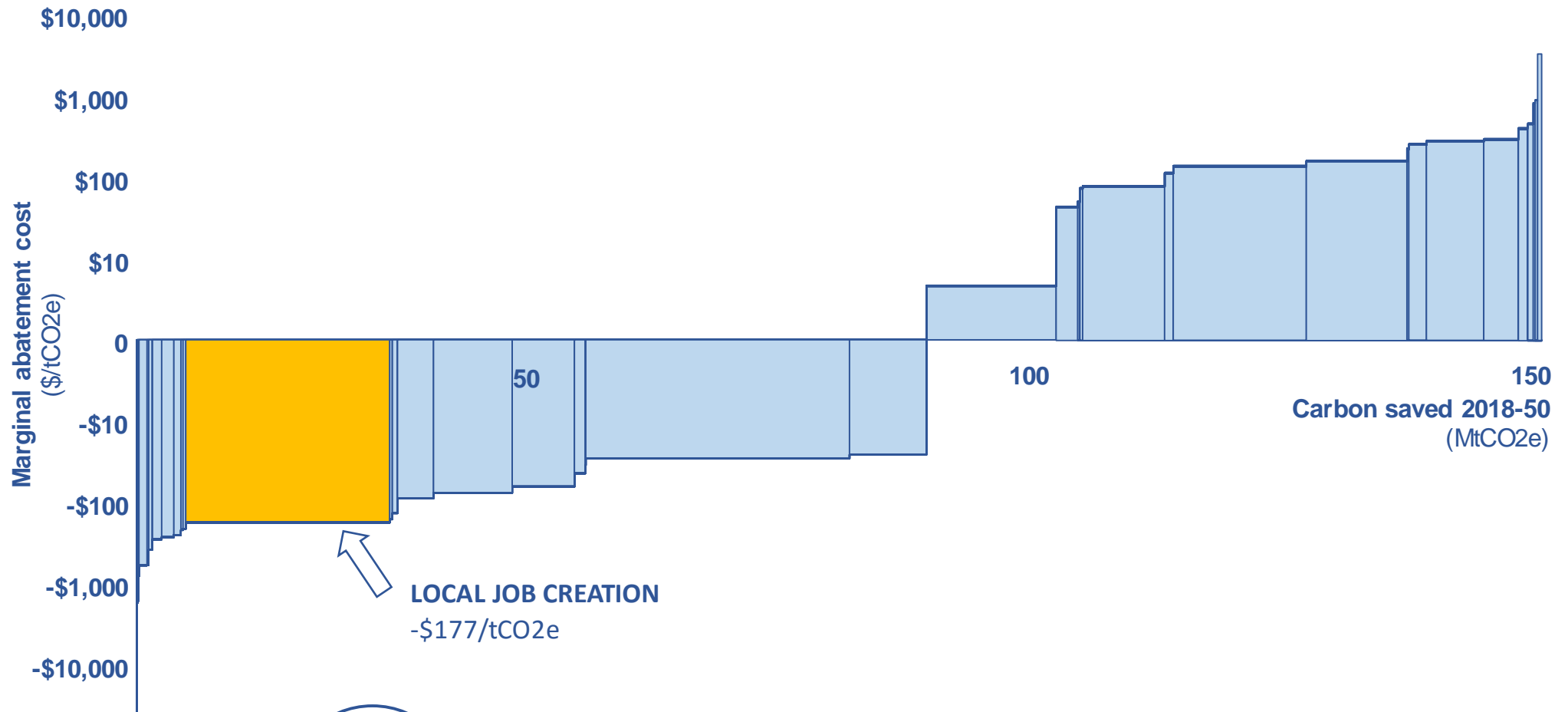
THE COSTS & BENEFITS INFORM THE PATHWAY: MARGINAL ABATEMENT COST CURVE



STRATEGY 2.4

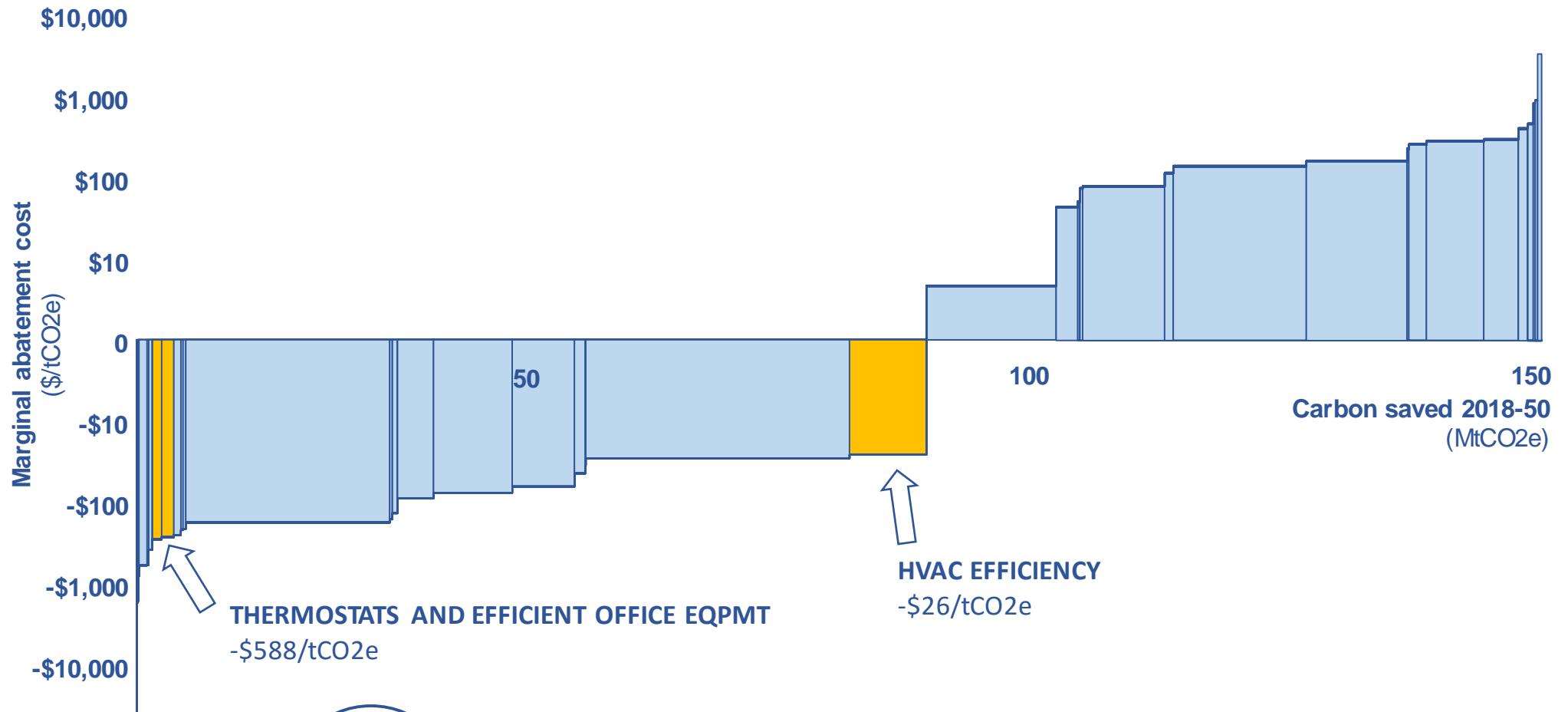
**DEVELOP INTEGRATED, ACCESSIBLE PUBLIC
TRANSPORT INFRASTRUCTURE**

THE COSTS & BENEFITS INFORM THE PATHWAY: MARGINAL ABATEMENT COST CURVE



STRATEGY 3.1
CREATE LOCAL JOBS

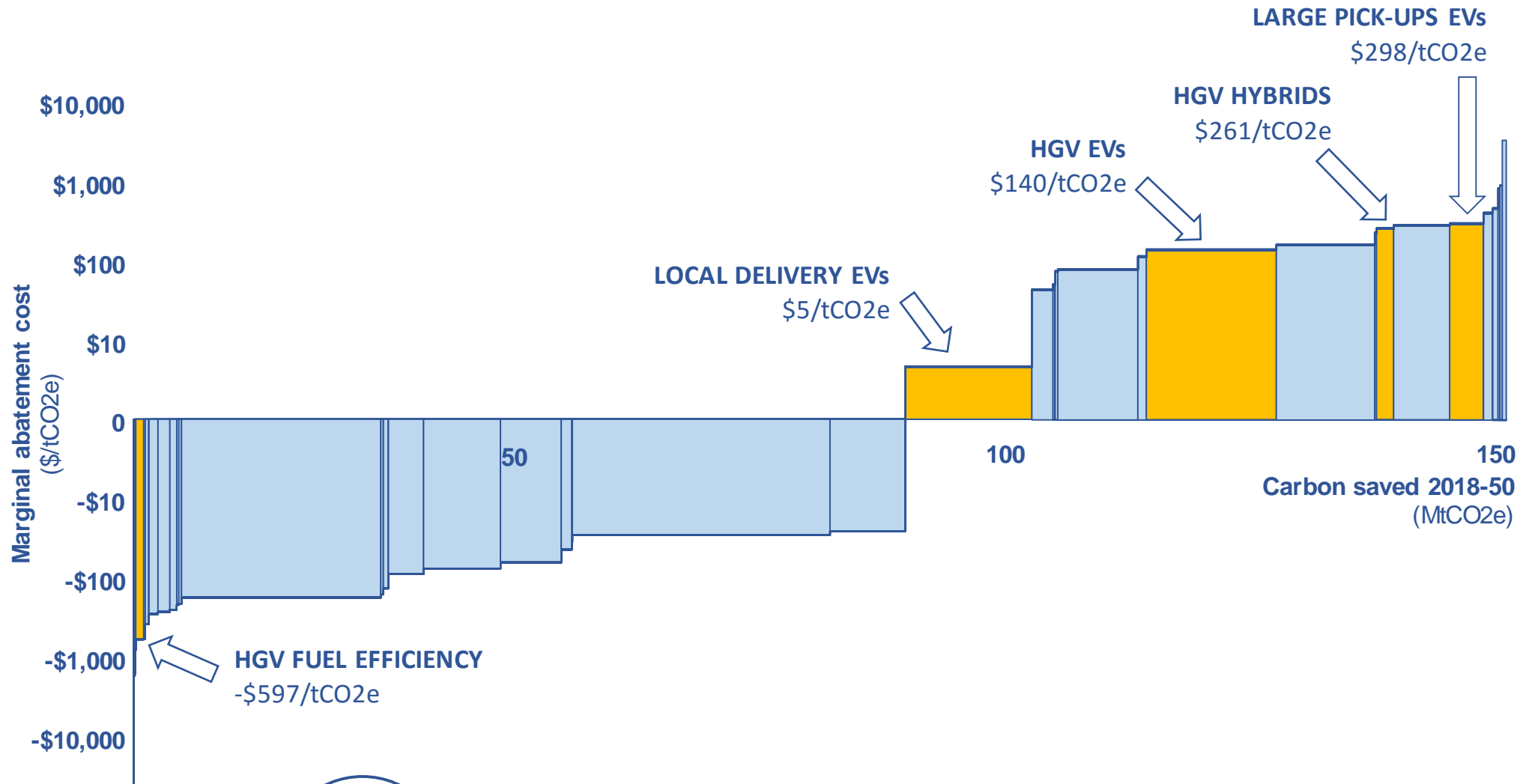
THE COSTS & BENEFITS INFORM THE PATHWAY: MARGINAL ABATEMENT COST CURVE



STRATEGY 3.2

IMPROVE OUR COMMERCIAL BUILDING STOCK

THE COSTS & BENEFITS INFORM THE PATHWAY: MARGINAL ABATEMENT COST CURVE

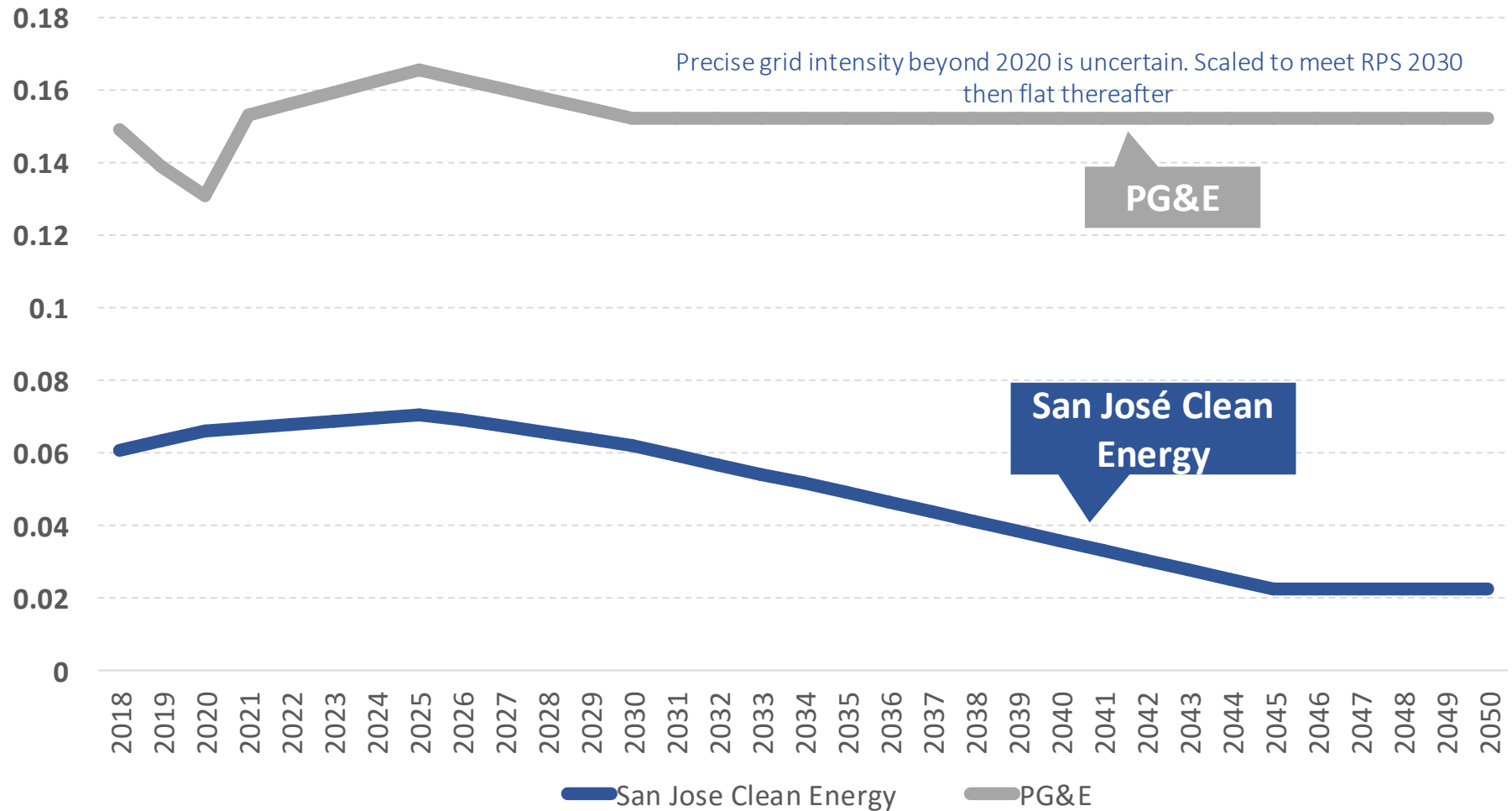


STRATEGY 3.3

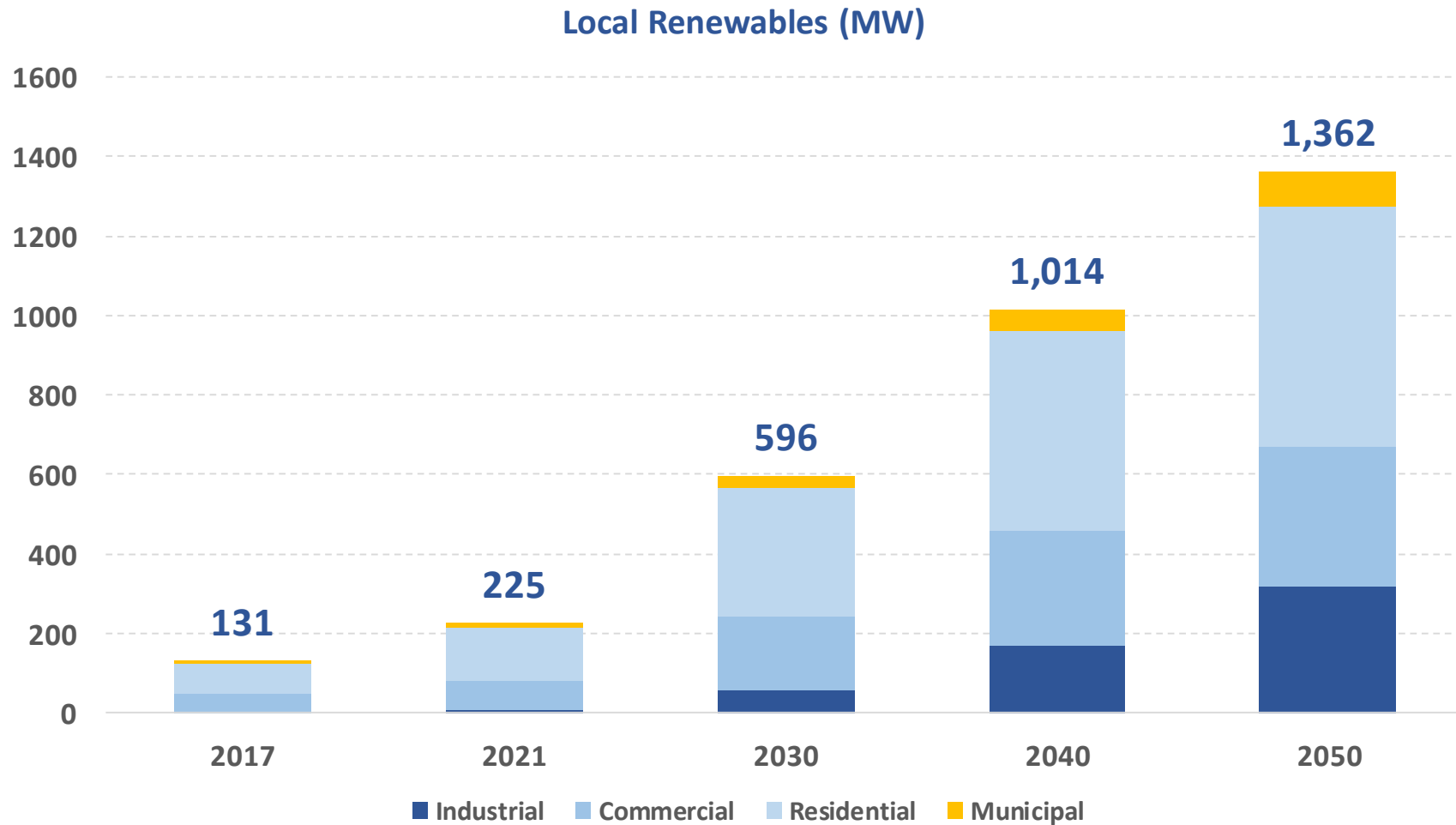
**MAKE COMMERCIAL GOODS MOVEMENT
CLEAN AND EFFICIENT**

RENEWABLES AND ELECTRIFICATION: SJCE 100% GHG-FREE POWER FROM 2021

Carbon intensity of electricity (tCO₂e/MWh)

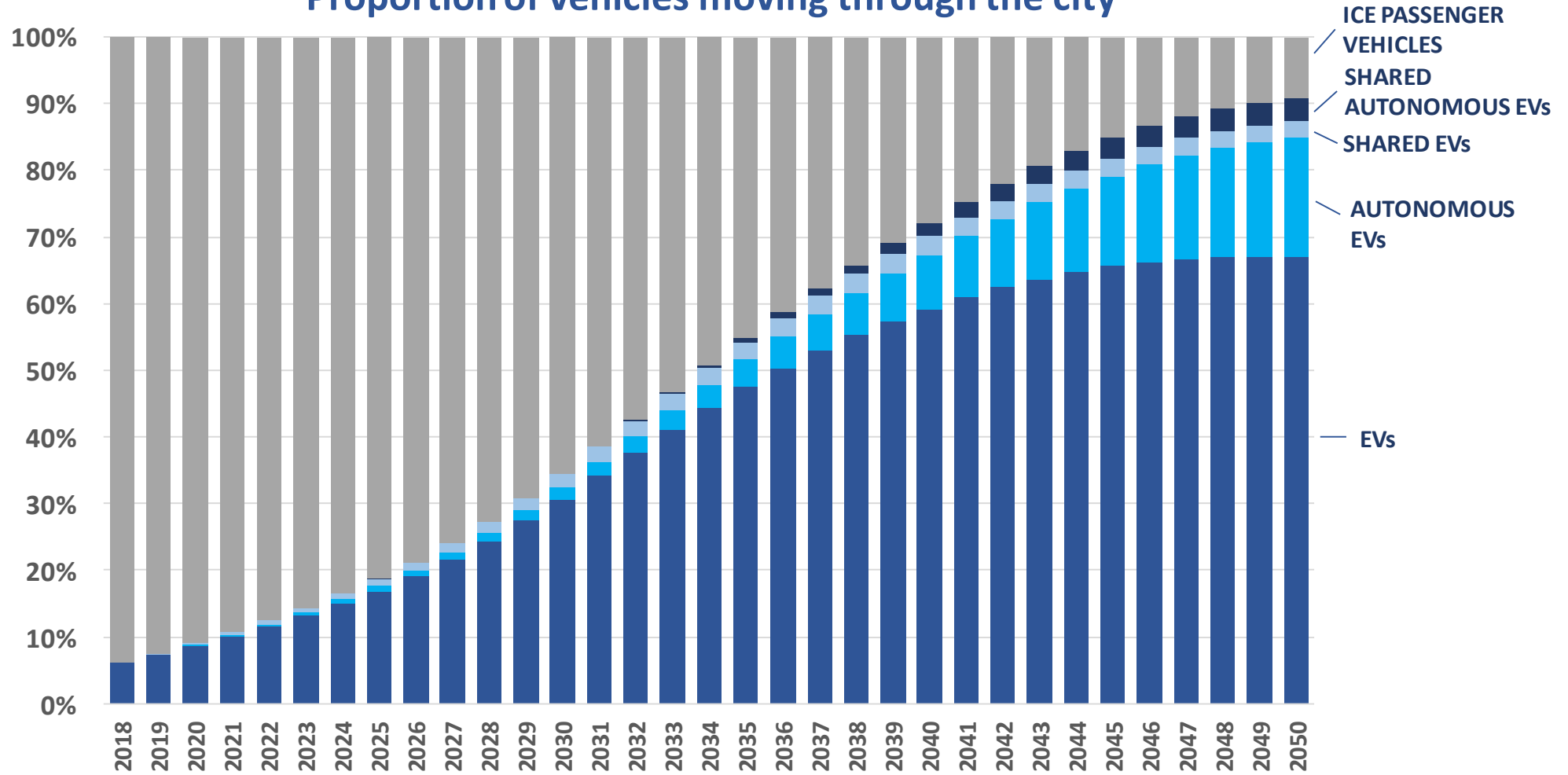


RENEWABLES AND ELECTRIFICATION: WORLD'S FIRST 1 GW SOLAR CITY, 2x IN NEXT 18 MONTHS

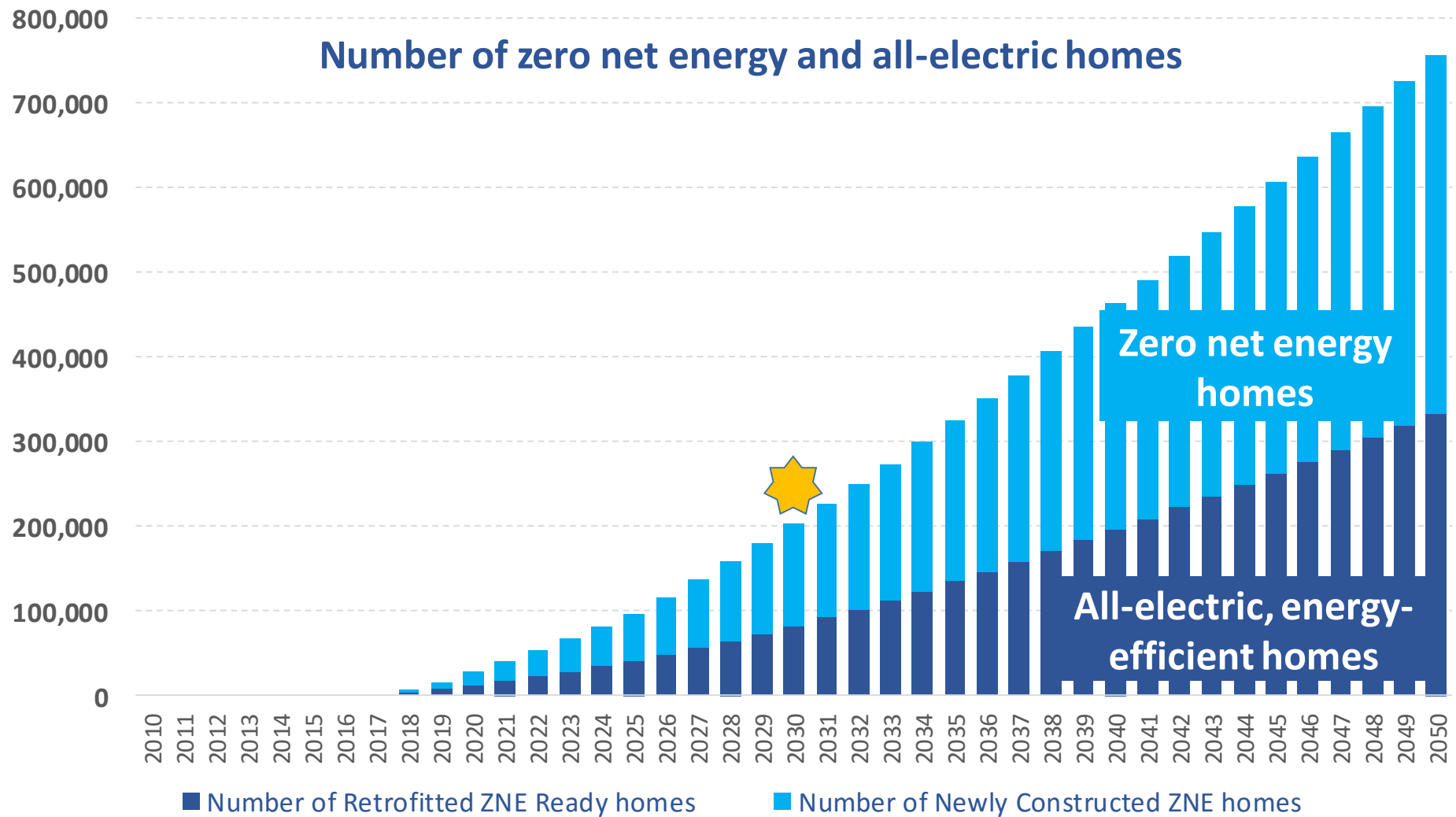


RENEWABLES AND ELECTRIFICATION: ELECTRIC CAR CAPITAL OF THE UNITED STATES

Proportion of vehicles moving through the city

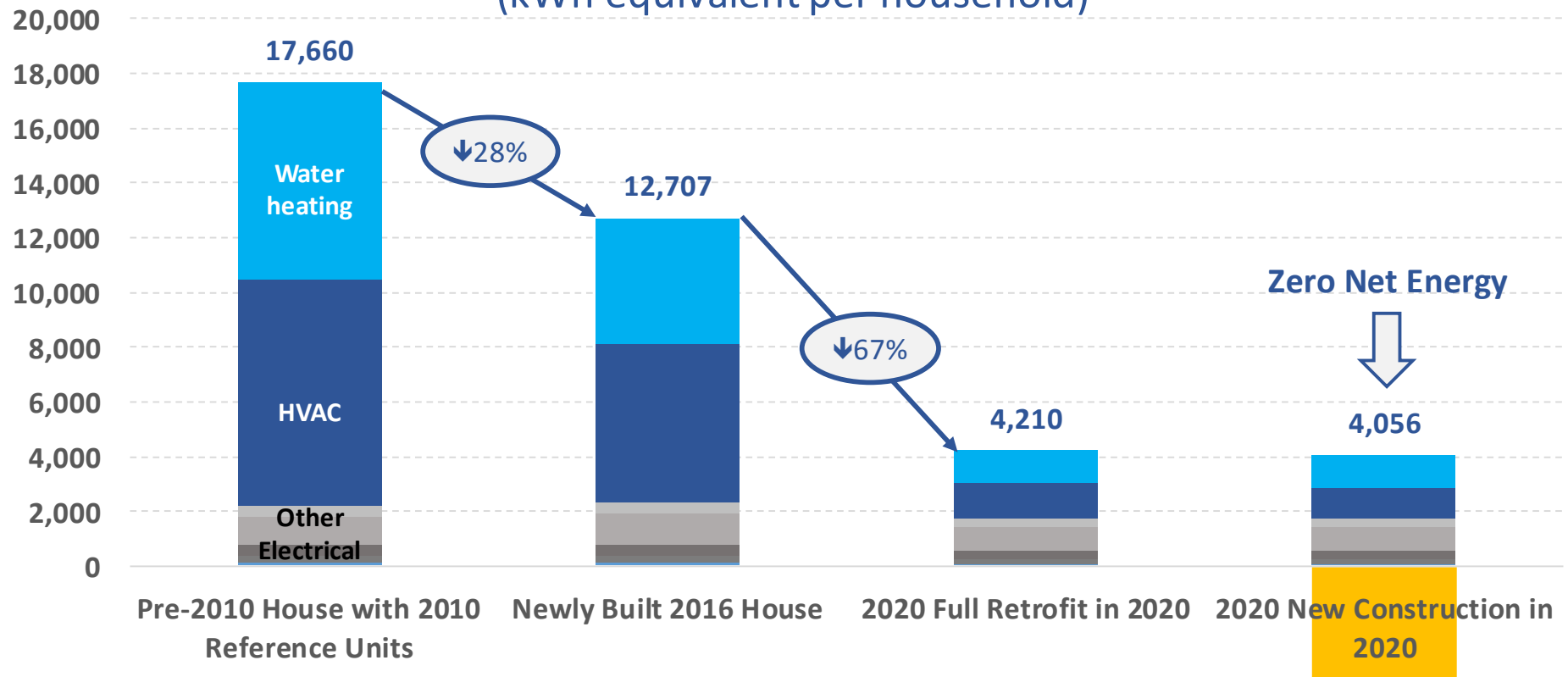


RENEWABLES AND ELECTRIFICATION: 100% OF NEW HOMES ZNE AND 25% RETROFITTED

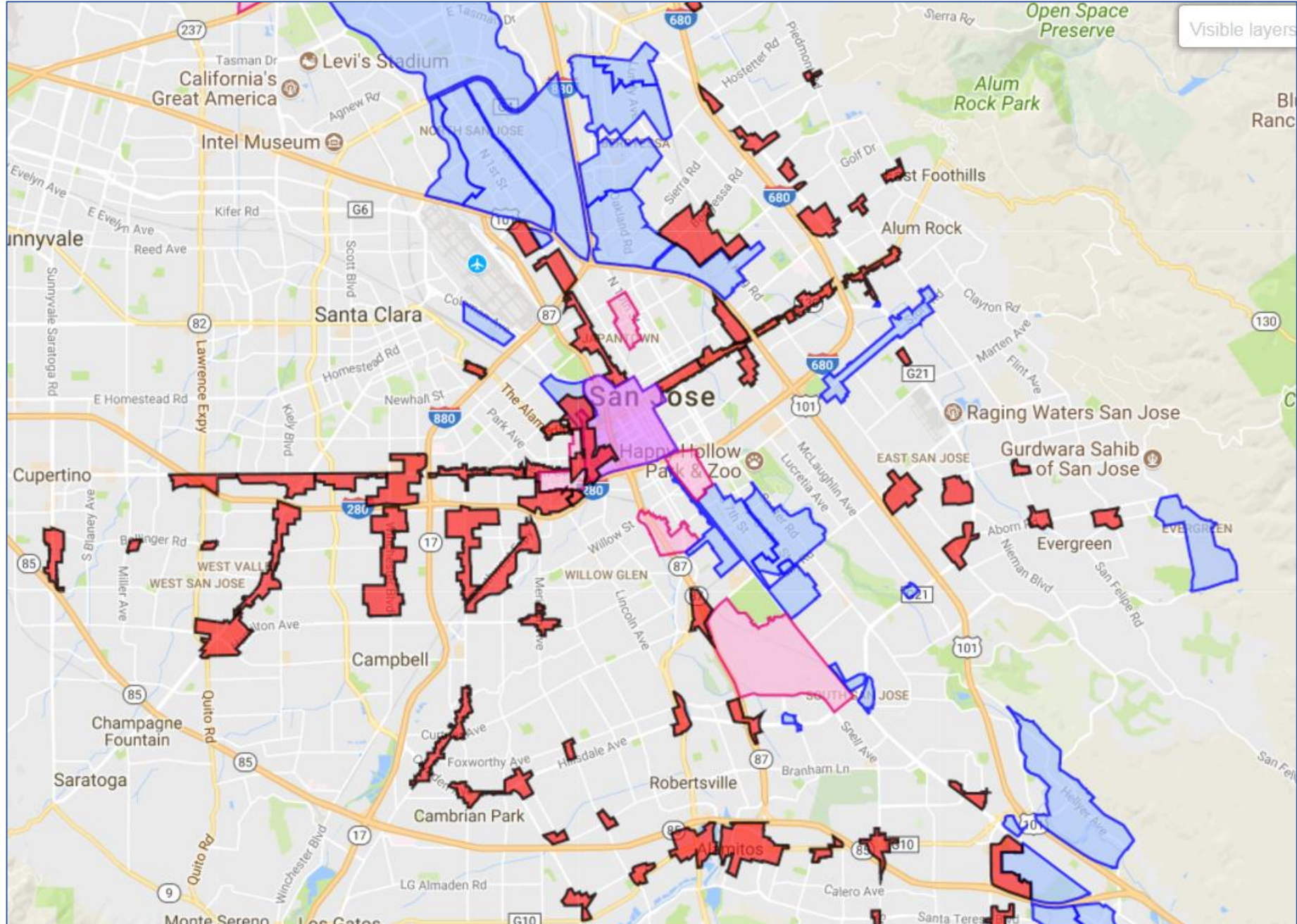


RENEWABLES AND ELECTRIFICATION: 100% OF NEW HOMES ZNE AND 25% RETROFITTED

Average annual residential energy consumption
(kWh equivalent per household)

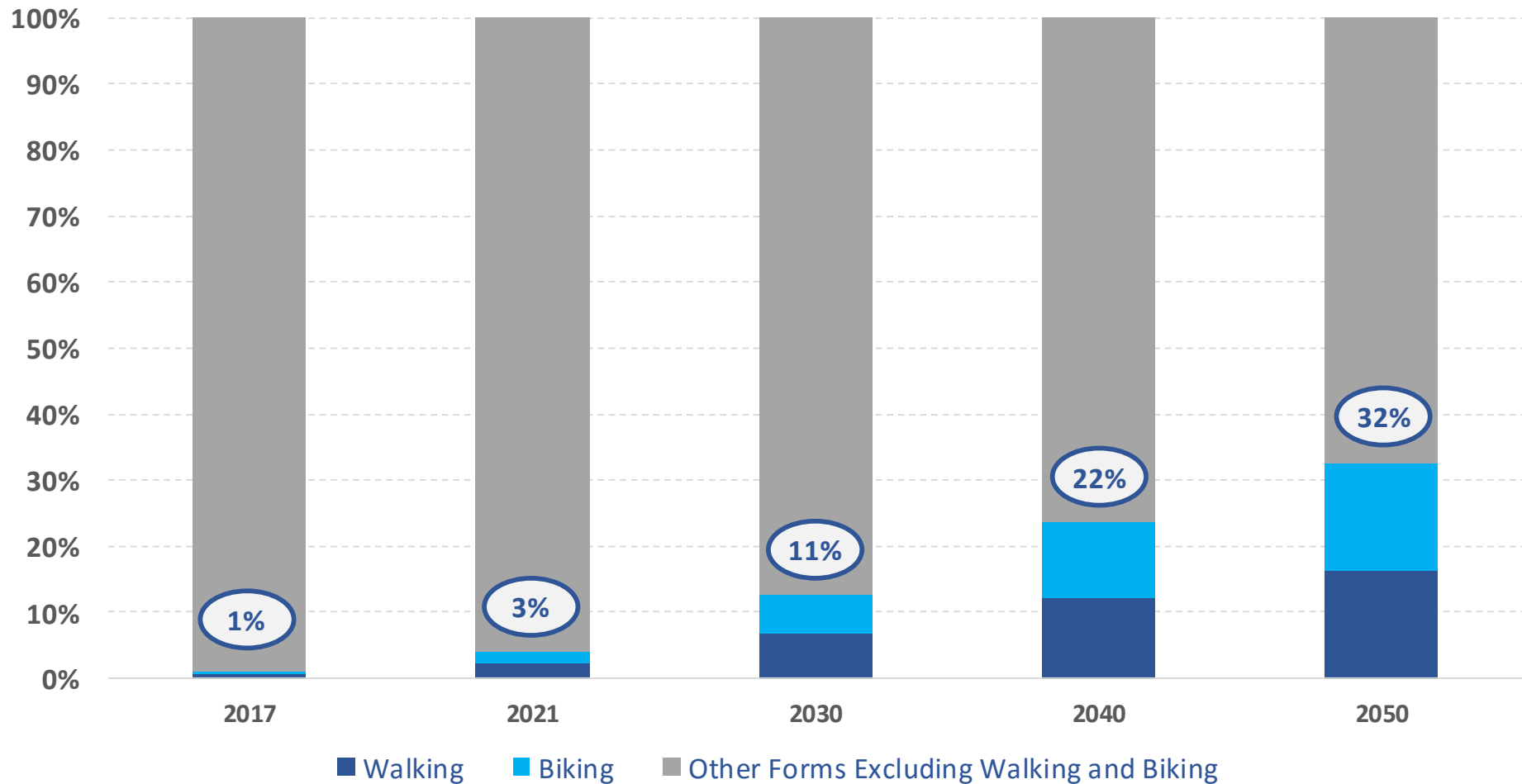


WORK TOWARDS OUR FOCUSED GROWTH TARGET: 40,000 DUs IN URBAN VILLAGES AND GROWTH AREAS



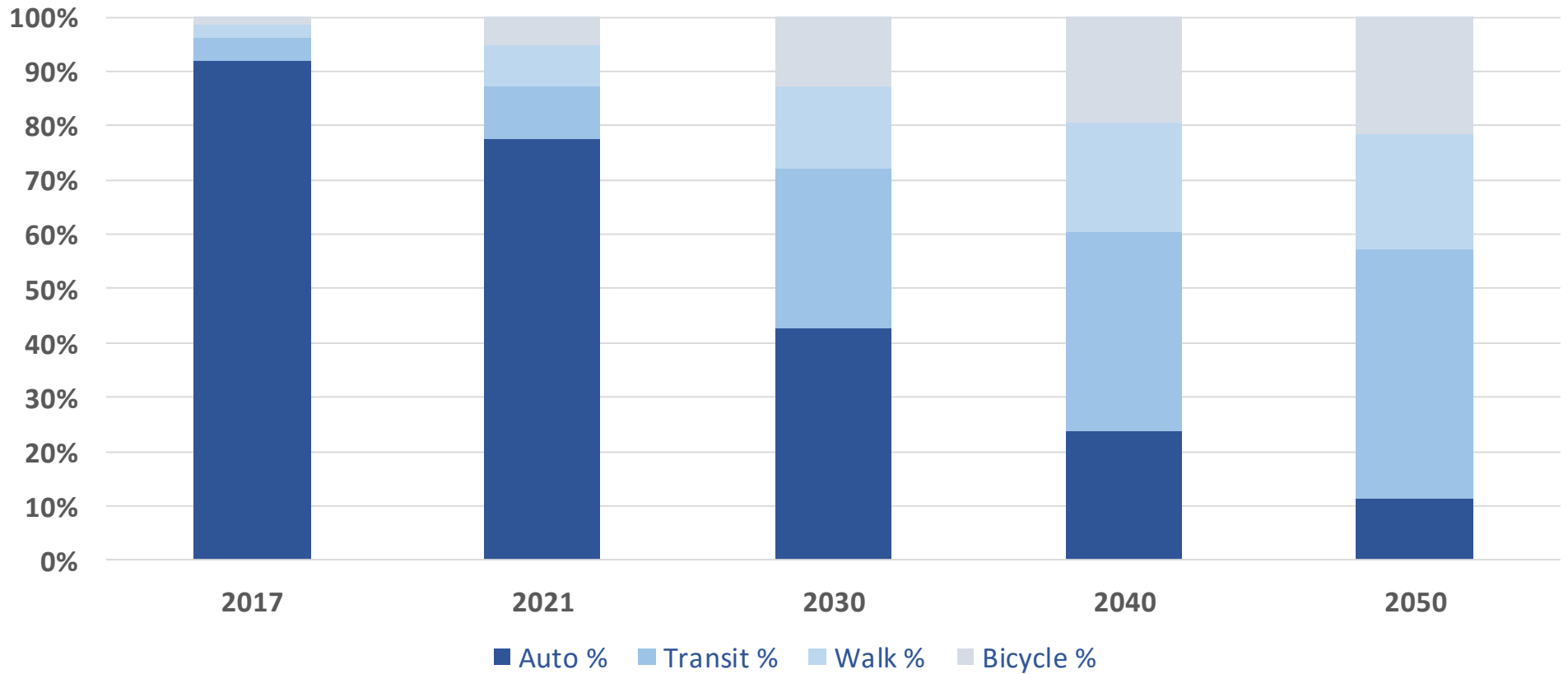
WORK TOWARDS OUR FOCUSED GROWTH TARGET: 40,000 DUs IN URBAN VILLAGES AND GROWTH AREAS

Proportion of trips in San José made by walking and biking

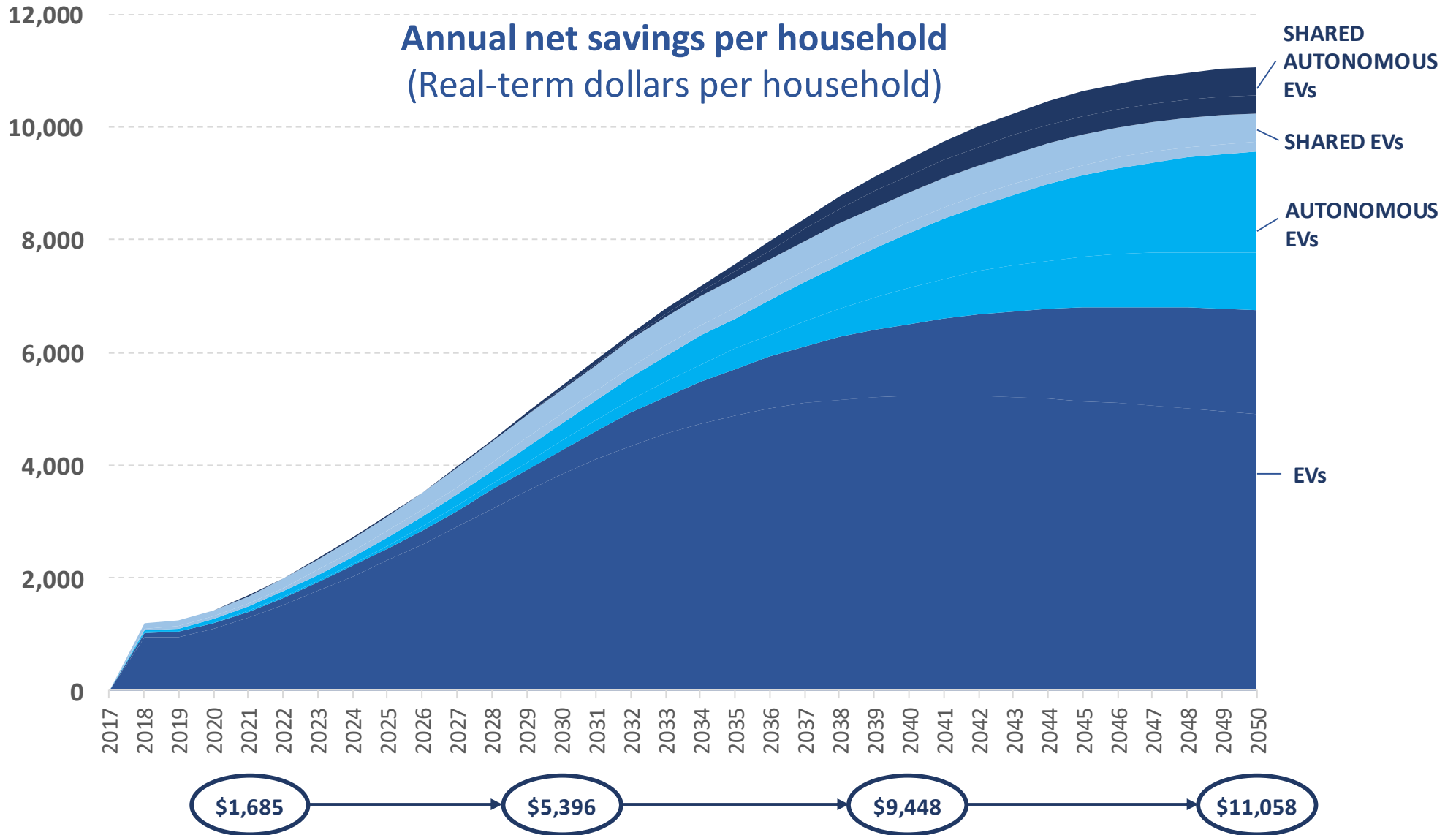


REDUCE PER CAPITA VMT: 4 OUT OF 10 COMMUTE TRIPS IN SOVs

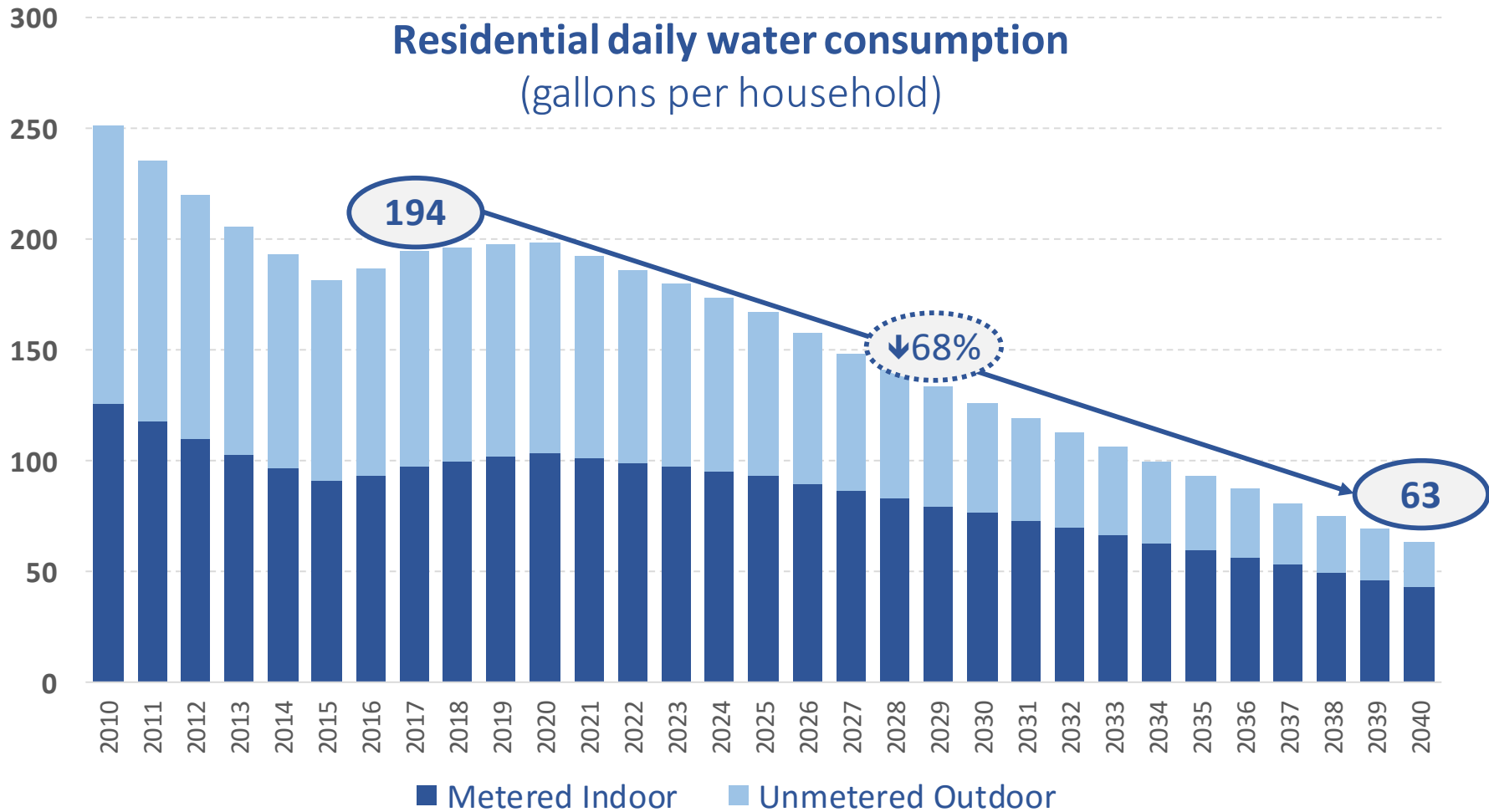
Commute Trip Breakdown



REDUCE PER CAPITA VMT: 4 OUT OF 10 COMMUTE TRIPS IN SOVs



REDUCE PER CAPITA WATER USE: REDUCE RESIDENTIAL WATER USE BY 30%



THIS HELPED US COMPILE A LONG LIST OF SUSTAINABILITY MEASURES

80+

Documents we've reviewed

88

City benchmarks

119

Expert survey responses

100

Town hall attendees

710

Ideas for sustainability measures

...WHICH WAS NARROWED DOWN TO A SHORTER LIST OF 53 CLIMATE AND WATER MEASURES

 San José Clean Energy  Distributed solar generation	 Commercial building energy efficient HVAC new-build  Commercial building HVAC recommissioning  Commercial building LED lighting  Commercial building data center energy efficiency  Residential dishwasher efficiency	 Large pick-up EVs  Local delivery EVs  Hybrid heavy goods vehicle (HGVs)  Electric heavy goods vehicle (HGVs)  CNG heavy goods vehicle (HGVs)	 Creating local jobs  Densification / focused growth	 Aerated faucets commercial buildings  Low flush toilets (commercial)  Commercial greywater reuse
<p>ENERGY</p> <p>SJCE</p>  Energy efficient electronics  Energy efficient refrigerators  Gas to electric stove replacement  Gas to electric water heater replacement  Gas to electric ground source heat pumps  Smart thermostats  Residential building thermal envelope retrofit  Residential building thermal envelope new-build  Commercial building thermal envelope retrofit  Commercial building thermal envelope new-build	<p>Electric vehicles</p>  Passenger car EV  SUV EV  Passenger car autonomous EV  SUV autonomous EV <p>Autonomous vehicles</p>  Ride-sharing shuttles  Ride-sharing autonomous cars  Ride-sharing autonomous shuttles	<p>Public transport</p>  Caltrain electrification  BART extension  California High Speed Rail  VTA Bus Rapid Transit and Light Rail  VTA Next Network and future bus expansion  City Bike Plan	<p>Land Use</p> <p>Walkable neighborhoods incl. Streets for People</p>  Drip irrigation in landscaping  Rainwater storage  Low flow showers  Showers instead of baths  Aerated faucets in homes  Fixing leaks in homes  Residential greywater  Residential toilets (residential)	

KEY

- ENERGY
- TRANSPORT
- LAND USE
- WATER