

Overview of All Priority GHG Reduction Strategies

Ref#	Objective	Priority GHG Reduction Strategy
DE2	Decarbonize Energy Sources	Increase renewable energy supply and energy storage capacity for residential, commercial, municipal, institutional and industrial electricity use.
BE1	Optimize Building Energy	Engage <i>residential</i> utility customers to optimize building <i>efficiency</i> leveraging residential energy assessments, energy efficiency rebates, incentives, tax credits and weatherization, housing rehab, and energy assistance programs.
BE2	Optimize Building Energy	Engage <i>residential</i> utility customers to <i>electrify</i> space and water heating leveraging residential energy assessments, rebates, incentives, tax credits and weatherization and energy assistance programs.
BE3	Optimize Building Energy	Engage <i>commercial, institutional, and industrial</i> utility customers to optimize building <i>efficiency</i> leveraging tools and programs such as facility assessments, energy management, retrocommissioning, demand response, performance contracting, energy efficiency rebates, incentives, tax credits, and PACE financing.
BE4	Optimize Building Energy	Engage <i>commercial, institutional, and industrial</i> utility customers to <i>electrify</i> buildings leveraging tools and programs such as facility assessments, energy management, rebates, incentives, tax credits, direct pay and PACE financing.
BE6	Optimize Building Energy	Manage non-CO2 GHG emissions including CH4, HFC, SF6 and others through improved industrial processes, alternative solutions, efficiency, leak detection and reduction, and recovery.
DT7	Decarbonize Transportation	Transition transit trains, buses and related service equipment to low and zero-emission operation through equipment replacement and clean fueling infrastructure investments.
DT9	Decarbonize Transportation	Transition medium and heavy duty freight vehicles and non road equipment to low and zero-emission equipment through vehicle replacement and clean fueling infrastructure investments.
DT11	Decarbonize Transportation	Reduce freight vehicle and train idling by managing loading/unloading queues, decreasing the number of at-grade crossings through capital projects, idling control technologies, modernizing auxillary power and refrigeration systems.
DT15	Decarbonize Transportation	Transition gas-powered landscaping equipment to low and zero emissions models.
VMT1	Reduce Vehicle Miles Traveled	Establish a regional network of mobility hubs and expand shared micromobility and electric micromobility systems.
W1	Manage Water and Waste Sustainably	Capture biogas and convert to energy.
W3	Manage Water and Waste Sustainably	Increase composting and biological treatment of waste. Utilize energy and biosolid by-products.



Ref#	Strategy	GHG Reduction			Authority to Implement			LIDAC Considerations
		Potential	Key implementers	Timeline	Scale	Performance Indicators		
L1	Establish local sustainability targets that support regional climate objectives.	Enabling	Local, county governments, transit agencies, utilities	0-3 yrs	Local, regional	Existing	Adoption of local and regional sustainability targets	Engage diverse civic leaders in target-setting and implementation. Prioritize targets that address equity.
L2	Build and support a resilient workforce and local economy that creates green jobs and supports climate objectives.		State, county, local governments, non-profits, private sector	1-3 yrs	Local		Creation and retention of green jobs, workforce programs. Share of jobs accessible to vulnerable populations.	Provide access to green jobs prioritizing DACs and vulnerable populations; preserve local retail and services in DACs.
L3	Integrate smart technology into operations to effectively manage resource consumption.		Local, county governments, utilities, tech industry	2-5 yrs			Adoption of smart technology	Prioritize smart technology investments in vulnerable communities.
L4	Adopt the Greenest Region Compact and a GRC-based sustainability plan or local climate action plan with local targets aligned with the regional climate objectives.		Local and county governments	0-3 yrs		Local ordinance	Adoption and implementation of the GRC. Development of local plans	Tailor plans to the needs of vulnerable communities
L5	Demonstrate sustainability in government operations, purchasing, and through public events.			0-5+ yrs	Existing	Development and implementation of sustainable government policies	Prioritize small and minority-owned vendors.	
L6	Provide funding and/or technical assistance to support GHG emissions reduction plans and projects.		State, county, local governments, non-profits, regional organizations	0-4 yrs		Regional	Number of projects completed	Prioritize investment to benefit DACs

Co-benefits

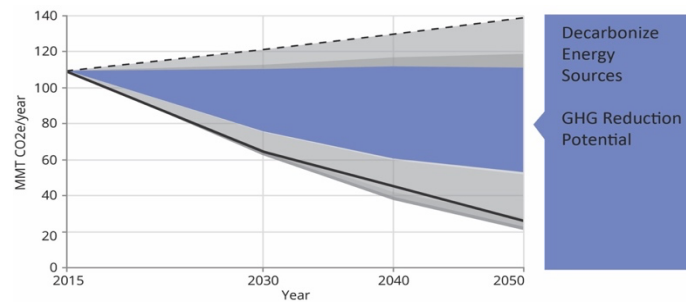
L1	Local energy, water conservation, and waste reduction targets aligned; collaborative and accelerated GHG reduction
L2	Local green jobs and sustainable businesses; local production and consumption; reduced transportation costs
L3	Improved operational performance through smart technology
L4	Local plans guide effective action
L5	Leading by example inspires followers and cooperation across sectors; informed and engaged constituents
L6	Energy, water conservation, and waste reduction targets aligned; collaborative implementation and accelerated GHG reduction

DECARBONIZE ENERGY SOURCES

Ref#	Strategy	GHG Reduction		Timeline	Scale	Authority to Implement	Performance Indicators	LIDAC Considerations
		Potential	Key implementers					
DE1	Bolster capacity of the distribution system to integrate distributed energy resources (DER) and invest in renewable energy (RE) infrastructure, including interconnection, distribution, microgrids, and storage capacity.	High	Utilities, clean energy industry, state government	0-5+ yrs	Local, regional	Existing	Development of DER and supportive infrastructure. Expansion of RE capacity.	Prioritize investment to serve disadvantaged communities (DACs).
DE2	Increase RE supply and energy storage capacity for residential, commercial, municipal, institutional, and industrial electricity use.		Local, county, state governments; utilities; property owners; clean energy industry				RE supply and storage capacity for all sectors	Prioritize equitable access to clean energy. Create clean energy jobs in DACs.
DE3	Improve and expand electricity transmission infrastructure.		State governments, regional transmission organizations, utilities		Regional	State, federal approval	Grid capacity, reliability and efficiency.	Support clean energy jobs training for displaced fossil fuel workers.
DE4	Accelerate and broaden decarbonization of the grid throughout the MSA inclusive of all power supply to the region.		Utilities, state and federal regulators, investors				RE and zero emissions generation capacity	Replace coal and gas-fired power to improve air quality for communities in transition. Support clean energy jobs training for displaced workers.
DE5	Procure clean energy for municipal and industrial operations.	Low	State and local governments, industry	0-4 yrs	Local	Existing	Load shift to clean energy supply	Prioritize access to clean energy jobs in DACs.
DE6	Engage the community to choose clean energy through procurement, aggregation, community solar, and other collaborative programs and by participating in financing, rebate, and incentive programs.	Enabling	Local, county, state governments; regulatory agencies; clean energy industry; non-profits		Local, regional		Investment in clean energy. Participation in programs and improved access to RE.	Provide equitable access to clean energy. Reduce household energy burden.
DE7	Support renewable district energy solutions	High	Local, county, state governments; utilities, private sector.		5+ yrs	Unsure	R&D and pilot project	Reduce long-term energy burden.

Co-benefits

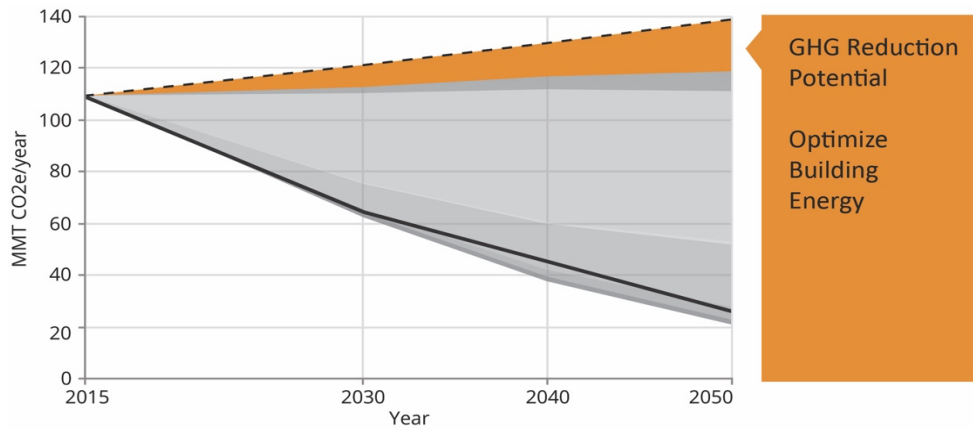
DE1	Modernized, efficient electric grid; resilient distributed generation; thriving RE industry; reduced long-term utility costs; create clean energy jobs
DE2	
DE3	
DE4	Elimination of fossil-fuel generated electricity; increase in utility-scale RE and zero emissions power generation
DE5	Thriving RE industry; informed energy consumers
DE6	
DE7	Increased resilience and efficiency, reduced long-term costs



OPTIMIZE BUILDING ENERGY

Ref#	Strategy	GHG Reduction			Scale	Authority to Implement	Performance Indicators	LIDAC Considerations
		Potential	Key implementers	Timeline				
BE1	Engage <i>residential</i> utility customers to optimize building <i>efficiency</i> leveraging residential energy assessments, energy efficiency rebates, incentives, tax credits and weatherization, housing rehab, and energy assistance programs.	High	Local and county government, home owners, building owners, utilities, clean energy industry, CAAs, nonprofits	0-5+ yrs	Local, regional, state	Existing	Investments made. Energy and cost savings achieved.	Prioritize investment in DACs, multi-family housing, and where populations are vulnerable to poor indoor air quality. Reduce household energy burden. Provide energy savings information in all languages and formats.
BE2	Engage <i>residential</i> utility customers to <i>electrify</i> space and water heating leveraging residential energy assessments, rebates, incentives and tax credits and weatherization and energy assistance programs.						Investments made. Demand shifted from gas to electric energy.	
BE3	Engage <i>commercial, institutional, and industrial</i> utility customers to optimize building <i>efficiency</i> leveraging tools and programs such as facility assessments, energy management, retrocommissioning, demand response, performance contracting, energy efficiency rebates, incentives, tax credits, and PACE financing.		Utilities, businesses, local government, institutions	1-5 yrs	Local, regional		Investments made. Energy and cost savings achieved.	Prioritize investment in DACs. Cost savings to protect jobs.
BE4	Engage <i>commercial, institutional, and industrial</i> utility customers to <i>electrify</i> buildings leveraging tools and programs such as facility assessments, energy management, rebates, incentives, tax credits, direct pay and PACE financing.						Investments made. Demand shifted from gas to electric energy.	Prioritize investment in DACs and where workers are exposed to poor air quality.
BE5	Retrofit public buildings, facilities, and streetlights for maximum efficiency.	Medium	Local government, utilities, clean energy industry	0-4 yrs	Local		Investments made. Energy and cost savings achieved.	Reduce franchise fee burden in DACs.
BE6	Manage non-CO2 GHG emissions including CH4, HFC, SF6 and others through improved industrial processes, alternative solutions, efficiency, leak detection and reduction, and recovery.	High	Federal, state, local government, businesses	0-5 yrs	Local, regional		Investments made. Reduction in the use of high GWP refrigerant.	Prioritize investment in DACs. Cost savings to protect jobs.

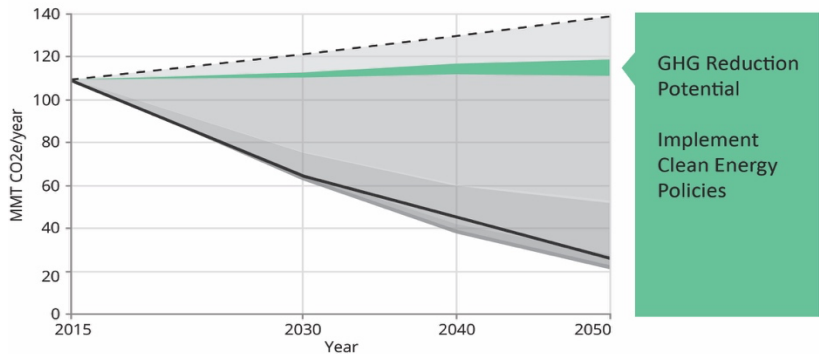
Ref#	Strategy	Co-benefits
BE1	Engage <i>residential</i> utility customers to optimize building <i>efficiency</i> leveraging residential energy assessments, energy efficiency rebates, incentives, tax credits and weatherization, housing rehab, and energy assistance programs.	Improved indoor air quality; increases impact of grid decarbonization
BE2	Engage <i>residential</i> utility customers to <i>electrify</i> space and water heating leveraging residential energy assessments, rebates, incentives and tax credits and weatherization and energy assistance programs .	
BE3	Engage <i>commercial, institutional, and industrial</i> utility customers to optimize building <i>efficiency</i> leveraging tools and programs such as facility assessments, energy management, retrocommissioning, demand response, performance contracting, energy efficiency rebates, incentives, tax credits, and PACE financing.	Improved performance of facilities, long-term cost savings. Increases impact of grid decarbonization.
BE4	Engage <i>commercial, institutional, and industrial</i> utility customers to <i>electrify</i> buildings leveraging tools and programs such as facility assessments, energy management, rebates, incentives, tax credits, direct pay and PACE financing.	Improved indoor air quality; increases impact of grid decarbonization
BE5	Retrofit public buildings, facilities, and streetlights for maximum efficiency.	Reduced energy costs; improved building performance; resilient facilities
BE6	Manage non-CO2 GHG emissions including CH4, HFC, SF6 and others through improved industrial processes, alternative solutions, efficiency, leak detection and reduction, and recovery.	High emissions reduction benefits vulnerable populations.





Ref#	Strategy	GHG Reduction		Timeline	Scale	Authority to Implement	Performance Indicators	LIDAC Considerations
		Potential	Key implementers					
EP1	Support robust building energy conservation codes, benchmarking, building performance standards and data transparency to optimize energy efficiency	Enabling	Local, state, county governments, International Code Council (ICC)	0-5+ yrs	Local	Dependent on ICC and state government.	Adoption of effective energy conservation codes at state, local level	Reduce long-term energy burden. Prioritize code adoption and compliance for LIDAC
EP2	Incentivize and encourage high performance, all-electric, and net zero new building construction.	High	Local governments, developers, clean energy industry, utilities	0-5 yrs	Local	Local control allowable in IL.	Reduction in natural gas demand. All-electric homes and buildings.	Reduce long-term energy burden and improve indoor air quality. Prioritize affordable housing and LIDAC.
EP3	Modernize municipal franchise agreements to leverage investment in clean energy and reduce costs to residents.	Enabling	Utilities, municipal government	0-5+ yrs	Local	Requires agreement between utility and municipal government	Modernized franchise agreements	Eliminate franchise cost to residents.
EP4	Adapt zoning codes and streamline development processes to accelerate investment in solar, other renewable energy systems and energy storage.	Enabling	Local government, utilities	0-3 yrs	Local	Existing	Permits issued for on-site RE and energy storage.	Reduce soft costs to improve access to clean energy. Reduce household energy burden.
EP5	Support state and federal policies to advance clean energy.	Enabling	Local, county, state governments, utilities, non-profit organizations.	0-5+ yrs	Local, state	Existing	Adoption of state RE and energy efficiency performance standards in IN.	Support equitable policies and just transition.

Co-benefits	
EP1	Reduced energy and water costs; improved long-term building performance; operational resilience; leverage private investment; demonstrate technology and design to achieve net-zero
EP2	
EP3	Clean energy investment in public facilities enabled.
EP4	Accelerated investment in solar; more affordable, safe and effective renewable energy systems; grid resiliency improved.
EP5	Thriving clean energy industry

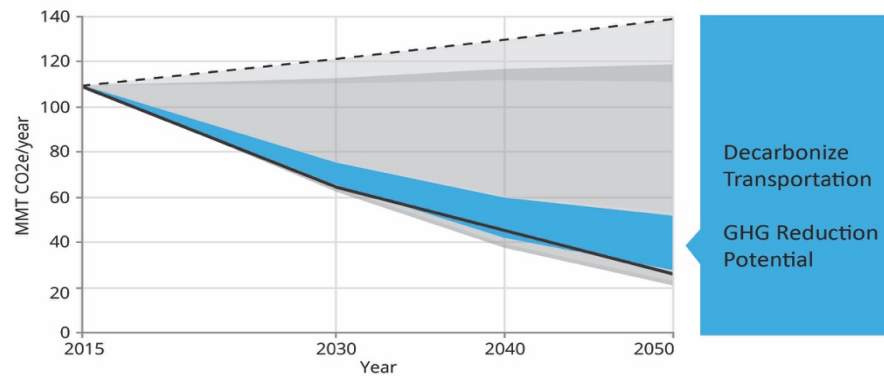


DECARBONIZE TRANSPORTATION

Ref#	Strategy	GHG Reduction		Key implementers	Timeline	Scale	Authority to Implement	Performance Indicators	LIDAC Considerations	
		Potential								
DT1	Support strong federal and state fuel efficiency standards.	High		Federal, state government	0-5+ yrs	National, state	Existing	Increased fuel efficiency	Protect vulnerable residents from tailpipe emissions. Reduce cost of operating a SOV.	
DT2	Enact and enforce anti-idling policies for passenger and commercial vehicles, freight, and transit.	Low		State, county, and local governments, school districts, transit agencies, private sector	0-2 yrs	Local	Local ordinance or state law	Adoption of anti-idling behaviors	Protect vulnerable residents from tailpipe emissions.	
DT3	Create accessible and reliable networks of electric vehicle (EV) chargers.	Enabling		Federal, state, and local government, EVCS industry	0-4 yrs	National, state	Existing	Number of accessible charging ports	Focus on publicly accessible corridor, workplace, and multi-family charging	
DT4	Adapt development processes to accelerate investment in electric and clean hydrogen fuel infrastructure.			Local government, electric utility	0-5 yrs	Local	Amend local ordinances	Codes and processes that enable investment in safe and accessible clean fueling infrastructure.	Support disadvantaged communities in preparing for clean fuel investment.	
DT5	Encourage the switch to electric passenger vehicles.	High		Federal, state, and local government, EV industry	0-5+ yrs	Regional	Existing	Growth in EV adoption.	Clean, safe, accessible transportation for all.	
DT6	Electrify car sharing and ridehailing services.	Low		State government, utilities, private sector	2-4 yrs	Local		Proportion of EVs in service		
DT7	Transition transit trains, buses and related service equipment to low and zero-emission operation through equipment replacement and clean fueling infrastructure investments.			Transit agencies, state government, utilities	0-4 yrs			Regional	Deployment of low/zero emissions fleets and fueling infrastructure	Protect vulnerable residents from tailpipe emissions. Focus investment to benefit DACs.
DT8	Transition public fleets to low and zero-emission vehicles through vehicle replacement and clean fueling infrastructure investments.			Local and state governments, transit agencies, utilities						
DT9	Transition medium and heavy duty freight vehicles and non road equipment to low and zero-emission equipment through vehicle replacement and clean fueling infrastructure investments.		High		State government, private sector	1-5 yrs		State, regional		
DT10	Increase the use and capacity of rail and waterborne freight systems through infrastructure investments and financial incentives.	Medium		State government, port authority, rail	2-4 yrs			Volume of freight cargo transportation by rail and water		

Ref#	Strategy	GHG Reduction		Key implementers	Timeline	Scale	Authority to Implement	Performance Indicators	LIDAC Considerations
		Potential							
DT11	Reduce freight vehicle and train idling by managing loading/unloading queues, decreasing the number of at-grade crossings through capital projects, idling control technologies, and modernizing auxiliary power and refrigeration systems.	Medium		Local, state governments, rail, private sector	1-5 yrs	Regional, local	Coordination across jurisdictions	Idling hours and fuel consumption reduced. Adoption of electric transport refrigeration units (eTRU)	Protect workers and vulnerable residents from tailpipe emissions. Focus investment to benefit DACs.
DT12	Strategically manage extended truck parking and invest in Truck Parking Information Systems (TPIS).	High		Local and state governments, private sector	3 years	Regional	Unsure	Idling hours and fuel consumption reduced. Adoption of TPIS	
DT13	Innovate freight delivery through curb management, clean freight-handling technologies, and last-mile and urban freight programs.	Medium		Local government, private sector	2-5 yrs	Local	Amend local ordinances	Establishment of innovative freight programs, VMT reduced	
DT14	Establish tracking and data gathering mechanisms for freight emissions.	Enabling		Regional agency, academia	1-3 yrs	Regional	Existing	Quality and quantity of data available	Track impacts on DAC
DT15	Transition gas-powered landscaping equipment to low and zero emissions models.	Low		Local, county, and state governments, private sector	0-2 yrs	Regional, local		Share of zero-emissions landscaping equipment in use.	Reduce exposure of workers and vulnerable residents to noise and emissions from equipment.

Ref#	Co-benefits
DT1	Reduce criteria air pollutants
DT2	
DT3	Accelerated EV adoption.
DT4	Accelerated investment in EV charging infrastructure; reduced soft costs; safe and effective EV charging systems
DT5	Reduced health impacts of tailpipe emissions
DT6	
DT7	
DT8	
DT9	
DT10	Support control of aquatic invasive species
DT11	Reduce congestion and lost time for drivers.
DT12	
DT13	Reduce urban truck congestion and lost time for drivers.
DT14	Cost savings
DT15	Reduction of noise and criteria pollutants.

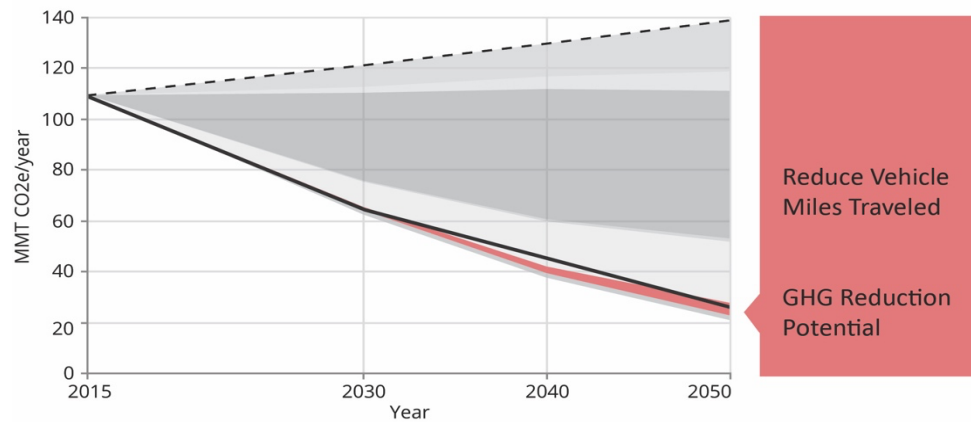




Ref#	Strategy	GHG Reduction		Timeline	Scale	Authority to Implement	Performance Indicators	LIDAC Considerations
		Potential	Key implementers					
VMT1	Prioritize transit-oriented development and transit-supportive development.	High	Local government, transit agencies, developers	0-5+ yrs	Local, regional	Existing	Density and walkability near transit service, establishment of new, transit ridership on existing routes	Prioritize investment to serve DACs
VMT2	Promote multi-family housing development near transit stations, employment, and along transit routes.				Local		Development and preservation of multi-family housing near transit stations and routes; employers and job opportunities near transit stations	Prioritize investment to increase affordable housing and serve DACs
VMT3	Pursue infill development with a focus on expanding housing in job rich locations				Local, regional		Infill development projects in job rich locations	Prioritize investment to serve DACs
VMT4	Build mixed-use transit stations that integrate public, commercial, and/or residential space with transportation infrastructure	Low		0-5 yrs	Regional	Existing and new municipal ordinance	Construction of mixed-use transit stations	Prioritize investment to increase affordable housing and serve DACs
VMT5	Enhance transit service frequency, reliability, and accessibility through capital projects that implement bus priority zones, regional rail service, other urban rail efficiencies, and ADA-compliant stations.	High	Local, state governments, transit agencies	2-4 yrs	Local, regional	Existing	Transit ridership, number of transit vehicle revenue hours and miles, proportion of on-time trips, transit speed, number of ADA-compliant transit stations	Prioritize investment to serve DACs
VMT6	Modernize the region's commuter and freight rail systems through upgrades to signals, switches, and scheduling, and other investment.		Transit agencies, rail, local and state governments		Regional	Coordination across jurisdictions	Improved efficiency and on-time performance	
VMT7	Expand transit-supportive technologies to promote ridership through seamless payment and wayfinding		Enabling		Transit agencies, local governments			
VMT8	Plan, design, and maintain roadways and corridors to benefit all road users by investing in safe and accessible bike and pedestrian infrastructure.	Combined Medium	Local and state governments	0-5+ yrs	Local, regional	Existing	Road safety and reliability by mode, and active transportation mode share, adoption of ADA transition plans, sidewalk network completeness, pedestrian safety, adoption of complete streets plans, miles of bike lanes, miles of sidewalks	Provide safe and accessible transportation for all.
VMT9	Build and maintain safe, resilient, and accessible active transportation infrastructure.		Local, county, state governments, transit agencies				Road safety and reliability by mode, and active transportation mode share, sidewalk network completeness, pedestrian safety, miles of bike lanes, miles of sidewalks	Prioritize investment to serve DACs

Ref#	Strategy	GHG Reduction		Key implementers	Timeline	Scale	Authority to Implement	Performance Indicators	LIDAC Considerations
		Potential							
VMT10	Encourage walking, biking and transit use through education, incentives, and collaboration.	Combined Medium		Local governments, transit agencies, school districts, employers	0-5+ yrs	Local	Existing	Active transportation mode share	Provide safe and accessible transportation for all.
VMT11	Establish a regional network of mobility hubs and expand shared micromobility and electric micromobility systems.	Low		Local and county government, transit agencies	2-4 yrs	Regional	Existing	Share of the region's population with access to micromobility options, share of transit stations with last-mile transportation options, creation of e-mobility rebate programs	Consider DAC personal safety needs. Balance pedestrian safety.
VMT12	Strategically manage parking policies to promote active and public transportation.	Medium		Local government, developers, businesses	0-2 yrs	Local	Municipal ordinance	Adoption of updated parking standards, reduction in free/low-cost parking spaces, reduce parking requirements for new developments	Integrate equity into policies
VMT13	Implement transportation demand management strategies that discourage single occupancy vehicle (SOV) travel and ownership and encourage public transit and active transportation.	High		Local and state governments, transit agencies, regional organizations	5+ yrs	Local, regional	Existing	Number of intersections with intelligent transportation system (ITS) technologies installed, number of reduced SOV trips, number of increased transit trips, number of managed or priced lanes, number of road pricing programs	Provide safe and accessible transportation for all. Prioritize investment to serve DACs

Ref#	Co-benefits
VMT1	Development of more compact, accessible neighborhoods; community cohesion strengthened; burden of owning and maintaining personal vehicle lessened
VMT2	
VMT3	Greater development density. Improve access to jobs.
VMT4	Increase ridership. Improve walkability and community vitality.
VMT5	Reduced traffic congestion; improved air quality; improved access to economic opportunity through greater mobility
VMT6	Improved safety and efficiency. Reduce travel delays.
VMT7	Increase ridership
VMT8	Safe active transportation; connected communities; reduced tailpipe emissions; improved health and wellness; reduced infrastructure demands for personal vehicles
VMT9	
VMT10	
VMT11	Reduced use of personal vehicles. Increased active transportation
VMT12	
VMT13	

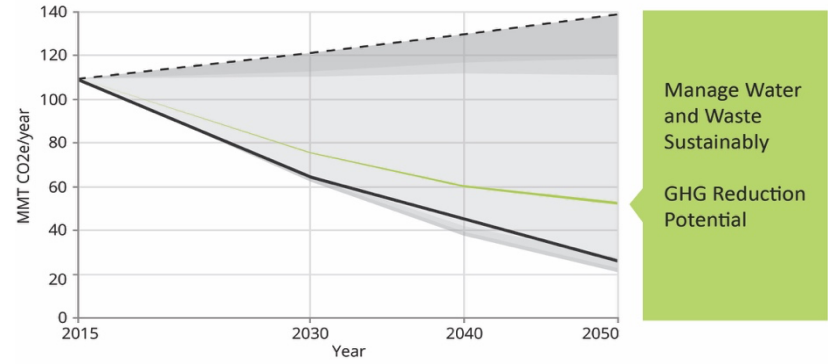


MANAGE WATER AND WASTE SUSTAINABLY

Ref #	Strategy	GHG Reduction		Key implementers	Timeline	Scale	Authority to Implement	Performance Indicators	LIDAC Considerations	
		Potential								
W1	Capture biogas and convert to energy.	Medium		Local and state governments, POTW, waste industry	1-5 yrs	Local, regional	Existing	Volume of methane captured. Volume of energy produced.	Reduce exposure to DACs. Engage diverse contractors	
W2	Eliminate fugitive methane emissions from transmission industrial processes, and from commercial and household use of natural gas.				Local, county, and state governments, energy industry	0-5+ yrs	Regional	Federal, state		Emissions control technologies implemented, pipelines upgraded or replaced. Reduction of methane emissions
W3	Increase composting and biological treatment of waste. Utilize energy and biosolid by-products.	Low		Local governments, waste industry		Local	Existing	Volume of waste composted and utilized	Expanded recycling and organic waste industries; value from waste captured.	
W4	Support circular economies.	Enabling		Local, county and state governments, private sector				Landfill diversion, production of longer lasting goods	Economic opportunities for DACs	
W5	Reduce demand for building materials through material efficiency, longevity, and re-use.	Low		Local, county and state governments, private sector	0-5yrs	Local, regional	Existing and new local ordinance	Rates of building material reuse and recycling	Reduce building costs. Economic opportunities for DACs in preservation and reuse.	
W6	Increase the volume of waste that is recycled and composted.			Local, county, and state governments, waste industry, private sector, constituents					Quantity of compost, recycling rates	Reduce exposure to litter and illegal dumping. Site waste operations to avoid harm to DACs
W7	Reduce energy needed to deliver safe drinking water and shift operations to clean energy sources.			Local governments, water utilities.	2-5 yrs		Existing		Efficiency of water processing and distribution. Proportion of clean energy supply.	Eliminate lead pipes. Provide access to safe, clean, and affordable water to all. Reduce household utility burden.
W8	Reduce energy needed to manage wastewater and shift operation to clean energy sources.			Local governments, POTW					Efficiency of wastewater processing and conveyance. Proportion of clean energy supply.	Reduce energy costs and household utility burden. Create clean energy jobs for DACs.
W9	Encourage water conservation.			Local governments, water utilities, non-profits.	0-5yrs			Per capita water consumption	Conserve water supply. Reduce household utility burden.	
W10	Benchmark water and energy use for commercial and residential properties.			Local, county, and state governments, water and electric utilities	2-5 yrs	Existing and new local ordinance		Adoption of water/energy nexus benchmarking.		

Co-benefits

W1	Reduced methane gas emissions. Displacement of fossil fuels
W2	Reduced methane gas emissions
W3	Reduced methane gas emissions. Enriched landscapes
W4	Reduced embedded energy from production, transport, and disposal of materials; reduced persistent waste like plastic; value from waste stream and operations captured; household budgets stretched through smart purchasing
W5	
W6	
W7	
W8	
W9	Reduced long-term operational costs.
W10	



SUSTAIN ECOSYSTEMS TO SEQUESTER CARBON

REF#	Strategy	GHG Reduction Potential	Key implementers	Timeline	Scale	Authority to Implement	Performance Indicators	LIDAC Considerations
SQ1	Increase protected lands and restore and manage public landscapes to optimize ecosystem services and support biodiversity.	Sequestration	Local, county, and state governments, property owners	0-5 yrs	Local	Existing. Local action to acquire lands	Quantity and quality of public and/or protected open space. Size and quantity of conservation easements. Quantity of restored land/open space.	Maintain accessible open space to invite safe and healthful activity.
SQ2	Encourage property owners to install and maintain sustainable and native landscapes.						Ecological health of public and private open space	
SQ3	Plant trees and sustain the urban forest.		Local, county, and state governments, property owners, non-profits	0-2 yrs	Regional, local	Existing	Vitality and diversity of the urban forest	Sustain tree canopy and gardens for desired cooling benefits in vulnerable communities.
SQ4	Encourage citizen tree stewardship.							
SQ5	Preserve soil through low-impact development and restore soil integrity.		State, county and local governments, POTW, developers	0-5 yrs	Local	Local, county ordinance	Soil health	Remediate contaminated soils and restore nature to sites in vulnerable communities.

Co-benefits	
SQ1	Stormwater managed sustainably; pollinator and wildlife habitat supported; quality open space encourages active transportation and lifestyles
SQ2	
SQ3	
SQ4	Improved air quality; cooling shade mitigates heat islands; reduced cooling energy demands; enhanced livability
SQ5	Clean water; healthy ecosystems

