

Township of Willingboro PIA							
#	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 your planning efforts, ordinance adoption and other accomplishments from the PIA.	Planning Board and governing body	OPA	ongoing	First year = Annual Report then Biennial Reports for the next 8 years on PIA action status..
A2	Administrative	*	After adoption, the municipality shall submit any new or modified land use ordinance or other planning document.	Planning Board and governing body	Technical assistance	Include in biennial report.	
B1	Public Info & Community Engagement		Begin participating in the Sustainable Jersey program by engaging a Green Team and recruiting capable volunteer residents and others to support actions committed to by the municipality.	Governing body, Green Team	OPA, SJ	ongoing	Is community currently registered with Sustainable Jersey? Certified? (check report for list of actions completed. ) Many PE actions could be undertaken by a Green Team and gain significant points for Bronze or even Silver certification and maybe even a Gold Star. If no Green Team, could an environmental Commission or equivalent serve?
B2	Public Info & Community Engagement		Many actions would benefit from public engagement including 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 to recruit short and long-term public engagement, sharing information/goals, highlighting opportunities for participation, volunteerism and meaningful involvement in community planning and decision making.	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	Year 1 and 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.

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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.	All municipal hands should be engaged.	BCBC, OPA, DVRPC, DEP, SJ	1-4 years	XXXX should review its existing data, maps, HMP Annex and assessments and compile any additional data into an assessment and strategy to satisfy the requirements for the CCRHVA in the MLUL per NJDEP. Expand on the local annex to the county HMP to include climate impacts for temperature, precipitation, flooding, heat island, and vulnerability of public and private potable wells, pump stations and wastewater treatment. <ul style="list-style-type: none"> <li>o Identify and document any utility sites, facilities, equipment, conveyance piping, overhead utility lines, etc. that may be vulnerable to climate impacts or other environmental hazards.</li> <li>o Confirm the condition and capacity of these utility sites, facilities, equipment, etc.</li> <li>o DEP strongly advises against new utility development in areas identified as vulnerable to natural hazards in current and projected condition. Findings from the CCRHVA should guide strategies and actions to increase resilience and reduce risk moving forward.</li> </ul>
C2	Climate Resilience Planning	*	Review and update the Flood Damage Protection Ordinance with the current NJ Riverine Model Ordinance (revised 2020) at <a href="https://www.nj.gov/dep/floodcontrol/modelord.htm">https://www.nj.gov/dep/floodcontrol/modelord.htm</a> in order to stay compliant with NFIP.	Planning Board and governing Body	DEP	Dependent on DEP assistance	Date of Flood Loss ordinance? ( Ecode360) NJDEP updated the model ordinance in December 2020 to be compliant with NFIP. The model coastal ordinance provided by NJDEP can be found at <a href="https://www.nj.gov/dep/floodcontrol/modelord.htm">https://www.nj.gov/dep/floodcontrol/modelord.htm</a>
C3	Climate Resilience Planning		Review the Blue Acres Program and see if it might be an option for the Non-mitigated repetitive loss properties in the community.	Governing Body	DEP, OEM, FEMA		Check HMP for # Repetitive loss properties and Severe Repetitive Loss property, # NFIP properties; # claims etc. (132 NFIP policies with 101 losses during participation).

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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. Consider approving incentives for using innovative roofing alternatives and materials.	Planning Board and governing Body	OPA, NJDEP technical assistance	1-3 years	Sustainable Jersey points and support
D2	Land Use	*	Review and update Master Plan and all associated elements to consider climate resiliency and socially vulnerable populations.	Planning Board and governing Body	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 and 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 idate? The municipality follows all regulations set forth by the NJDEP with regards to flood hazard area regulation, wetlands, etc. It does not site or recommend siting any affordable housing projects within a flood zone or a hazardous area.
D4	Land Use		Consider adopting an Accessory Dwelling Unit (ADU) Ordinance in residential zones	Planning Board	OPA/SJ		
D5	Land Use		Update the Open Space & Recreation Plan (OSRP). Explore open space and recreation opportunities with the State and County. Explore purchases of additional properties for active recreation, preservation and flood protection.	Work with County	Green Acres Funding and County as applicable.	1-3 years after CCRHVA	Petitioner will work closely with Green Acres, local advisory committee, County, County Improvement Authority and property owners to negotiate the purchase of properties to be permanent open space.

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D6	Land Use	*	Add appropriate Overlay Zones to Zoning Ordinance/Map.	Planning Board		After CCRHVA	The municipality's zoning ordinance should be updated to include overlays that address stormwater management, aquifer recharge, steep slopes, 100 year and 500 year flood zones and critical habitat and habitat corridors. This includes a CES overlay for structures in the 100 year and 500 year flood zone and environmentally sensitive areas (ESA).
D7	Land Use	*	Establish an affordable housing obligation and plan through a settlement agreement (if warranted), create a spending plan and work to meet it as needed. Be sure to avoid flood hazard areas when siting affordable housing.	Governing body, planning board	DCA, OPA	dependant on situation.	DCA determines which communities meet the bar for PE - depending on community housing market, demographics, current need etc.
D8	Land Use		Vacant Landf Inventory	Governing body, planning board	DCA, OPA, DEP		
E1	Energy	*	• Public EV charging infrastructure feasibility and supporting ordinances	Planning Board, Governing Body & Green Team	BPU, DEP, SJ possible \$\$	1-2 years	Sustainable Jersey points and support The Township adopted the EV ordinance.
E2	Energy		Make your town EV Friendly (choose 3) *update zoning ordinances to require pre-wiring	Planning Board, Governing Body &	BPU, DEP, SJ possible \$\$	(Endorsed communities must	Sustainable Jersey points and support The Township has adopted the state's model ordinance for Electric
E3	Energy	*	Develop a community GHG Reduction Action Plan, including GHG reduction targets. GHG reduction actions should be incorporated into	Planning Board, Governing Body & Green Team	Bd of Public Utilities (BPU) Clean Energy	Timeline as provided PE guidelines (2 years	see DVRPC report
E4	Energy	*	Energy Tracking & Management - establish energy use baselines, tracking, mgt & reporting systems	Governing Body		Year 1	<a href="https://www.sustainablejersey.com/actions/#open/action/482">https://www.sustainablejersey.com/actions/#open/action/482</a>
E5	Energy		Greening the municipal fleet: • Fleet Inventory and target for green fleet conversion.	Governing Body	Sustainable Jersey points and support	must do year 1	
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	BPU, DEP, SJ possible \$\$	must do 3 within 4 years	Sustainable Jersey points and support

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E7	Energy		Implement energy efficiency measure for facilities	Governing Body	BPU, DEP, SJ possible \$\$		Sustainable Jersey points and support
E8	Energy		Greening the municipal fleet: * Trip optimization software * Proper vehicle maintenance * Driver training *purchase electric	Governing Body	BPU, DEP, SJ possible \$\$	recommended	Sustainable Jersey points and support
E9	Energy		Greening the municipal fleet: • purchase electric vehicles to achieve 20% reduction in fuel use w/in 4 years .	Governing Body	BPU, DEP, SJ possible \$\$	must initiate by yr. 2 (can be multi-year)	Sustainable Jersey points and support
F1	Conservation	*	Tree Protection Ordinance , Tree Risk Assessment Plan as needed. Consider NJUCG accreditation	Planning Board, Governing Body & Green Team	DEP - Bureau of Sustainability; NJDEP Parks and Forestry; NJ Forest Fire Service; Sustainable Jersey	2-3 years	Compare to Woolwich ( <a href="https://ecode360.com/14140851">https://ecode360.com/14140851</a> ) or Haddonfield ( <a href="https://ecode360.com/10200060">https://ecode360.com/10200060</a> ). Also, NJDEP Urban and Community Forestry guidelines are here: <a href="https://www.state.nj.us/dep/parksandforests/forest/community/Information_for_Municipalities.html">https://www.state.nj.us/dep/parksandforests/forest/community/Information_for_Municipalities.html</a>
F2	Conservation	*	Adopt a wellhead protection ordinance in addition to the Environmentally Critical Area protection with specifics to protect water quality and public health.	Planning Board, Governing Body & Green Team	DEP	2-3 years	sample provided
F3	Conservation	*	Develop and adopt a Water Conservation Ordinance that is mutually agreeable to the Township and DEP	Planning Board, Governing Body & Green Team	DEP	2-3 years	Sample provided
F4	Conservation		Prepare and adopt a Habitat Conservation Plan and protection measures to maintain habitat. Coordinate with county and surrounding municipalities to expand corridors of open space and natural features to support habitat connectivity.	Planning Board, Governing Body & Green Team	DEP technical assistance and funding	2-3 years	The Habitat Conservation may potentially be included as part of the Conservation Plan rather than an individual plan. NJDEP Connecting Habitats Across NJ (CHANJ) mapping can be of assistance to identify potential corridors <a href="https://www.njfishandwildlife.com/ensp/chanj.htm">https://www.njfishandwildlife.com/ensp/chanj.htm</a>

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F5	Conservation	*	Review and update as necessary the Natural Resource Inventory, including climate change observations and concerns as they are relevant. DEP can assist with identifying what to update.	Planning Board, Governing Body & Green Team	DEP	1-3 years After CCRHVA	Incorporate findings from the CCRHVA, and CES overlays as appropriate.
F6	Conservation	*	Review and update as necessary the inventory of contaminated sites, identify if any of these Known Contaminated Sites (KCS) are within the proposed center and/or are vulnerable to climate change.	Planning Board, Governing Body & Green Team		1-3 years After CCRHVA	Review and update with climate impact considerations, findings from the CCRHVA, and CES overlays as appropriate. The Township follows the mapping and inventory provided by the NJDEP.
F7	Conservation	*	Adopt a stream corridor/Riparian Zone protection ordinance	Planning Board, Governing Body & Green Team		1-3 years After CCRHVA	Review and update with climate impact considerations, findings from the CCRHVA, and CES overlays as appropriate.
G1	Transportation & Circulation	*	Incorporate Complete and Green Streets policy and Implementation Plan into the Circulation Element of the Master Plan.	Planning Board, Governing Body & Green Team	NJDOT, SJ, DVRPC	2-3 years	Samples provided
G2	Transportation & Circulation	*	Update the Circulation Element of Master Plan to address opportunities for shared parking, goods movement, improvements to bicycle and pedestrian access and transit, along with continued growth in the community. In particular, reduce congestion and ensure that non-vehicular transportation is encouraged.	Planning Board, Governing Body & Green Team	NJDOT, DVRPC	3 years	Municipality agrees to work on the Circulation Element.
G3	Transportation & Circulation		Implement expansion of bike/ped network.	Governing Body, Planning Board	NJDOT, DVRPC		
H1	Transit		Pursue improved transit facilities including increased offerings, heightened safety and dependability, and ridership enticements including covered bus stops.		Coordinate between Municipality (s), County, NJ Transit and		NJ Transit and DOT*Coordinate between Twp, County, NJ.

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11	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.	Governing Body, Planning Board, Municipal utilities authority	NJ American Water, BCBC, DEP	1-3 years after CCRHVA	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.
12	Infrastructure	*	Confirm that the County has submitted a WMP with a local Chapter and a new FWSA map pursuant to 7:15-4.2 (c)	County with municipal	NJDEP		
13	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.	Engineer, Governing Body and Planning Board	DEP and Cape May County technical assistance	1-2 years	
14	Infrastructure		Adopt an Impervious Surface Reduction Ordinance. Incorporate expected increases in precipitation and temperature related to adverse impacts of climate change into an impervious surface reduction ordinance. Include measures to manage stormwater on-site rather than as runoff ; Future redevelopment projects shall incorporate means to minimize and/or reduce new and/or existing impervious surfaces.	Governing body	NJDEP		
15	Infrastructure/ Utilities	*	Initiate conversations with the county about a regional wastewater plant out o f the flood zone	Governing Body, Planning Board, Municipal utilities authority	NJDEP		

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I6	Infrastructure/ Utilities	*	Discuss permit options for drainageways; maintanance/emergency repairs	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, OPA		Sustainable Jersey points and support
J2	Sustainability	*	Streamline zoning code and permitting requirements to encourage solar and geothermal.	Planning Board, Governing Body & Green Team	DEP, BPU, SJ	1-2 year	Sustainable Jersey points and support
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.	DEP, Sustainable Jersey	Recommended. Report on progress in biennial review		
J4	Sustainability		Statement of consistency and recycling ordinance		SJ, OPA, Clean Communities		(Seeking clarity on what a 'statement of consistency' is...)
K1	Economic Development		Prepare an economic sustainability plan working regionally as appropriate. S		BCBC, OPA, DVRPC, DEP, SJ		



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L1	Historic Resources	*	Review and update Historic Preservation Inventory. Historic structures should be protected with enhanced stormwater management plans and flood minimization plans.	Governing Body	SHPO, County	Report on progress in biennial review	Review the NJ Historical Commission's (NJ Department of State) grant program at <a href="http://www.nj.gov/state/divisions/historical/grants">http://www.nj.gov/state/divisions/historical/grants</a> . Work with SHPO to develop planning documents some guidance is provided at : <a href="https://www.nj.gov/dep/hpo/images/_MULT_DG_32_v2_ID14078r.pdf">https://www.nj.gov/dep/hpo/images/_MULT_DG_32_v2_ID14078r.pdf</a>
L2	Historic Resources		Prepare Historic Resources Element	Governing Body	SHPO, County	Report on progress in biennial review	Review the NJ Historical Commission's (NJ Department of State) grant program at <a href="http://www.nj.gov/state/divisions/historical/grants">http://www.nj.gov/state/divisions/historical/grants</a> . Work with SHPO to develop planning documents some guidance is provided at : <a href="https://www.nj.gov/dep/hpo/images/_MULT_DG_32_v2_ID14078r.pdf">https://www.nj.gov/dep/hpo/images/_MULT_DG_32_v2_ID14078r.pdf</a>
M1	Planning	*	Update the Community Facilities Plan	Planning Board	Technical assistance	3 years	
M2	Planning	*	5 year Capital Improvement Plan as per MLUL	Governing Body			
M3	Planning		Prepare and adopt a Farmland Preservation Plan. Coordinate efforts with 2018 County Farmland		NJDA		Utilizes the County's Farmland Preservation Plan as a guide and can adopt a resolution accepting the current
N1	Environmental Justice	*	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.