Panel	Strategy tag	Strategy/Initiative	Strategy type	Description	Emissions impact
				Reduce net GHG emissions and increase carbon sequestration/storage and other	
				environmental benefits through adoption of soil health management practices (e.g.,	
		Soil Health Management Practices (also referred to as		cover/double crops, reduced tillage, perennial crop systems. Also referred to as	Low (2030) -
Ag & Forestry	AGF-S01	Regenerative Agricultural Practices)	Mitigation	Regenerative Agricultural Practices).	Medium (2050)
				Nutrient Management - Reduce nitrous oxide (N2O) emissions while achieving	
				desired crop yield and quality through continued and expanded nutrient	
				management planning and implementation on crop fields, hay fields, pastures,	Low-Medium (2030)
Ag & Forestry	AGF-S02	Nutrient Management	Mitigation	orchards, vinevards, and other agricultural lands receiving nutrients.	Medium-High (2050)
			Ŭ	Alternative Manure Management - Reduce methane emissions by implementing	
				practice systems specifically planned and designed for each farm, such as cover and	
				flare systems, anaerobic digester systems, and other/innovative systems that collect.	
				capture and combust methane from manure storages or prevent	Medium (2030) -
Ag & Forestry	AGE-S03	Alternative Manure Management	Mitigation	methane production from manure storage.	High (2050)
				Precision Feed, Forage and Herd Management – Reduce methane and nitrous oxide	
				emissions while achieving desired ruminant growth and lactation goals. Strategy	
				acknowledges that additional methane emission reduction may be realized from	Medium (2030) -
Ag & Forestry	AGE-504	Precision Feed Forage and Herd Management	Mitigation	feed additives developed in the future	Medium-High (2050)
Agarolestiy	A01-304		IVITUGACION	Agreforectry Adding trees into areas of agricultural production to reliably increase	Low (2030) -
Ag & Forostry		Agroforestry	Mitigation	Agrotorestry - Adding trees into areas or agricultural production to reliably increase	Medium (2050) -
Ag & Folestiy	AGF-505	Agroinestry	IVITUBALION	AEM Planning for Climate Mitigation (Adaptation, aka "Carbon Farm Planning"	
Ag & Forestry		Earm Dianning"	Enabling	Active Planning for Climate Millgauon/Adaptauon, aka "Carbon Farm Planning	
Ag & FOIESLIY	AGF-500		Enduing	A new pregram for lang term, ensuel menitoring and henchmoding of CUC	
				A new program for long-term, annual monitoring and benchmarking of GHG	
				mitigation, carbon sequestration, and adaptation performance across applicable	
				areas of management on farms in NYS. Information products provide useful, farm-	
				level data for confidential benchmarking by farmers as well as publicly available data	
				through farm case studies (with farmer agreement) and aggregated datasets to	
				support future policy, research, and implementation.	
Ag & Forestry	AGF-S07	Benchmarking and Monitoring	Enabling		
				Keep Forests as Forests: Maintain and enhance the state's carbon sequestration	High (2030) - High
Ag & Forestry	AGF-S08	Avoided Forest Conversion	Mitigation	potential through avoided forest conversion	(2050)
				Maintain and protect the states' potential for carbon sequestration on agricultural	
				lands through avoided farmland conversion; enhance farm viability, increase food	
				security, and implement smart growth to reduce future GHG emissions from Vehicle	
Ag & Forestry	AGF-S09	Avoided Agricultural Land Conversion	Enabling	Miles Traveled.	
				Support emission reductions by enhancing existing programs, and promoting the	
				expansion of those programs, that encourage farm viability and resilient	
Ag & Forestry	AGF-S10	Bolstering Local Agricultural Economies	Enabling	communities through the production and consumption of local food	
				Encourage and provide guidance for the inclusion of farmland and forestland	
				protection in municipal comprehensive plans. Require inclusion of farmland and	
				forestland protection in state funded municipal comprehensive plans. Encourage and	1
Ag & Forestry	AGF-S11	Enhance local government planning for land conservation	Enabling	fund development of Natural Resource Inventories.	
				Maintain and increase carbon sequestration in NYS forests by securing forest	
				regeneration, improving forest health and productivity, and restoring degraded	High. 3.3-11.0
				forests through the widespread adoption of improved, sustainable forest	million metric tons
Ag & Forestry	AGF-S12	Improved, Sustainable Forest Management	Mitigation	management.	of CO2 e per year
				Increase forested acres through afforestation and reforestation efforts to establish	High. 5-12 million
				climate adapted and resilient forests. There are potentially 1.7 million acres of	metric tons CO2 e
Ag & Forestry	AGF-S13	Afforestation/Reforestation	Mitigation	marginal lands available for establishing forests.	per year

Panel	Strategy tag	Strategy/Initiative	Strategy type	Description
				Increase and maintain tree cover in urban and developed area
				and corresponding GHG emissions through the shading and co
				Increase carbon sequestration through tree establishment and
Ag & Forestry	AGF-S14	Urban Forestry	Mitigation	urban trees through improved maintenance.
				Expand funding for peer reviewed climate, forest carbon, and
Ag & Forestry	AGF-S15	Climate and Forest Carbon Research	Enabling	management research
				Develop and support workforce development and training pro
				workers to enable an increase demand in forestry services to l
				Incorporate forest carbon and forest carbon management into
				training programs and forestry curriculums at the high school
Ag & Forestry	AGF-S16	Workforce Development	Enabling	college level.
<u> </u>			U	Facilitate the development of a forest-based culture and econ
				the-art outreach, education and marketing techniques to infor
Ag & Forestry	AGF-S17	Outreach and Education	Enabling	policy makers about forest and forest carbon issues
0				Advance the use of high value timber for long lasting products
				health and forest carbon sequestration. Displace GHG-intensiv
				(steel, concrete) with durable wood products (carbon sequest
		Expand Markets for Sustainably Harvested Durable Wood		timber, hard wood floors) that reduces the net building and in
Ag & Forestry	4GE-\$18	Products	Enabling	provide long duration carbon storage
ng a rorestry	//01/510			This plan will identify feedstock volumes and production meth
				hiomass resources in a sustainable, sequestration maximizing
				replacements for hard to decarbonize fuels while considering
				feedsteeks (see recommendation on low sarbon product down
		Sustainable biomass foodstock action plan for 2050 bard to		from biomass will likely have a limited but strategic role in Nov
Ag Q Forestry		desarbonizo producto	Enchling	from biomass will likely have a limited but strategic role in Nev
Ag & Forestry	AGF-519		chapling	needs
				Ennancing carbon sequestration, greenhouse gas mitigation, a
	A CE 630		Tu a h Bara	development opportunities by reducing barriers and creating of
Ag & Forestry	AGF-S20	Increasing market access for NY low-carbon products	Enabling	for NY produced low carbon products
		Financial and Technical Assistance for Law Carbon Draduat		Provide financial and technical assistance to grow a bioprocess
	105 004	Financial and Technical Assistance for Low-Carbon Product	E a la la ca	York that utilizes low-grade wood and other biomass residuals
Ag & Forestry	AGF-521	Development	Enabling	substitutes for fossil fuel based products
				Develop a demonstration and pilot project portfolio to drive in
				of biobased low-carbon fuels, products, and related sequestra
				intersection of industrial/manufacturing, agriculture, transpor
		Bio-based Products Research Development & Demonstration		generation sectors. Fund Innovation challenges and select pro
Ag & Forestry	AGF-S22	Overview	Enabling	beyond business as usual
				Advance deployment of natural CDR pathways that serve to cr
				emissions profile for bioeconomy products and other econom
Ag & Forestry	AGF-S23	Net Negative Carbon Dioxide Removal (CDR)	Enabling	duration carbon storage beyond net zero)
				Provide technical assistance to help identify economically viab
				projects and provide comprehensive energy management plan
				assistance for decarbonization projects and leverage low-cost
EITE	EITE-S01	Financial and Technical Assistance	Mitigation	support industry.
				Develop preferential procurement standards for low-carbon b
				remove impediments to the State's purchase of low-carbon m
				materials will be required to reduce emissions in the built envi
				value proposition for manufacturers to produce low-carbon pr
EITE	EITE-S02	Low-Carbon Procurement Policies	Mitigation	reduce process related emissions.

	Emissions impact
eas to reduce energy use	
cooling effect of trees.	
nd extending the life of	
	Medium
d applied forest	
rograms for forest sector	
be met.	
to	
ol (e.g., BOCES) and	
nomy through state-of-	
orm the public and	
ts while advancing forest	
sive building materials	
stered in cross-laminate	
Infrastructure GHG and	
thods that utilize NYS	
g manner to create	
g other uses for these	
velopment). Fuel derived	
ew York's 2030 and 2050	
and economic	
g competitive advantage	
essing industry in New	
ls to create bio-based	
investment in the areas	
ration that considers	
ortation, and power	
ojects that can scale	
create a negative	
nic sectors. (long	
ble decarbonization	
anning. Provide financial	
st hydropower to	Low (2030) - High
	(2050)
building materials and	
materials. Low-carbon	
vironment. Providing a	
products will help	Low (2030) -
	Medium (2050)

Panel	Strategy tag	Strategy/Initiative	Strategy type	Description	Emissions impact
				Develop a comprehensive Innovation Roadmap to determine priorities for deep	
				decarbonization RD&D investment. Meeting the CLCPA goals for industry is not	
				technically and/or economically feasible with currently available technologies alone.	
				This research effort should analyze the social, financial, and technological	
				characteristics of solutions that will enable industry to meet CLCPA goals. The	
				research should consider the intersection of the industrial/manufacturing,	
				agriculture, transportation, and power generation sectors when determining	
EITE	EITE-S03	Research Development & Demonstration (RD&D)	Enabling	investment priorities.	
				Provide workforce development training on existing and new innovative emission	
EITE	EITE-S04	Workforce Development	Enabling	reduction technologies	
				Expand the universe of facilities that are required to report on their GHG emissions.	
EITE	EITE-S05	GHG Reporting	Enabling		
				Leverage the State's climate policies to develop an in-state supply chain of green	
				economy companies by engaging in business development discussions and offering	
EITE	EITE-S06	Economic Incentives	Enabling	loans, grants, tax credits, and other economic incentives.	
				Reduce methane and carbon dioxide emissions by reducing the combustion	High (2030) - High
Waste	WST-S01	Organic Waste Reduction and Recycling	Mitigation	and landfilling of organics and other methane/GHG producing wastes.	(2050)
				Reduce methane and carbon dioxide emissions from waste disposal facilities by	
				enacting broad Extended Producer Responsibility (EPR)/Product	
				Stewardship requirements to cover the recycling of packaging and printed paper,	
				carpet, tires, textiles, solar panels, wind turbines, all batteries, appliances	
				(especially those containing refrigerants), mattresses, and other methane generating	High (2030) - High
Waste	WST-S02	Extended Producer Responsibility / Product Stewardship	Mitigation	wastes.	(2050)
				Identify and reduce fugitive emissions of methane from landfills and	
				anaerobic digesters through baseline measurement, increased monitoring,	High (2030) - High
Waste	WST-S03	Reduce fugitive emissions	Mitigation	and engineering and regulatory programs to reduce leaks.	(2050)
				Reduce methane and carbon dioxide emissions from landfills and combustors by	
				supporting domestic recycling facilities and markets for recovered resources,	
				including compost, digestate, and recycled aggregate/building	Medium (2030) -
Waste	WST-S04	Recycling Markets	Mitigation	deconstruction materials.	Medium (2050)
				Recognizing that some waste generation is unavoidable, determine limited and	
				strategic best uses for energy produced from biogas/RNG derived from organic	
				waste. Assess use in the waste transportation sector, electric co-location or	
				cogeneration opportunities for energy/heat intensive industries and hard to electrify	
				users. Utilize market value of the energy to support organics diversion and waste	
				reduction initiatives. Align energy price analysis with funding needs for build-out of	Medium (2030) -
Waste	WST-S05	Biogas Use	Mitigation	organics recycling infrastructure.	High (2050)
				Reduce methane and carbon dioxide emissions from waste disposal facilities by	Medium (2030) -
Waste	WST-S06	Waste reduction, reuse, and recycling	Mitigation	supporting robust waste reduction, reuse, and recycling initiatives.	Medium (2050)
				Transform Wastewater Treatment Plants from waste disposal priority to Water	
				Resource Recovery Facilities (WRRFs) that emphasize capture of beneficial products.	High (2030) - High
Waste	WST-S07	WRRF Conversion	Mitigation		(2050)
				Measure and reduce fugitive emissions from WRRFs, septic and sewer systems.	
				Where density and local conditions allow, eliminate septic tanks and convert to	High (2030) - High
Waste	WST-S08	Fugitive emissions from WRRFs	Mitigation	municipal sewer system collections or advanced onsite treatments.	(2050)
				Reduce GHG emissions associated with end-of-life management of appliances that	
				contain High-Global Warming Potential refrigerants. Benefits are highest in the near-	High (2030) -
Waste	WST-S09	Refrigerant Diversion	Mitigation	term while these refrigerants are still in widespread usage.	Medium (2050)
				Continue to research and obtain more accurate data on climate impacts from solid	
Waste	WST-S10	Research	Enabling	waste	

Panel	Strategy tag	Strategy/Initiative	Strategy type	Description	Emissions impact
				Green, equitable jobs and workforce development. Institute coordination around	
				workforce recruitment and employment frameworks. Develop strategies that result	
				in a living wage green-collar labor system for residents and communities that are	
				economically disadvantaged. Sustainable funding for environmental justice resident-	
				led initiatives with proven, shovel-ready (local and regional) solutions that reduce	
				and divert recyclables and organics with a focus on multi-family buildings	
				disadvantaged BIDOC and undernarforming communities	
Waste	WST-S11	Green Jobs	Enabling	disadvantaged, BIPOC, and underperforming communities.	
Traste				Enact enabling legislation and adopt codes, standards, and regulations to improve	
				energy efficiency, reduce emissions, and enhance building resilience. Adopt	
				regulations that phase out fossil fuel use in huildings, requiring energy-	
				officient electric beating and cooling, electric bot water beating, and electric	
FEL		Codes and Standards	Mitigation	annliancos	High
			Witigation	Appliances.	Low (but enables
		Renchmarking and Diselecture	N ditigation	Require measuring building energy usage, benchmarking energy performance, and	other mitigation
EEH	EEH-SU2		Mitigation	making that information accessible via disclosure or labeling.	
				Advance a managed, phased, and just transition from reliance on fossil gas and the	
				gas distribution system to a clean energy system, including elimination of embedded	High (overlap
EEH	EEH-S03	Gas System Transition	Mitigation	subsidies for fossil gas.	with #1)
				Advance a managed and just transition from reliance on HFC use as refrigerants and	
EEH	EEH-S04	Transition from HFCs	Mitigation	in all products used in building construction.	High
				Provide incentives for single family, multifamily, and commercial and institutional	
				building owners that speed uptake and help to transform the market for building	
				efficiency, electrification, and decarbonization, with a focus on enabling uptake	
				that benefits LMI households, affordable housing and public housing, and DACs.	
EEH	EEH-S05	Public Financial Incentives	Enabling		
				Low-cost financing for energy efficiency, electrification, electrification readiness,	
				solar PV, and related improvements in buildings to provide single family, multifamily,	
				and commercial and institutional building owners with access to low-cost capital at	
				the scale needed to pay for the building upgrades necessary for decarbonization.	
EEH	EEH-SO6	Public and Private Low-cost Financing	Enabling		
				Support workforce education, training, job placement and development that equip	
				the state's current and future workforce to design, install, inspect, maintain and	
				operate healthy, comfortable, low-carbon buildings while increasing clean energy	
				iob placement for DACs and advancing industry diversity.	
EEH	EEH-S07	Workforce	Enabling		
				Support broad public awareness and consumer education, create	
				strategic partnerships including with trusted community leaders, and scale-up	
				targeted outreach and decision-making support to increase market demand and	
ЕЕН	EEH-S08	Public Awareness and Consumer Education	Enabling	accelerate the transition to low-carbon, energy-efficient, all-electric buildings.	
				Support research and development (R&D), demonstration projects, and more	
				companies and manufacturers operating in NYS to bring inpovative solutions to	
				the market place for: highly efficient all-electric, and resilient huildings: grid-	
				interactive buildings, with revenue opportunities; and reducing embodied carbon in	
FFH	FEH-S09	Innovation	Enabling	huildings	
				Establish procurement requirements and design specifications for State-funded	
				projects and support education, building rouse, P&D, and in state manufacturing of	
				projects and support education, building reuse, R&D, and in-state manufacturing of	
				materials used in the buildings sector and to create based early and literative buildings	
				materials used in the buildings sector and to create broad carbon literacy regarding	
		Embedied Carbon		the impact of materials, while increasing attention to carbon-sequestering products	
IFFH	IEEH-SIU		Enabling	(e.g., cross-laminated timber, hempcrete).	

Panel	Strategy tag	Strategy/Initiative	Strategy type	Description
				The Panel recommends the CAC advocate for Federal resource
				a leader but will need significant assistance and partnership from
				government to bring these recommendations to fruition.
EEH	EEH-S11	Federal Agenda	Cross-cutting panel recs	
				The Panel recommends the CAC conduct an economy-wide and
				resources and funding mechanisms to support the final scoping
				identified and recommended some potential funding/financing
				do not address the full need outlined in the recommendations.
FFU		Povonuo Sourcos	Cross sutting papel ross	expert/stakeholder input is needed to identify resources for th
	EEH-312		Cross-cutting panel recs	transformation.
				signals for both electricity and gas, to ensure affordability as h
FFH	EEH-S13	Energy Costs and Price Signals	Cross-cutting panel recs	to promote demand flexibility
				Adaptation and Resilience recommendations are of material in
				electrify heating systems, and as the frequency of extreme weat
				the probability and scale of grid outages. At the building level,
				recommends several changes in the State codes that support n
				and efficient, flexible technologies that can enhance grid reliab
				including high-performance walls/roofs/windows to improve p
				solar PV along with energy storage readiness, grid-interactive a
				readiness to position for vehicle-to-grid/vehicle-to-building app
				also supports multiple specific recommendations advanced by
				Adaptation and Resilience group, notably: (i) to develop policie
				reduce human risks associated with new patterns of thermal ex-
				community-based cooling and warming centers, weatherizatio
				extremes, cool roots); (ii) to ensure the reliability, resilience an
				ungrades and capital improvements to buildings to endure grid
				upgrades and capital improvements to buildings to endure grid
				meaningful community engagement and public education and
				canacity (e.g., train building operations staff in disaster prepare
				and small business resilience audits/refinancing). The Panel un
				additional research, analysis, and policy development on this c
EEH	EEH-S14	Adaptation and Resilience	Cross-cutting panel recs	
				Although the Panel's recommendations do not include a regula
				perform energy efficiency upgrades to existing residential build
				Panel underscores the importance of insulation/weatherization
				measures to make homes comfortable and to reduce emission
				seasonal demand peaks. Either regulations and/or substantial
				Ineeded in the future to effectuate this at scale. Given market o
				It ne Panel recommends that the first step is to require energy b
				deliberations and programs to assist low income New Yorks
				funding for LMI weatherization (energy officiency offerts will be
ЕЕН	EEH-S15	Energy Efficiency Upgrades for Existing Homes	Cross-cutting panel recs	increased.
	1			

	Emissions impact
es and policy support in lem. New York State is om the Federal	
alysis to identify g plan. While the Panel g mechanisms, these . Further analysis and his scale of	
and retail rate price wildings electrify and	
mportance as buildings eather events increases the Panel more resilient buildings bility and resilience, bassive survivability, appliances, and EV plications. The Panel of the cross-panel es and programs to extremes (e.g., but from thermal and safety of a em, energy efficiency d failures and to accept n l build adaptive redness, provide home anderscores the need for critical topic.	
atory requirement to dings, the on and energy efficiency ns, heating costs, and subsidies likely will be challenges and costs, benchmarking and nen inform future policy . In the meantime, eed to be substantially	

Panel	Strategy tag	Strategy/Initiative	Strategy type	Description
				Guide future growth, redevelopment, and conservation at the
				regional planning. Facilitate and support collaborative smart g
				planning at the county and regional scales to inform and guide
		Land Line - Future Casuate	n a bita a	including designation of priority development areas and priorit
LULG	LULG-S01	Land Use - Future Growth	Enabling	Empower Local Covernment to Ashiova Smort Crowth Diamia
				Empower Local Government to Achieve Smart Growth Planning
				municipal implementation of mitigation strategies through on
				assistance, increased support for local adoption of zoning and
				consistent with smart growth principles and local policies that
				equitable development and the accelerated expansion of local
		Land Lise - Empower Local Government to Achieve Smart		a streamlined "Plan-to-Zone" initiative
IUIG	1111 G-502	Growth	Enabling	
1010				Enhance Resources to Enable Equitable Smart Growth Projects
				government with the necessary tools and resources to guide.
				process of achieving equitable smart growth projects such as T
				income/affordable housing, downtown, village and hamlet cen
LULG	LULG-S03	Land Use - Enable Equitable Smart Growth Projects	Enabling	development.
				Align State Funding Priorities. Prioritize smart growth, equity, a
LULG	LULG-S04	Land Use - State Priorities	Enabling	relevant state funding, including new infrastructure spending
				Facilitate and Accelerate Equitable Transit Oriented Developme
				mixed-use, mixed-income transit-oriented development around
LULG	LULG-S05	Land Use - TOD	Enabling	served by rail and bus.
				Develop a statewide dashboard of community greenhouse gas
				to promote local climate action planning, monitor equity consid
				progress, and ensure data consistency at the county/municipal
LULG	LULG-S06	Clean Energy - Community Dashboard	Enabling	
				Encourage local governments to demonstrate leadership in end
				developing model above-minimum energy conservation constr
				adopting the NY Stretch Energy Code and promoting its adopti
		Clear Franzis Land Delision	F and the s	code enforcement including streamlined permitting, third part
LULG	LULG-S07	Clean Energy - Local Policies	Enabling	shared enforcement, and Property Assessed Clean Energy (PAC
				Establish statewide policies that require consistent advanceme
				decarbonization by adopting a highly efficient State Energy Coo
				goals as soon as possible, establishing energy benchmarking an
		Clean Energy - Statewide Policies	Enabling	performance standards for buildings, and creating innovative p
				Eacilitate clean energy siting through planning support and the
				promotion of model local laws streamlined permitting and loc
				regulations that clearly identify appropriate as-of-right installat
				for different clean energy technology types, and clear requiren
				processes for installations that are not as-of-right.
LULG	LULG-S09	Clean Energy - Planning Support	Enabling	
				Connect homes, businesses, and community institutions with c
				services, and job opportunities through Community Choice Age
				microgrids, district systems, workforce development initiatives
				scale campaigns to encourage adoption of new, innovative tech
				generate value and savings for consumers in an equitable man
LULG	LULG-S10	Clean Energy - Community Initiatives	Enabling	

	Emissions impact
regional scale through	
growth comprehensive	
e land use decisions,	
ty conservation areas	
ig and Development.	
nities. Promote	
hanced technical	
land use regulation	
support sustainable,	
l clean energy through	
Drovido local	
onable and inform the	
ntors and infill	
and sustainability in all	
ent (TOD). Accelerate	
nd key transit hubs	
s emissions inventories	
iderations, measure	
lity level.	
ergy efficiency by	
ruction policies or	
ion. enhanced	
ty inspections, and	
CE) financing.	
ent on building	
de aligned with CLCPA	
nd	
public benefit financing	
e development and	
cal development	
ition opportunities	
ments and reasonable	
clean energy products,	
s and community	
s, and community-	
nor	
nei.	

Panel	Strategy tag	Strategy/Initiative	Strategy type	Description	Emissions impact
				Continue and expand state program opportunities, incentives, technical assistance,	
				and centralized procurement services to motivate local governments and related	
				public entities to improve assets they control with high-impact actions such as LED	
				lighting, energy efficiency upgrades, heat pump projects, methane recovery for	
				energy production from wastewater treatment and landfills, solar on	
				municipal premises, and municipal and school district fleet electrification.	
LULG	LULG-S11	Clean Energy - Local Assets	Enabling		
				Maintain and enhance the carbon sequestration potential of freshwater, non-tidal	
				wetlands in New York State through protection, restoration, and monitoring.	Low (2030) - Low
LULG	LULG-S12	Carbon Sequestration - Freshwater Wetlands	Mitigation		(2050)
				Maintain and enhance the carbon sequestration potential of "blue carbon" in New	
				York State, including coastal and estuarine tidal wetlands, submerged aquatic	
				vegetation, and other coastal habitats, through protection, restoration, and	Low (2030) - Low
LULG	LULG-S13	Carbon Sequestration - Blue Carbon	Mitigation	monitoring.	(2050)
				Maintain and enhance the carbon sequestration potential of natural areas in New	
				York State, including wetlands, coastal habitats, forests, and grasslands through	
				improved mapping (both regulatory and non-regulatory), research, conservation	
		Carbon Sequestration - Mapping, Research, Planning, and		planning guidance, stewardship, and assistance for local governments	
LULG	LULG-S14	Assistance	Enabling	and landowners.	
				Accelerate deployment of renewable energy systems including solar, land-based	
Power Gen	PWR-S01	Growth of Large-Scale Renewable Energy Generation	Enabling	wind, and offshore wind in alignment with the Clean Energy Standard.	
				Support the development and use of information and resources for local	
				communities to make beneficial decisions about renewable energy projects in their	
Power Gen	PWR-S02	Clean Energy Siting & Community Acceptance	Enabling	community.	
				By generating smaller amounts of clean electricity closer to end-users, we can	
				increase energy efficiency, reduce carbon pollution, improve grid resiliency, and	
Power Gen	PWR-S03	Distributed Generation / Distributed Energy Resources	Enabling	potentially curtail the need for costly transmission investments.	
				The State developed a 3GW goal for energy storage in the 2018 energy storage	
				roadmap based on a 50% renewable target for 2030. 70% renewables and the	
				transition to a carbon-free grid requires higher levels of energy storage as	
Power Gen	PWR-S04	Existing Storage Technology	Enabling	exemplified in the recent Power Grid Study identifying a need for >15GW.	
				Analyze and appropriately model responsive demand as part of future generation	
				and energy supply. Consider those modeled impacts on costs and timelines of power	
				generation by decade and incorporate into system planning. It is imperative that	
				flexible, responsive loads are analyzed and modeled appropriately to optimize for the	2
				lowest system cost and the most expeditious deployment of both clean supply and	
Power Gen	PWR-S05	Demand Side	Enabling	demand solutions.	
				Generation resources combined with the transmission and distribution systems,	
				control centers, and wholesale markets provide a continuously operating, reliable	
				system to service New York's electric needs. All of these elements will need to	
				transition and come together effectively to manage the transitioning grid to provide	
				continuity of a reliable power system, while implementing the CLCPA.	
				The recommendations to implement and achieve the CLCPA must support the high	
				reliability standards in place in NY by implementing improvements and	
				enhancements where needed and sustaining the practices that provide high quality	
				electric service. If properly integrated the additional clean distributed generation.	
				storage and large-scale renewables which the CLCPA will provide will help to build	
				a more flexible and resilient grid to address and mitigate the impacts of climate	
Power Gen	PWR-S06	Reliability for the future grid	Enabling	change.	

Panel	Strategy tag	Strategy/Initiative	Strategy type	Description
				Prioritize helping low-income utility customers and disadvanta
				while also assuring that these communities will be able to affo
Power Gen	PWR-S07	Access and Affordability for All	Enabling	from the State's transition to electrification
				Make it a priority to provide education and career opportunit
				a focus on disadvantaged communities to enter the clean ene
				just transition for people currently employed in fossil industrie
Power Gen	PWR-S08	Workforce Development	Enabling	met.
				Markets that incentivize resources with the desired attributes
				provide optimal reliable grid management, and are sufficiently
				technology innovation will help achieve the CLCPA objectives,
Power Gen	PWR-S09	Market Solutions	Enabling	benefits for, and reducing impacts on, disadvantaged commun
				Increase research, development, and appropriately-scaled dev
Power Gen	PWR-S10	Technology Solutions	Enabling	deployment of emissions-free technology needed to reach our
				Achieving the CLCPA's high renewable energy, zero emission e
				require substantial amount of energy storage operating over v
				timescales—spanning from minutes to hours, days, weeks and
Power Gen	PWR-S11	Long Duration Storage Technology	Enabling	maintain grid flexibility, reliability, and resiliency.
				Pursue planning and implementation processes to facilitate ne
Power Gen	PWR-S12	Energy Delivery & Hosting Capacity	Enabling	delivery options for the renewable energy buildout.
				This recommendation intends to address methane leakage an
				related to fossil natural gas, though it also applies to any pote
				technologies. This recommendation aligns with what was prop
				Efficiency & Housing Panel, but includes a broader scope beyo
				gas distribution sector. Transition away from gas with a mana
				transition from natural gas and decommission natural gas infr
				maximum extent possible and as quickly as possible.
Power Gen	PWR-S13	Gas Infrastructure, Transmission & Methane Leakage	Mitigation	
				Develop a plan and implement regulations to phase out fossil
				peaking generation resources as quickly as practicable while r
				reliability by prioritizing efforts to lower emissions of co-pollut
				and environmental justice communities. Leverage existing tec
				zero-emissions technology where feasible, transmission and d
				targeted energy efficiency and demand response, market desi
Power Gen	PWR-S14	Retirement of Fossil Fuel-Fired Facilities	Enabling	or regulatory mechanisms.
Transportation	TRNS-S01	Electrification - 100% Zero Emission Passenger Vehicles	Mitigation	Transition to 100% zero-emission light duty vehicle sales
		Electrification - Zero emission trucks, buses and heavy		Transition to zero emission Medium/Heavy Duty Vehicles & No
Transportation	TRNS-S02	equipment	Mitigation	
				Identify implementable strategies to significantly enhance the
				accessibility; reliability; and affordability of public transportation
				emphasis on unserved/underserved communities. This include
				-Doubling the service availability/accessibility of municipally s
				downstate suburban public transportation services statewide
				-Implementing policies and programs that support system reli
		Public Transportation - Enhanced Public Transportation /		expansion projects identified by the Metropolitan Transportat
Transportation	TRNS-S03	Mobility	Mitigation	their current five-year capital pan/twenty-year needs study.
				Transit Oriented Development
Transportation	TRNS-S04	Public Transportation - TOD	Mitigation	

	Emissions impact
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Panel	Strategy tag	Strategy/Initiative	Strategy type	Description	Emissions impact
				Convenience / Connectivity	
					Low/Medium (2030)
Transportation	TRNS-S05	Public Transportation - Convenience / Connectivity	Mitigation		Medium (2050)
				Fleet Modernization	Medium (2030) -
Transportation	TRNS-S06	Public Transportation - Fleet Modernization	Mitigation		Medium (2050)
				Support Transportation-Oriented Development (TOD) that enables greater use of	Low (2030) -
Transportation	TRNS-S07	Smart Growth - TOD	Mitigation	public transportation and other low-carbon modes	Medium (2050)
				Expand the availability of low carbon transportation modes (biking,	Low (2030) -
Transportation	TRNS-S08	Smart Growth - Low-Carbon Modes	Mitigation	walking, carpooling, ride-sharing, micro-transit) statewide	Medium (2050)
				Improve transportation system efficiency through policies, technologies, and	
		Smart Growth - Smart Mobility & Connected / Automated		investments that reduce congestion and increase safety using connectivity,	Low (2030) -
Transportation	TRNS-S09	Vehicles	Mitigation	automation, and other innovative approaches	Medium (2050)
				Encourage the business and economic development community to work more	
				closely with local planners, public transportation officials, and other transportation	
				providers in business location and expansion projects. Launch an Expansive, Multi-	
				Dimensional, Grass-Roots Public Education Campaign on the Links Among Land Use	
				(Smart Growth), Public Transportation and Housing and their roles in reversing	
Transportation	TRNS-S10	Smart Growth - Planning and Collaboration	Enabling	climate change.	
				Implement a Clean Fuel Standard to support electrification of transportation, achieve	Medium (and د
				near-term emission reductions while the transition to electrification is underway and	enables
				provide cleaner fuels for hard-to-electrify subsectors such as aviation; freight	electrification)
				and passenger rail; and long-haul trucking. A clean fuel standard generally considers	(2030) - Low
				total fuel cycle emissions.	(enabling for
					electrification)
Transportation	TRNS-S11	Market-Based Policies and Financing - Clean Fuel Standard	Mitigation		(2050)
				Public & private approaches to electrification financing	
Transportation	TRNS-S12	Market-Based Policies and Financing - Electrification Financing	Enabling		
				Policies reduce emissions directly and support further emission reductions and the	
				transition to a cleaner, more efficient transportation system. Transportation Panel	
				recommends potential participation in the Transportation and Climate	
				Initiative program (TCI-P) unless the Climate Action Council opts for a multi-sector	Medium (and
		Market-Based Policies and Financing - Cap & Invest / Carbon		carbon pricing approach that provides at least the same level of support for reducing	; enables other
Transportation	TRNS-S13	Pricing	Mitigation	transportation sector emissions.	strategies)
				Various market-based policies will support electrification, public transportation,	
				smart growth and other transportation goals. These policies complement the other	
		Market-Based Policies and Financing - Various market-		more specified strategies, including recommendations for TCI-P participation, clean	Low (2030) - Low
Transportation	TRNS-S14	based/financing policies	Mitigation	fuel standard, private financing strategies and feebates	(2050)