



IIJA

INFRASTRUCTURE INVESTMENT AND JOBS ACT

CARBON REDUCTION PROGRAM ACTION PLAN

OCTOBER 2022

BACKGROUND

The Infrastructure Investment and Jobs Act (IIJA, P.L.117-58) is a federal bill that addresses provisions related to Federal-aid highway, transit, highway safety, motor carriers, research, hazardous materials, and rail programs of the U.S. Department of Transportation (U.S. DOT). It also includes federal policy direction and funding in the areas of climate action, zero-emission vehicle deployment, social equity, goods movement, and multi-modal transportation investment sought by the California State Transportation Agency (CalSTA) and many California transportation stakeholders.

CalSTA is leading the statewide IIJA Transportation Implementation Working Group which is comprised of state and local transportation agencies, the Federal Highway Administration, and other transportation stakeholders. Each entity plays a vital role in implementing this new law and should work collectively to develop a common understanding of IIJA and develop action plans for successful implementation.

The Carbon Reduction Program (CRP) is a new formula program introduced in IIJA. The CRP is intended to reduce transportation emissions, defined as carbon dioxide (CO₂) emissions, from on-road highway sources. The program requires the development of a State Carbon Reduction Strategy in consultation with MPOs by November 2023, and makes funding available for projects, programs, technologies, and strategies designed to reduce transportation emissions. The estimated five-year total CRP funding for California is \$555,295,299.

Caltrans developed and published the draft strategy in July 2023. Public comments were accepted through August 18, 2023. The final Carbon Reduction Strategy was submitted to the Federal Highway Administration (FHWA) on November 15, 2023. FHWA final review and approval is expected to take 90 calendar days.

IIJA SUB-WORKING GROUP PURPOSE

Caltrans senior staff is leading 14 Sub-Working Groups who have been tasked with developing questions and answers for the U.S. Department of Transportation (U.S. DOT), discussing federal guidance, and having in-depth discussions on specific policy areas like Active Transportation, Transit and Rail, Goods and Movement, Tribal Transportation, Social Equity, and other policies that may impact transportation and infrastructure in California. The Sub-Working Groups will also develop IIJA Implementation Action Plans for the federal programs within their respective policy areas.

Reimagining Highway Investments/ Carbon Reduction Program Sub-Working Group

The Reimagining Highway Investments/ Carbon Reduction Program Sub-Working Group includes representatives from Caltrans, California Air Resources Board, regional and local transportation agencies, the Federal Highway Administration, the University of California's Institute for Transportation Studies, environmental advocates, and other transportation stakeholders. The purpose of the group is to develop a shared understanding of the intent and technical requirements of the new Carbon Reduction Program, to promote collaboration amongst stakeholders, and to coordinate the development of the CRP Strategy document.

SUB-WORKING GROUP SCOPE

The Reimagining Highway Investments/Carbon Reduction Program Sub-Working Group was established on January 28, 2022. This is a platform for state/local agencies as well as other stakeholders to come together to exchange their knowledge, expertise, and experiences so they can identify priorities, potential risks, and play a vital role in successfully implementing Carbon Reduction Program specific provisions of IIJA.

GOALS AND DESIRED OUTCOMES

1. Develop a comprehensive understanding of the IIJA Carbon Reduction Program
2. Develop an Action Plan for the Sub-Working Group
3. Coordinate the creation of the Statewide Carbon Reduction Strategy document in consultation with MPOs and other stakeholders
4. Determine means to meaningfully evaluate and measure progress towards the reduction of CO₂ emissions
5. Provide technical assistance to support development and implementation of carbon reduction projects and strategies
6. Provide input to the implementation of demonstration projects of pricing strategies that can contribute toward carbon reduction with any area funds

IDENTIFIED ISSUES

Potential threats and issues that may limit the availability or accessibility of IIJA funding are:

- Identifying eligible projects or project components ready to obligate funds within the 5-year time frame
- Time lag in FHWA/Census identifying boundaries for fund distribution for urban areas with a population not less than 5,000 and not more than 49,999; and in other areas of the State with a population of less than 5,000 (Local Share)
- Address situations where local agency apportioned amount is too small to reasonably fund a fed-aid project (Local Share)

OPPORTUNITIES

- Leverage funding and meet state, local, and/or regional transportation goals for carbon reduction
- Statewide coordination to identify and implement strategies that reduce the transportation emissions of carbon dioxide
- Prioritizing eligible, carbon-reducing pricing pilot projects

RECOMMENDATIONS

Recommendations will be identified throughout the CRP Strategy development process

ACKNOWLEDGEMENTS

We would like to thank the following individuals and organizations for their participation in the Sub-working Group and input in the preparation of this action plan.

Name	Organization	Name	Organization
Aaron Kurz	Assembly	Kristin Jacinto	OCTA
Adriann Cardoso	OCTA	Laura Pennebaker	CATC
Amber Collins	Calaveras Council of Governments	Liz O'Donoghue	TNC
Andrew Dohrmann	T.Y. Lin International	Lori Pepper	CalSTA
Anup Tapase	Bay Area Metro	Mallory Atkinson	Bay Area Metro
Ben Ku	OCTA	Matt Baker	Planning & Conservation League
Carolyn Clevenger	Alameda CTC	Matthew Yosgott	CATC
Chris Dougherty	SACOG	Maura Twomey	AMBAG
Christine Casey	Assembly	Melissa White	Senate
Daryl Halls	Solano Transit Authority	Michelle Glickert	TRPA
David Knudsen	RCTC	Mike Woodman	NCTC
David Azevedo	AARP California	Nancy Pfeffer	Gateway Cities COG
Eleanor Torres	POLB	Nick Haven	TRPA
Elisabeth Hahn	STANCO	Nicole Cheng	ClimatePlan
Felipe Fuentes	The Apex Group	Paul Golaszewski	CTC
Greg Nord	OCTA	Rosa Park	STANCOG
Heidi Busslinger	OCTA	Samuel Johnson	TCA
Charles Roberts	HCG	Sarkes Khachek	SBCAG
Hilary Fong	HCG	Stephanie Hu	CCTA
James Andrew	LA Metro	Ted Link-Oberstar	Senate
James Cameron	SCTA	Ted Smalley	TCAG
Jerry Barton	EDCTC	Tess Lengyel	Alameda CTC
Jesse Bhullar	Caltrans – Traffic Operations	Tilly Chang	SFCTA
Julia Kingsley	Assembly	Troy McNeil	Madera CTC
Katie Bonin	Senate	Valarie McFall	TCA
Kiana Valentine	Transportation California	Warren Whiteaker	OCTA
		Will Barrett	American Lung Association in California

ACKNOWLEDGEMENTS

Zoe Unruh	<i>LA Metro</i>	Valarie McFall	<i>Transportation Corridor Agencies</i>
Hana Creger	<i>Greenlining Institute</i>	David Matza	<i>Transportation Corridor Agencies</i>
Jennifer Tendick	<i>CALCOG</i>	John Mikulin	<i>EPA</i>
Hina Chanchlani	<i>SCAG</i>	Hiba El-Guindy	<i>SAMTRANS</i>
Emily Heard	<i>SFMTA</i>	Nirit Glazer	<i>Looking Bus</i>
Heather Miller	<i>Ventura County Transportation Commission</i>	Chris Cannon	<i>Port of LA</i>
Adam Millard-Ball	<i>UCLA</i>	Kerry Cartwright	<i>Port of LA</i>
Sabbie A. Miller	<i>UC Davis</i>	Linda Hunter	<i>Rincon Consultants, Inc.</i>
Michael Hyland	<i>UC Irvine</i>	Alec Ward	<i>EBCE</i>
Grecia Elenes	<i>Leadership Counsel for Justice and Accountability</i>	Andrew Ross	<i>LADPW</i>
Amber Crabbe	<i>SFCTA</i>	Asaf Nagler	<i>ABB</i>
Leah Fisher	<i>Caltrans DOTP</i>	Bill Higgins	<i>CalCOG</i>
Steve Smith	<i>SBCTA</i>	Danielle Lee	<i>Terawatt Infrastructure</i>
Paul Hernandez	<i>East Bay Energy</i>	David Schlosberg	<i>Terawatt Infrastructure</i>
Leslie Baroody	<i>CARB</i>	Maggie Witt	<i>UC ITS</i>
Alex Estrella	<i>SANDAG</i>	Kristine Cai	<i>Fresno Council of Governments</i>
Zhen Dai	<i>CARB</i>	Ryan McCarthy	<i>Weideman Group</i>
Genevieve Morelos	<i>Assembly Budget Committee</i>	Doreen Morrissey	<i>Planning and Modal Programs, Caltrans</i>
Ivan Garcia	<i>BCAG</i>	Alma Barreras	<i>Weideman Group</i>
Brad Groters	<i>BEAM</i>	Liya Rechtman	<i>Legislative Liaison, Caltrans</i>
Antonio Johnson	<i>DOT</i>	Justin Hurst	<i>Student assistant, Caltrans</i>
Patrick Pittenger	<i>DOT</i>	Danielle Lee	<i>Terawatt Infrastructure</i>
Jasmine Amanin	<i>DOT</i>	David Schlosberg	<i>Terawatt Infrastructure</i>
Joseph Vaughn	<i>DOT</i>	Lindsey Hart	<i>Caltrans</i>
Michael Morris	<i>DOT</i>	Monique Webster	<i>Caltrans</i>
Charlene Lee Lorenzo	<i>DOT</i>	Michel Rosson	<i>SACOG</i>
Ted Matley	<i>DOT</i>	Jeff Findley	<i>Madera CTC</i>
Nadav Gur	<i>Port Power</i>		

ACKNOWLEDGEMENTS

Amy Thomson	<i>Transform CA</i>
Kristina Svensk	<i>SACOG</i>
Steve Cruz	<i>Cruz Strategies</i>
Stephanie Estrada	<i>Cruz Strategies</i>
Bob Baca	<i>Office of Federal Programs</i>
Nicholas Dybas	<i>Madera CTC</i>
Jeff Findley	<i>Madera CTC</i>
Dylan Stone	<i>Madera CTC</i>
Mikhael Skvarla	<i>Gualco Group</i>
Karishma Becha	<i>Caltrans</i>
Steve Wallauch	<i>Platinum Advisors</i>
Robert W. Peterson	<i>Caltrans</i>
Sujaya Kalainesan	<i>Caltrans</i>
Bob Baca	<i>Caltrans</i>
Nick St. Cook	<i>StanCOG</i>
Maggie Witt	<i>UCITS</i>
Susan Shaheen	<i>UCITS</i>
Laura Podolsky	<i>UCITS</i>

