

PIA Middle FINAL 4-12-23							
#	Topic	Req (*)	Activity	Local Effort	Assistance	Time Frame	Comments
A1	Administrative	*	One year from endorsement and biennially thereafter, report to the SPC about the status of planning efforts, ordinance adoption and other accomplishments from the PIA.	Planning Board and governing body	OPA	1st Due May 3, 2024 (?); then May 3rd, 2025, 2027, 2029, 2031, 2033	First year = Annual Report then Biennial Reports for the next 8 years. (Include status on PIA actions, any land use ordinances and site plan applications/approvals).
A2	Administrative	*	After adoption, Middle shall submit to OPA any new or modified land use ordinance and/or planning document.	Planning Board and governing body	Technical assistance	Include in Biennial Report.	Include in reports planning, land use or relevant items beyond the PIA actions.
B1	Public Info & Community Engagement		Continue to support the Middle Township Green Team and enlist them to work on the PIA actions as appropriate.		Governing body, Green Team	ongoing	Middle has been Certified Bronze three times, most recently in 2022 and could hit Silver and maybe a Gold Star with this PIA.
B2	Public Info & Community Engagement		Many of the following actions would benefit from public engagement, education about issues, resident assistance with actions, participation in decision making and support for a path to resiliency and sustainability. An early action should be a public forum(s) designed for short and long-term public engagement.	Governing body, Planning Board, Green Team, chamber(s), churches, schools, other local and regional organizations as partners/invitees.	OPA, DEP, local groups & regional NGOs/universities	Periodically thereafter to update/engage residents on progress on key issues.	Forum(s) should be designed with a well developed outreach element to ensure equitable inclusion and meaningful turn out and facilitated to maximize results.
C1	Climate Resilience Planning	*	Develop, adopt, and implement a climate change-related hazard vulnerability assessment (CCRHVA) that meets the requirements of the MLUL per P.L.2021, c.6.	Planning Board, OEM, Green Team	DEP/SJ, NJ Adapt, OPA, DEP	Within 4 years	Gather Middle's HMP Annex and other relevant maps/documents, use NJ Adapt to compile vulnerability data for MLUL compliance. It needs to address climate impacts for temperature, precipitation, flooding, heat island, wildfire protection including vulnerability of public and private potable wells, utility sites, facilities, equipment, conveyance piping, overhead utility lines, etc. that may be vulnerable to climate impacts or other environmental hazards. Findings from the CCRHVA should guide strategies/actions to increase resilience and reduce risk.
C2	Climate Resilience Planning	*	Review/update the Flood Damage Protection Ordinance with the current NJ Coastal Model Ordinance (revised 2022) at https://www.nj.gov/dep/floodcontrol/modelord.htm in order to be NFIP compliant.	Planning Board and governing Body	DEP	1-2 years contingent on DEP	Middle's Flood Loss ordinance is from 2017 and needs revision. NJDEP updated the model ordinance in 2022 to be compliant with NFIP.
C3	Climate Resilience Planning		Review the Blue Acres Program and see if it might be an option for any Non-mitigated repetitive loss properties in the community.	Governing body	DEP, OEM, FEMA		Middle has 79 Repetitive loss properties and 14 Severe Repetitive Loss properties. 21 properties have been mitigated.(920 NFIP policies with \$9,372,842 in losses during participation). Per 2021 HMP Annex.

C4	Climate Resilience Planning		Consider participating in the CRS program and potentially address Repetitive Loss (RL) and Severe Repetitive Loss (SRL) properties and other vulnerabilities.	Governing body	DEP, OEM, FEMA, NJCC		Consider joining the NJ Coastal Coalition to gain assistance for CRS and potentially join the Multi-jurisdictional Public Participation and Information group (MJPPPI)
D1	Land Use	*	Review plans and ordinances and remove impediments to, and encourage, green design throughout the community. Make necessary modifications to ensure that innovative and sustainable construction alternatives and materials (such as green roofs) are permitted. May also consider approving incentives for using innovative roofing alternatives and materials.	Planning Board, governing body & Green Team	OPA, NJDEP technical assistance	1-3 years	Sustainable Jersey points and support. (Middle has an active Green Team that could help with this and many other actions.) (See Downe Twp's green design ordinance.)
D2	Land Use	*	Review and update Master Plan and all associated elements to consider climate resiliency and socially vulnerable populations.	Planning Board, governing body & Green Team	DEP, Sustainable NJ	1-3 years after CCRHVA	Sustainable Jersey points and support. Address MLUL requirements.
D3	Land Use	*	The municipality shall enhance its zoning regulations and building codes to encourage building outside of the flood zone and to minimize construction in flood prone areas to reconstruction of existing buildings. Flood zone area new construction or redevelopment of existing buildings should avoid high density concentration in areas of severe flooding. Placement of critical facilities and utilities in flood zones should be avoided whenever possible. Affordable housing should be sited to avoid flood zone and hazardous areas.	Planning Board	DEP (Bureau of Climate Resilience Planning)	1-3 years After CCRHVA	Flood damage prevention ordinance was passed in 2017 and needs revision (see C3). NJDEP Updated the model ordinance in 2022 to be compliant with NFIP.
D4	Land Use		Consider adopting an Accessory Dwelling Unit (ADU) Ordinance in residential zones.	Planning Board			
D5	Land Use		Review the 2021 Open Space & Recreation Plan (OSRP) for climate change considerations.	Work with County, neighboring communities, DEP, NGOs and OPA for planning/support.	County and Green Acres Funding as applicable.	1-2 years for plan 1-3 years after plan for first projects implementation.	Incorporate climate change considerations as needed into plan. Petitioner will work closely with Green Acres, local advisory committee, County, and property owners to negotiate the purchase of properties to be permanent open space. (ROSI) Be sure to maintain consistency with the county OSRP.

D6	Land Use	*	Add appropriate Flood Hazard and Critical Environmentatl Site Overlay Zone(s) per the new mapping to Zoning Ordinance/Map where CESs occur.			Within 2-3 year of PE	The zoning ordinance shall be amended to include overlays that follow the CES (Critical Environmental Sites) map layer. In FEMA's 1% flood areas, vulnerable uses will be excluded and relevant floodplain building restrictions enforced. In areas designated CES due to habitat (based on DEP's Environmentally Sensitive Areas of 25 contiguous acres - ESA25), a Habitat Suitability Determination that finds no adverse impact on key species shall be required in order to consider a site plan for approval.
D7	Land Use	*	Establish affordable housing obligation/plan/spendign planbased on Settlement Agreement.	Governing body, planning board	DCA, Fair Shair, Courts	1-3 years	
D8	Land Use		Develop a Vacant Land Inventory and identify any unoccupied structures that would lend themselves to affordable housing.	Planning Board, governing body & Green Team			
D9	Land Use	*	Reconcile and update Area in Need of Redevelopment and Area in Need of Rehabilitation Data	Planning Board	DCA, OPA	Reconcile after PE and update ongoing	Ensure that data is maintained and accurate
E1	Energy	*	• Public EV charging infrastructure feasibility and supporting ordinances	Governing body & Green Team	DCA, BPU, DEP, SJ possible \$\$	1-2 years	It looks like Middle still needs to adopt the required EV ordinance. Sustainable Jersey points and support.
E2	Energy		Make your town EV Friendly (choose 3) *update zoning ordinances to require pre-wiring for EV chargers for a redevelopment plan or for a specific zone(1-2 yrs); *Adopt a PEV ordinance to include regulation/design standards for EVSE, EV parking spaces and design guidelines for installation of EVSE (1-2 yrs); * Training for local officials and require local first responders to participate in PE and EVSE education (1-2 yrs); *Incentivize EV ready - by reduce or waive permit fees and recognize businesses/entities that do it (2-3 yrs); *Commitment from 3 or more places for workplace or multi-family chargers (2-5 yrs).	Governing body & Green Team	BPU, DEP, SJ possible \$\$	1-2 years	Must meet the PE required 3 items in this action. Sustainable Jersey points and support.

E3	Energy	*	Develop a community GHG Reduction Action Plan, including GHG reduction targets. GHG reduction actions should be incorporated into land use element of master plan. 1) Conduct Local Government Energy Audit (LGEA) of municipal facilities and operations, at a minimum, and community-wide audits, if feasible, and 2) using the results of these audits, develop action plans for reducing municipal energy consumption and GHG emissions - use NJ's 2020 GHG emissions reduction target as a goal	Planning Board, governing body & Green Team	Bd of Public Utilities (BPU) Clean Energy Program	3 years with phasing	The regional MPO prepared a greenhouse gas (GHG) inventory. This inventory provides county and municipal-level GHG emissions information for various major community sectors/activities (e.g., residential, transportation, waste generation). Middle can acquire its local inventory data and use it as a baseline Sustainable Jersey points and support BPU provides funding for municipal energy audits: (http://www.njcleanenergy.com/commercial-industrial/programs/local-government-energy-audit/local-government-energy-audit)
E4	Energy	*	Energy Tracking & Management - establish energy use baselines, tracking, mgt & reporting systems	Planning Board, governing body & Green Team		2-3 years	https://www.sustainablejersey.com/actions/#open/action/482
E5	Energy	*	Greening the municipal fleet: • Fleet Inventory and target for green fleet conversion.	Governing body & Green Team	BPU, DEP, SJ possible \$\$	w/in 3 years	Sustainable Jersey points and support
E6	Energy	*	Renewable Energy Generation: *Onsite Solar or *Geothermal system or *buy electric from a renewable source or *community solar project or *Renewable Energy Aggregation	Governing body & Green Team	BPU, DEP, SJ possible \$\$	1-3 within 6 years	Sustainable Jersey points and support
E7	Energy	*	Implement energy efficiency Measure for facilities	Planning Board, governing body & Green Team		1-4 yrs	Sustainable Jersey points and support
E8	Energy		Greening the municipal fleet: * Trip optimization software * Proper vehicle maintenance * Driver training *purchase electric vehicles to achieve 20% reduction in fuel use w/in 4 years .	Governing body & Green Team	BPU, DEP, SJ possible \$\$	recommended	Sustainable Jersey points and support
F1	Conservation		NJUFCP accreditation, a Tree Protection Ordinance and/or Tree Risk Assessment Plan.	Planning Board, governing body & Green Team	DEP;Sustainable Jersey	2-3 years	Middle has and should maintain.
F3	Conservation	*	Adopt a Water Conservation Ordinance that is mutually agreeable to the municipality and DEP	Governing body & Green Team	DEP, OPA, SJ	2-3 years	Sample ordinance provided.

F4	Conservation	*	Review existing plans and enhance Conservation/Habitat Conservation element and or a section in the OSRP Plan (see Action #D5, above) addressing conservation and habitat protection measures. Coordinate with county and surrounding municipalities to expand corridors of open space and natural features to support habitat connectivity.	Governing body & Open Space Preservation Committee, Planning Board, Green Team	DEP technical assistance and funding	Possibly in conjunction with OSRP and ERI. Complete in 1-4 years	NJDEP Connecting Habitats Across NJ (CHANJ) mapping can be of assistance to identify potential corridors https://www.njfishandwildlife.com/ensp/chanj.htm Be sure to incorporate climate change considerations and identify the CESs in relevant maps.
F5	Conservation	*	Update the Environmental Resource Inventory ERI, especially climate change observations and concerns. DEP can assist with identifying what to include.	Planning board, Governing body & Green Team	DEP, ANJEC, SJ, Geoweb, NJ Adapt	3-5 years After CCRHVA	ERI should include climate impact considerations, findings from the CCRHVA, and CES overlays as appropriate.
F6	Conservation	*	Review and update as necessary the inventory of contaminated sites in Middle and identify if any of these Known Contaminated Sites (KCS) within the proposed center also meet the DEP definition of a brownfield site.	Planning Board, governing body & Green Team	Data miner	1-4 years After CCRHVA	Review and update with climate impact considerations, findings from the CCRHVA, and CES overlays as appropriate. Middle should follow the mapping and inventory provided by the NJDEP.
F7	Conservation	*	Adopt a Stream Corridor/Riparian Zone Ordinance	Governing Body		1-2 years	Sample provided
G1	Transportation & Circulation	*	Adopt a Complete & Green Streets Policy and Implementation Plan into the Circulation Element of the Master Plan.	Planning Board, governing body & Green Team	NJDOT, SJ	2-4 years	Model ordinances to be provided. Minor edits are acceptable.
G2	Transportation & Circulation	*	Update the Circulation Element of Master Plan to address opportunities for shared parking, goods movement, and improvements to transit and circulation with continued growth in the community. Encourage non-vehicular transportation.	Planning Board	NJDOT, SJTPO	4 years	Middle agrees to work on the Circulation Element.
G3	Transportation & Circulation		Coordinated assistance in preparation and implementation of bike/ped studies to update the vehicular and pedestrian circulation.		NJDOT, SJTPO, Cape May Co Planning, Vorhees Trans Ctr		
G4	Transportation & Circulation		Reevaluate the 2011 Baker Transportation Study and update with resiliency considerations. Revamp G5-G13 as needed based on resulting recommendations.		Middle with NJDOT, SJTPO, CM Co, Vorhees		

G5 (old NJDOT1)	Transportation & Circulation		Construct key paper streets Improvements listed in the Transportation Improvement Study	Middle Township			
G6 (old NJDOT2)	Transportation & Circulation		Develop western alternative roadway to Route 9	Middle Township, coordinating with landowners			
G7 (old NJDOT4)	Transportation & Circulation		Develop new roadway of Shunpike Road extension	Cape May County or Middle Township			
G8 (old NJDOT15)	Transportation & Circulation		Adopt access management ordinance	Middle Township			
G9 (old NJDOT16)	Transportation & Circulation		Adopt shared parking ordinance	Middle Township			
G10 (old NJDOT17)	Transportation & Circulation		Adopt street connectivity ordinance	Middle Township			
G11 (old NJDOT 19)	Transportation & Circulation		Pursue installation of sidewalks on priority roadways	NJDOT, CM County, Middle Twp			
G12 (old NJDOT20)	Transportation & Circulation		Investigate signal optimization along Route 9 on summer weekends	Middle Twp w/NJDOT			
H1	Transit		Improve transit options		NJT		
I1	Infrastructure	*	Review and update as necessary Utilities Element of the Master Plan. Confirm the condition and capacity of the stormwater drainage system and water supply. Incorporate climate change implications.	Planning Board, water purveyor, county MUA, private water ompanies	DEP	2-4 years after CCRHVA (With Reexam)	New utility lines and associated infrastructure should be planned to avoid flood prone areas and existing utility infrastructure currently in or projected to be flood prone in the future should be addressed.
I2	Infrastructure	*	County should be current with its WMP with a local chapter and a new FWSA map pursuant to 7:15-4.2 (c)	County	NJDEP		WMP submitted in 2019.
I3	Infrastructure	*	Evaluate and update regularly the Stormwater Management Plan and Ordinance for consistency with the current Stormwater Management Rules. Be sure to submit MS-4 Permit reports each May. Be aware of local TMDLs.		DEP and other agency technical & financial support for SW projects		SPPP should be up to date and submit MS4 reports each May. Middle updated its stormwater ordinance in 3/2021.

I4	Infrastructure		Adopt an Impervious Surface Reduction Ordinance - incorporate expected increases in precipitation and temperature related to adverse impacts of climate change: o Include measures to manage stormwater on-site rather than as runoff o Future redevelopment projects shall incorporate means to minimize and/or reduce new and/or existing impervious surfaces.	Governing body	NJDEP		
J1	Sustainability		Develop green building and sustainable design guidelines for new development - consider requiring "green buildings" (LEED, Green Globes) in redevelopment areas, to the extent practicable.	Planning Board, governing body & Green Team	SJ		Sustainable Jersey points and support
J2	Sustainability	*	Modify zoning code and permit forms/process to streamline to encourage solar, wind and geothermal.	Planning Board, governing body & Green Team	DEP, BPU, SJ	1-3 years	Middle has renewable energy ordinance; review to be sure it meets all criteria of SJ Action. Sustainable Jersey points and support. Address MLUL requirements.
J3	Sustainability		MLUL encourages municipalities to include a Green Building & Sustainability Element in their master plan to help establish policies and initiatives for achieving sustainability goals. Components include: • Define what sustainability and resilience mean to your community • Statutory basis for a sustainability element and how it relates to other elements of the plan • Document public engagement activities • Summarize existing conditions and trends, including any environmental justice (EJ) concerns and any available baseline assessment like greenhouse gas • Document community's existing sustainability policies and programs and accomplishments inventories, energy use assessments, or public health inventories • Establish a vision for local sustainability and resilience, expressed in a succinct statement • Establish sustainability and resilience goals and objectives • Develop strategies and actions for achieving sustainability objectives, typically organized by topic area, such as land use, transportation, energy, water, waste, etc. • Establish performance measures and metrics for tracking progress toward objectives • Assign responsible parties for implementation actions • This could be expanded to be a Climate Action Plan if so desired.		Green Team - DEP, Sustainable Jersey, DVRPC, OPA	Report on progress in biennial review	Sustainable Jersey points.
J4	Sustainability	*	Review recycling code to ensure consistency.				Middle has an extensive recycling code and Green Team support for residents.

K1	Economic Development		Promote economic sustainability through coordinated planning with business and property owners and neighboring communities. Develop plans for center-based/walkability improvements and support economic development initiatives including historic preservation, façade and rehabilitation grant program, wayfinding signs, coordinated marketing efforts, etc.		County, Chambers, NGOs, NJ Tourism, USDA, and others	Ongoing	Coordinate marketing efforts with neighboring communities. Engage NGO and business interestes in discussions, event coordination and marketing campaigns.
K2	Economic Development		Consider a Farmland Preservation Plan strategy to support remaining farmland and farm operations.		NJDA		Look at ensuring preservation/functionality of remaining farms. Make use of exisiting county plans.
L1	Historic Resources		Review and update Historic Preservation element. Historic structures should be protected with enhanced stormwater management plans and flood minimization plans.	Governing body	SHPO, County, Historical Societies	Report on progress in biennial review	Review the NJ Historical Commission's grants: https://nj.gov/state/historical/his-grants.shtml and Historic Trust https://www.nj.gov/dca/njht/ Work with SHPO to develop planning documents, guidance: https://www.nj.gov/dep/hpo/images/_MULT_DG_32_v2_ID14078r.pdf
L2	Historic Resources		Prepare a Historic Preservation Plan, updating historic resources inventory, then prepare and adopt a historic preservation ordinance defining the roles and responsibilities of a potential Historic Preservation committee.	Governing Body, Planning board, Green Team	SHPO, County	Report on progress in biennial review	
M1	Planning	*	Update the Community Facilities Plan	Planning Board	Technical assistance	3 years	
M2	Planning	*	5 yr capital improvement plan per MLUL				
N1	Environmental Justice	*	Develop a Municipal EJ Action Plan. Follow the requirements of EO23 pursuant to NJDEP guidelines to review, identify, and update documents as necessary.		NJDEP	1-3 years after provision of guidance	Monitor for changes in municipality that may warrant more environmental justice actions in the future. NJDEP EJ Guidance at https://dep.nj.gov/ej/