



Sustainable CT Community Certification Report

This is the Sustainable CT Certification Report of West Haven, a Sustainable CT bronze certified applicant.

West Haven was certified on October 28, 2019 with 390 points. Listed below is information regarding West Haven's Sustainable CT efforts and materials associated with the applicant's certified actions.

Contact Information

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Actions Implemented

Each approved action and supporting documentation for which West Haven was approved for in 2019 appears below. Please enjoy this opportunity to view and learn from the information and materials provided.

Notes: Submission content was created by West Haven, and Sustainable CT makes no claims, promises or guarantees about the accuracy, completeness, or adequacy of the submission, beyond that an individual reviewer approved at least some elements of the action for certification. Further, standards for actions below may have changed, and the documentation listed may no longer satisfy requirements for that action. Finally, approved actions here may include some documents and descriptions in support of action elements that were not approved, in addition to elements that were approved. In preparing your own application, please rely only on the action write-ups for the current certification year to guide your submission. Please contact info@sustainablect.org with specific questions.

1. Thriving Local Economies

1.1 Support Redevelopment of Brownfield Sites

10 Points

Approved Information: 1.1.1 [5 points] Brownfields inventory attached, updated as of 10/1/2019. 1.1.2 [5 points] Maps of Brownfield sites (hidden to maintain confidentiality of private owner sites)

Supporting Documentation:

EXCEL: [REVISED BROWNFIELDS INVENTORY](#)

PDF: [HAVEN SOUTH REDEVELOPMENT PLAN](#)

Documentation Details: 1.1.1 Upon review of the requirements for this action, we have determined we have only six sites formally identified as "brownfields" in West Haven. The other sites previously provided included contaminated or potentially contaminated sites as well as brownfields. We have attached a new inventory in the required format and have reduced our requested points to 10 for the six sites. Only three of the six sites appear on the inventory because the other three are privately owned and have not given permission to be included here. We have also attached a map showing these six sites, taken from the EPA website here: [https://ofmpub.epa.gov/apex/cimc/?p=cimc:MAP:::71:P71_WELSEARCH:NULL%7CCleanup%7C%7C%7Ctrue%7Cfalse%7Cfalse%7Cfalse%7Cfalse%7C%7C%7Csites%7CY](https://ofmpub.epa.gov/apex/cimc/?p=cimc:MAP:::71:P71_WELSEARCH:NULL%7CCleanup%7C%7C%7Ctrue%7Cfalse%7Cfalse%7Cfalse%7Cfalse%7C%7C%7Csites%7CYp=cimc:MAP:::71:P71_WELSEARCH:NULL%7CCleanup%7C%7C%7Ctrue%7Cfalse%7Cfalse%7Cfalse%7Cfalse%7C%7C%7Csites%7CY) Text of original Documentation Details as follows: West Haven's grant writer maintains the inventory of Brownfields in the City. Unfortunately, she unexpectedly retired as this application was being prepared, and was unavailable to address questions about the properties on the list. A replacement for her had not been hired as of the date of this application. It appears that some properties on the list may not be actual "brownfields," but places where there may have been some sort of environmental contamination at one point in time. Some of these have been remediated, some are in process. We decided to err on the side of thoroughness and included all properties the City had so identified on the SCT template (and maps) with as much information as was available for them. In addition to the listing contained in the SCT template, we've also attached the CT DEEP list of Contaminated or Potentially Contaminated Sites as a cross reference. Note "Potentially Contaminated" does not qualify as brownfield. Photos of properties are available on the West Haven GIS site, <https://westhaven.mapxpress.net/>, link also supplied on the inventory. Properties outlined in brown are or were on the EPA Brownfields list. Several properties on the City were recently acquired for redevelopment by The Haven Group. Please see attached The Haven South Municipal Redevelopment Plan for details on the environmental assessments for those properties.

1.6 Participate in and Promote the C-PACE Program

10 Points

Approved Information: 1.6.1. [5 points] Resolution to participate in C-PACE 1.6.3. [5 points] One completed project in the past three years

Supporting Documentation:

PDF: [CPACE RESOLUTION.PDF](#)

PDF: [CPACE MUNICIPAL AGREEMENT EXECUTED.PDF](#)

EXCEL: [C-PACE PROJECTS - WEST HAVEN, CT.XLSX](#)

IMAGE: [SCREEN SHOT OF C-PACE ON CITY WEBSITE](#)

Documentation Details: 1.6.1. [5 points] West Haven passed a resolution to opt-in to C-PACE on October 28, 2013 (copy attached). A legal agreement was signed on May 6, 2014 (copy attached). Information on the C-Pace program is on the City's website (screenshot attached). 1.6.3. [5 points] Only one project has been approved for and closed with C-PACE financing in the past 3 years.

2. Well-Stewarded Land and Natural Resources

2.1 Provide Watershed Education

5 Points

Approved Information: 2.1.1 [5 points] Project to stencil storm drains.

Supporting Documentation:

PDF: [STORM DRAIN STENCILING WORKSHOP](#)

IMAGE: [STENCIL USED](#)

IMAGE: [PICTURE FROM WORKSHOP](#)

IMAGE: [STENCIL PICTURE #1](#)

IMAGE: [STENCIL PICTURE #2](#)

Documentation Details: 2.1.1 The City publicized a new effort to stencil storm drains in high traffic areas on its website, in its "City Notes" emailed newsletter, and on its Facebook page. A map of all the storm drains was given to the project leader. The initial goal is to stencil 200 drains, eventually involving community groups of all kinds to stencil all 5,000 in the City. First efforts took place on August 17, 2019.

2.2 Create a Watershed Management Plan

20 Points

Approved Information: West Haven is a party to the West River Watershed Plan (August 2015). 2.2.1 (10points) a. Appendix A Technological Memorandum #1 to the contains a Natural Resources Inventory. b. All the map references are from Appendix A. Technological Memorandum #1 c. Map references are from Appendix A Technological Memorandum #1 2.2.3 (10 points) Action Plan is contained in the WRWP.

Supporting Documentation:

PDF: [HARBOR MANAGEMENT PLAN](#)

PDF: [WEST RIVER WATERSHED PLAN](#)

PDF: [INLAND WETLANDS AND WATERCOURSE REGULATIONS](#)

PDF: [APPENDIX A TECHNOLOGICAL MEMORANDUM #1](#)

PDF: [CTECO ACQUIFER MAP](#)

Documentation Details: 2.2.1 a. Inventory: The natural resources, such as the Tidal marshes, wetlands and some geologic features are included in the WRMP Appendix A, Technical Memorandum #1 (pages 24-30). The wildlife and the marine life are present in the database of the CTDEEP and explained in the plan on pages 31-33. 2.2.1 b. Maps are from the West River watershed plan, Appendix A. I. Headwaters and Vernal pools/lakes (Fig: 2-1, p. 7). II. Riparian Zone (Fig: 4-4, p. 35) III. West Haven possible aquifers (<http://cteco.uconn.edu/maps/state/ctsurficialaquiferpotential.pdf>) IV. Land cover map (p. 52). 2.2.1 c. Combined sewer overflow (possible pollutant inflow areas) (Fig: 5-1, p. 40) Land use map (Fig: 6-1, p. 49) A detailed data on type and quantity of pollutant load in the West River is given in the WRWP Appendix A Technical Memorandum #1 (pages 65-68). See also WRWP pp.83-85. 2.2.2 a., b., c. Watershed protection goals are contained in the WRWP, pp. 13-15. I. Capacity building, II. Water Quality, III. Habitat Protection and Restoration. IV. Sustainable Land Use, Open space, and public access. V. Education and Stewardship. Both West Haven's Inland Wetlands and Watercourse Regulations, "IWWR," which regulate activity within 100 feet of wetlands and 200 feet of watercourses and the Harbor Management Plan "HMP" which "Coordinate(s) planning, management, and regulatory actions with New Haven and other communities with jurisdictions in the watershed to advance the goals and recommendations of the West River Watershed-Based Plan (p. 7-4) align with the Watershed Protection goals. 2.2.3 The action plan of West River watershed protection is contained in the West River Watershed management plan (2015). This plan states the goals and objectives of restoring and maintaining the West River watershed, its health and the marine life it supports. See recommended actions in each category of Chapter 3. "Management Recommendations," and pp. 57-58 on West River Tidal Marsh restoration (submitted for credit under Action 2.3.1.)

Partners: The WRWP is a collaborative effort among the towns of New Haven, West Haven, Hamden, and Woodbridge. Woodbridge used its participation in the WRWP for full credit for Action categories in 2.2 in 2018.

2.3 Engage in Watershed Protection and Restoration

30 Points

Approved Information: 2.3.1 Completion of Action Plan projects (15 points) 2.3.2 Source Water/Riparian Corridors Regulatory Protection (15 points).

Supporting Documentation:

PDF: [HARBOR MANAGEMENT PLAN](#)

PDF: [INLAND WETLANDS AND WATERCOURSE REGULATIONS](#)

PDF: [POCD](#)

PDF: [WEST RIVER TIDAL MARSH RESTORATION](#)

PDF: [COASTAL RESILIENCE PLAN DRAFT](#)

PDF: [WEST RIVER WATERSHED MANAGEMENT PLAN APPENDIX A, TECHNICAL MEMORANDUM #1.PDF](#)

PDF: [WEST-HAVEN-STORMWATER-MANAGEMENT-PLAN-PDF.PDF](#)

Documentation Details: West Haven's Harbor Management Plan "HMP" (2018) includes all of the navigable waters and intertidal areas within the City's municipal jurisdiction on the West River, New Haven Harbor, nearshore Long Island Sound, Old Field Creek, and the Cove and Oyster rivers. In addition, the City's Inland Wetlands and Watercourses regulations ("IWWR") are designed to protect riparian corridors, and the Stormwater Management Plan "SMP" (2017) establishes methods and priorities for addressing various ways to reduce pollutant loads, see esp. BMP 6-5. 2.3.1 (15 points) West Haven is requesting credit for completion of the restoration of the 62-acre West River tidal marsh, described in the WRWP Appendix A, pp. 28-30. Also attached Power Point of project. 2.3.2 (15 points) The City of West Haven addresses the protection of the Riparian Corridors with a range of plans and regulations. The POCD includes strategies and goals to protect and restore the riparian corridors in the West River watershed see p. 128 and pp. 133-134. Sections 4 and 5 of IWWR ensure the protection of the watercourses and inland wetland areas in the city of West Haven. Section 7.6(A) specifically refers to runoff data/control. West Haven's Coastal Resilience Plan, ("CRP" March 2017) outlines completed and planned restoration of tidal wetlands in the city of West Haven (pp. 12-14 and pp. 36-38) and the HMP recommends watershed-based planning initiatives, specifically with reference to the West, Cove and Oyster Rivers, as well as Old Field Creek's smaller watershed. See goals on pp. 5-6 through 5-8.

Partners: The restoration of the West River tidal marsh was accomplished with partners in the WRWP.

2.4 Develop an Open Space Plan

40 Points

Approved Information: 2.4.1. Inventory [10 points] 2.4.2 Priorities [5 points] 2.4.3. Develop an open space plan [10 points] 2.4.4. Protect open space [10 points] 2.4.5. Increase open space [5 points]

Supporting Documentation:

PDF: [POCD](#)

PDF: [COASTAL RESILIENCE PLAN](#)

PDF: [HARBOR MANAGEMENT PLAN](#)

EXCEL: [OPEN SPACE INVENTORY](#)

PDF: [WESTHAVEN_BUYOUTS.PDF.PDF](#)

PDF: [2.4.5. WEST HAVEN SALT MARSH ADVANCEMENT ZONE ASSESSMENT_SMALL REDUCED.PDF](#)

PDF: [USDA FLYER ON FLOODPLAIN EASEMENT PROGRAM](#)

PDF: [APPENDICES TO COASTAL RESILIENCE PLAN](#)

PDF: [LIST OF FLOODPLAIN PROPERTIES ACQUIRED TO DATE](#)

PDF: [NEW HAVEN REGISTER ARTICLE](#)

PDF: [CT MIRROR ARTICLE](#)

PDF: [OPEN SPACE PLAN](#)

Documentation Details: 2.4.2 To date, West Haven's open space priorities have been driven by its efforts to improve coastal resilience. The City participates in the Federal Floodplain easement program: <https://www.nrcs.usda.gov/wps/portal/nrcs/detail/ct/programs/financial/ewp?cid=stelprdb1244478>, implemented by the Department of Agriculture's Natural Resources Conservation Service. See flyer attached. More information on how this project was used in West Haven can be found in the New Haven Register article: <https://www.nhregister.com/connecticut/article/West-Haven-s-resiliency-projects-near-Sandy-11327219.php> and this from CT Mirror, <https://ctmirror.org/2018/01/08/sandy-5-irene-6-coastal-resilience-still-elusive-and-expensive/> 2.4.3 West Haven's POCD identifies a goal of designating undeveloped space not currently so zoned as Open Space, especially land that is environmentally sensitive, contains significant natural resource, or provides linkages to or between existing open space and other destination points (p. 125, pp. 142-143) It also refers to the Federal Easement program (pp. 110-113). West Haven has completed Phases I and II of the acquisition process and will be entering Phase III. The City's CRP recommends expanding open space by acquiring properties in flood-prone neighborhoods (p. 43) and unused industrial sites. Appendix A of West Haven's Coastal Resilience Plan refers to the goal of creating more open space in neighborhoods lacking such facilities, creating a park of approximately 20 acres in the Allingtown neighborhood, and protecting/restoring the tidal estuary of the Oyster River (pp.13-14). Finally, Open Space acquisition is also a recommendation of the "Water and Waterfront Access Policies" (6.1.3) of the West Haven Harbor Management Plan (pp. 6-16 to 6-17 and pp. 6-19 to 6-21). See also the Salt Marsh Advancement Assessment prepared by the Nature Conservancy which informs open space decisions. All documents attached. Standalone document outlining West haven's open space plan attached 10/4/2019. 2.4.4 The properties acquired as part of the Federal Floodplain Easement program (link: <https://www.nrcs.usda.gov/wps/portal/nrcs/detail/ct/programs/financial/ewp?cid=stelprdb1244478>) are protected and can never be developed. The coastal FEMA flood-prone areas are subjected to protection, see Appendix E and Appendix F of the West Haven CRP. Additionally, West Haven has protected a 42-acre parcel of its coast with a land trust easement, prohibiting development of this Open Spaces: Savin Rock Shorefront property and 410 Savin Avenue in perpetuity. Copy of Land Trust Easement is submitted under separate cover. 2.4.5 The Federal Floodplain Easement program is an active open space acquisition program. Thirteen properties were acquired in Phase I. Five of the seven properties in Phase II have been acquired; two are in process. At that point we will enter Phase III. List of properties acquired attached.

2.5 Create a Natural Resource and Wildlife Inventory

15 Points

Approved Information: 2.5.1 [10 points] Natural Resource Inventories 2.5.2 [5 points] Municipal integration of NRW Inventories

Supporting Documentation:

PDF: [POCD](#)

PDF: [HARBOR MANAGEMENT PLAN](#)

PDF: [WEST RIVER WATERSHED MANAGEMENT PLAN APPENDIX A, TECHNICAL MEMORANDUM #1.PDF](#)

PDF: [WH COASTALRESILIENCEPLANAPPENDICESDRAFT.PDF](#)

PDF: [CTECO BASE MAP](#)

IMAGE: [LAND COVER MAP](#)

IMAGE: [SOILS MAP](#)

PDF: [GIS MAP LEGEND](#)

PDF: [CTECO DRAINAGE BASINS MAP](#)

IMAGE: [CTECO \[IMPAIRED\] SURFACE WATERS MAP](#)

PDF: [CT SURFICIAL ACQUIFER MAP](#)

PDF: [CTECO NATURAL DIVERSITY MAP](#)

IMAGE: [SCRCOG OPEN SPACE MAP](#)

Documentation Details: 2.5.1 West Haven's Natural Resource Inventories are included in the POCD, pp. 126-134 and the HMP, pp. 2-7 to 2-12, and the WRWP Appendix, pp. 24-33. Also, the maps are linked on the CTECO site: I. Base map: Found in the POCD, p. 16. Link to the CTECO viewer: <https://cteco.uconn.edu/viewers/ctimagery/>, pdf of that base map attached. II. Land cover: Map available at <http://clear.uconn.edu/projects/landscape/CT/landcoverviewer.htm>. pdf of that map attached. III. Soils and hydrology can be viewed as individual layers on the West Haven GIS map. https://westhaven.mapxpress.net/ags_map/ (not possible to print individual layers, but Map Legend is attached as pdf. CTECO also has soil type layers on map here: https://cteco.uconn.edu/map_catalog.asp?town=156#mapcat. CTECO map of Surficial aquifer potential attached. IV. Impaired waters: The 2016 Impaired waterbodies for the City of West Haven can be viewed here: <https://cteco.uconn.edu/viewers/ctms4/>. PDF of map attached. V. Natural Diversity Database map here: http://cteco.uconn.edu/maps/town/nddb/nddb_WestHaven.pdf, pdf of map attached. VI. SCRCOG OS viewer: <https://www.arcgis.com/apps/webappviewer/index.html?id=521bd79622694c30ab83b0c997d4efe2&extent=-8156128.9694%2C5035187.6254%2C-8058289.5732%2C5100694.1587%2C102100>, pdf of map attached. VII. Elevations for City of West Haven are shown on the City's GIS map when filtered for "Contours." This only appears when the map is expanded, so it is not possible to print it here. Less specific elevation is also shown here, when "Contours" is selected: <https://cteco.uconn.edu/viewer/index.html?viewer=advanced> VIII. Drainage Basin map here: http://cteco.uconn.edu/maps/town/basin/basin_WestHaven.pdf, copy attached. 2.5.2 The Natural and Coastal Resources Inventories are identified in the West Haven POCD as an asset to the City of West Haven (pp. 126-134). The HMP includes an emphasis on protecting the natural resources (pp. 2-7 to 2-12) which the Coastal Resilience Plan Appendix A underscores (pp.10-13).

2.8 Implement Low Impact Development

5 Points

Approved Information: 2.8.1 [5 points] Implementation project --Rain Garden on public school site.

Supporting Documentation:

PDF: [STORMWATER RUNOFF REDUCTION PLAN](#)

IMAGE: [RAIN GARDEN PIC1](#)

IMAGE: [RAIN GARDEN PIC2](#)

IMAGE: [RAIN GARDEN PIC3](#)

Documentation Details: 2.8.1 As part of UConn's CLEAR program, during the summer of 2018, a team of UConn students and Extension faculty performed an evaluation of potential stormwater enhancement opportunities in West Haven. A project site was selected (with an emphasis on maximum visibility) and a rainwater garden was installed during the month of August 2019. This raingarden is projected to be able to handle 40,000 gallons of storm water annually. See attached Stormwater Runoff Reduction Report, which gives info on all sites that were considered, including the one at Pagels School, where the raingarden was ultimately installed. Information on this project was posted on the City's "Sustainability in West Haven" webpage <http://www.cityofwesthaven.com/325/Sustainability-in-West-Haven> and on Facebook. Some pictures of the project have also been attached here.

Partners: The City engineer, Abdul Quadir, worked with UConn's Mike Dietz of the CLEAR program as well as with a local landscape firm, Soundview Landscape Supply to get this project done. The project was paid for with a grant from the Long Island Sound Futures Fund of the National Fish and Wildlife Foundation.

3. Vibrant and Creative Cultural Ecosystems

3.1 Map Tourism and Cultural Assets

5 Points

Approved Information: 3.1.2 [5 points] Update CTVisit profile.

Documentation Details: 3.1 We have updated as much as we were able to of West Haven's profile on CTVisit, including the Introduction, the Top 5 Attractions, the "Quality of the town/city," as many pictures as we could add (5), and shopping options. See <http://www.ctvisit.com/listings/town-west-haven> In spite of trying to remove restaurants that have closed and add new ones via email to the CTVisit Publications & Print and Listing Editor, as of 8.28.19, restaurant listings had not been updated. Additionally, it should be noted that it is not possible to use the CTVisit search to find the City of West Haven listing. You need to have the exact weblink in order to see the page. If you search for "City of West Haven," you just get a list of various items in the New Haven region plus, anomalously, the Quaker Diner in West Hartford. West Haven's website does have a direct link to its page on the CTVisit site.

3.2 Support Arts and Creative Culture

10 Points

Approved Information: 3.2.1 West Haven's Poet Laureate was named April 29, 2019 3.2.2 Poetry reading advertised in City-wide email, on the the City website, and on Facebook, 3.2.5 West Haven's Council on the Arts (10 points)

Supporting Documentation:

PDF: [APPOINTMENT OF POET LAUREATE](#)

PDF: [MUNICIPAL MARKETING OF CULTURAL EVENT](#)

PDF: [LETTER FROM MAYOR ROSSI ON WEST HAVEN COUNCIL ON THE ARTS](#)

IMAGE: [POETRY READING NOTICE ON CITY WEBSITE](#)

IMAGE: [POETRY READING NOTICE ON CITY'S FACEBOOK PAGE](#)

Documentation Details: 3.2.1 Copy of notice of appointment of poet laureate attached 3.2.2 Copies of municipal marketing material attached. 3.2.5 a. See paragraph 3 of attached letter from Mayor confirming status of West Haven Council on the Arts. b. WHCA's mission is communicated on its website <http://www.artswesthaven.org/> as follows: "The West Haven Council On The Arts is a coalition of citizens dedicated to strengthening and promoting art, cultural events, and tourism in our community. We seek to enrich the cultural experience, build future audiences, and provide meaningful, empowering, creative, and educational opportunities for learners of all ages and backgrounds. We often reach out to other organizations in the community to participate in events and activities that nurture an appreciation of artistic endeavors in all media." The WHCA also maintains a Facebook page, <https://www.facebook.com/artswesthaven/>.

4. Dynamic and Resilient Planning

4.1 Integrate Sustainability into Plan of Conservation and Development and Zoning

80 Points

Approved Information: 4.1.2 Sustainability concepts in POCD (40 points for concepts 1-5, 8 and 9), adopted 2017 4.1.4 Sustainability concepts in Land Use and Zoning Regulations (40 points for concepts 1-5, 7 and 8), rev to Dec 2018

Supporting Documentation:

WORD: [WORKSHEET A](#)

WORD: [WORKSHEET B](#)

WORD: [WORKSHEET C](#)

PDF: [POCD](#)

PDF: [COASTAL RESILIENCE PLAN](#)

PDF: [HARBOR MANAGEMENT PLAN](#)

PDF: [SCROG HAZARD MITIGATION PLAN](#)

PDF: [WH COASTALRESILIENCEPLANAPPENDICESDRAFT.PDF](#)

Documentation Details: 4.1.1. [5 points] West Haven participates in multiple strategic plans for hazard mitigation, among them being the Coastal Resilience Plan, the Harbor Management Plan, and the SCRCOG Hazard Mitigation Plan, all of which are explicitly incorporated by reference into the Plan of Conservation and Development. We have attached the POCD, the Coastal Resilience Plan, the Appendices to the Coastal Resilience Plan, the Harbor Management Plan, and the SCRCOG Hazard Mitigation Plan as updated in 2018. Worksheet A and a copy of our POCD are attached. 4.1.2. [40 points] West Haven's POCD incorporates actions towards sustainability in all or most of the listed categories, either directly or by reference to applicable sections of the Harbor Management Plan and the Coastal Resilience Plan, which are incorporated into the POCD by reference. Worksheet B and a copy of the POCD are attached. Land Use and Zoning 4.1.1 [40 points] Worksheet C and a copy of the Inland Wetlands and Watercourses regulations are attached.

4.3 Develop Agriculture-Friendly Practices

10 Points

Approved Information: 4.3.6 Community Gardens (10 points), updated 7/15/19

Supporting Documentation:

PDF: [WHCG FLYER 2019.PDF](#)

PDF: [WHCG GARDEN WORKSHOPS.PDF](#)

IMAGE: [PICTURE OF COMMUNITY GARDEN](#)

Documentation Details: West Haven's Community Garden was established on municipally-owned land behind the Molloy School over 5 years ago and has been in operation ever since. <https://whcommunitygarden.files.wordpress.com/2014/04/unh-ad.jpg> Annually, they publish information via the City's informational mailings and in the West Haven Voice weekly newspaper, advertising the availability of plots and learning opportunities. Their website offers further resources for gardeners. <https://whcommunitygarden.org/> The flyer submitted with this application was also sent out to all K-8 schoolkids via the Board of Education.

4.4 Assess Climate Vulnerability

25 Points

Approved Information: 4.4.1 [10 points] Climate Vulnerability Assessments - primary impacts 4.4.2 [5 points] Secondary impacts of climate change 4.4.3 [10 points] Special Considerations of primary and secondary impacts on vulnerable residents 4.4.1. [10 points] West Haven has several Climate Vulnerability Assessments that appear in separate documents and largely overlap and reinforce each other (principally, the Coastal Resilience Plan, Appendices to that Plan, the SCRCOG Hazard Mitigation Plan "HMP," and the POCD). The primary vulnerabilities identified are: Coastal flooding -p. 4-369 of HMP Urban flooding -p. 4-373 of HMP Tropical storms(hurricane wind) -p. 4-370 of HMP Riverine flooding -p. 4-368 of HMP Coastal erosion -p. 4-373 of HMP Snow management - p. 4-373 of HMP HMP also lists Trees as a primary concern - p.4-373 Sea level rise is discussed in Section 2.3 of the Coastal Resilience Plan, pp 16-20, with specific vulnerabilities following in Section 2.4, pp. 20-21. See also Section 3.2.2 of Appendix B of the Coastal Resilience Plan, pp 6-12. Total vulnerabilities are listed in the pages 21 and 22 of Coastal Resilience Plan 4.4.2. [5 points] Secondary impacts of climate change are shown in West Haven's POCD, Appendix A of Coastal Resilience Plan, and the HMP, principally, -Effects on historic resources and their protection in pages 136 from POCD and page 14 of Coastal Resilience plan Appendix A. See also p. 4-361 in the HMP for mapping of these resources. -Social and economic effects are reviewed in Section 4.1.1 of Appendix B of the Coastal Resilience Plan, pp. 13-17 -Effects on natural and coastal resources including soils and wetlands, forests, watersheds, wildlife, coastal land and water resources in pages 126, 127, 128, 131, 132, 133, POCD, Section 4.1.6 of Appendix B pp. 26-27 and pp. 10 -13 of Coastal Resilience Plan Appendix A -Effects on infrastructure including transportation are reviewed in Sections 4.1.3 of Appendix B pp. 17-19. See also p. 27 in Appendix C on transportation. Special attention is paid to West Haven's Water Pollution Control Plant in Section 4.1.4 of Appendix B, pp. 21-23 and pp. 28-29 in Appendix C. The Plant lies within FEMA Special Flood Hazard Areas (SFHA), zone AE, and is identified as a specific vulnerability, together with many of West Haven's wastewater pumping stations, which are located at low elevations. Effects on Gas, Electricity, Telecommunications, Emergency Services, shelters, and evacuation are also reviewed, pp. 23-25 in Appendix B. -Effects on public water systems noted on p. 20 of Coastal Resilience Plan Appendix B -SCRCOG Hazard mitigation plan lists vulnerable community assets on page 4-374. The city has given consideration to residents inhabiting high-risk floodplain through its participation in the Federal floodplain easement program <https://www.nhregister.com/connecticut/article/West-Haven-s-resiliency-projects-near-Sandy-11327219.php> 4.4.3. [10 points] The city's department of Elderly Services provides comprehensive services to meet the needs of the older residents of the city. It provides services such as outreach and educational programs, medical equipment loan closet, transportation etc. There are two senior centers in West haven: The Allingtown Senior Center and the Robert A. Johnson Community Center. (Page 114 of POCD) Pages 14, 15, and 16 from Coastal Resilience Plan Appendix A review the secondary impacts of climate change and their direct effect on residential areas of low income and senior living buildings. With a median income of less than \$55,000, West Haven's residents overwhelmingly fall into the middle - low income level. Thus town-wide efforts are largely geared to vulnerable segments of its population.

Supporting Documentation:

PDF: [COASTAL RESILIENCE PLAN](#)

PDF: [SCROG HAZARD MITIGATION PLAN](#)

PDF: [APPENDICES A-H OF COASTAL RESILIENCE PLAN](#)

PDF: [POCD](#)

Documentation Details: 4.4.1. [10 points] West Haven has several Climate Vulnerability Assessments that appear in separate documents and largely overlap and reinforce each other (principally, the Coastal Resilience Plan, Appendices to that Plan, the SCRCOG Hazard Mitigation Plan "HMP," and the POCD). The primary vulnerabilities identified are: Coastal flooding -p. 4-369 of HMP Urban flooding -p. 4-373 of HMP Tropical storms(hurricane wind) -p. 4-370 of HMP Riverine flooding -p. 4-368 of HMP Coastal erosion -p. 4-373 of HMP Snow management - p. 4-373 of HMP HMP also lists Trees as a primary concern -p.4-373 Sea level rise is discussed in Section 2.3 of the Coastal Resilience Plan, pp 16-20, with specific vulnerabilities following in Section 2.4, pp. 20-21. See also Section 3.2.2 of Appendix B of the Coastal Resilience Plan, pp 6-12. Total vulnerabilities are listed in the pages 21 and 22 of Coastal Resilience Plan 4.4.2. [5 points] Secondary impacts of climate change are shown in West Haven's POCD, Appendix A of Coastal Resilience Plan, and the HMP, principally, -Effects on historic resources and their protection in pages 136 from POCD and page 14 of Coastal Resilience plan Appendix A. See also p. 4-361 in the HMP for mapping of these resources. -Social and economic effects are reviewed in Section 4.1.1 of Appendix B of the Coastal Resilience Plan, pp. 13-17 -Effects on natural and coastal resources including soils and wetlands, forests, watersheds, wildlife, coastal land and water resources in pages 126, 127, 128, 131, 132, 133, POCD, Section 4.1.6 of Appendix B pp. 26-27 and pp. 10 -13 of Coastal Resilience Plan Appendix A -Effects on infrastructure including transportation are reviewed in Sections 4.1.3 of Appendix B pp. 17-19. See also p. 27 in Appendix C on transportation. Special attention is paid to West Haven's Water Pollution Control Plant in Section 4.1.4 of Appendix B, pp. 21-23 and pp. 28-29 in Appendix C. The Plant lies within FEMA Special Flood Hazard Areas (SFHA), zone AE, and is identified as a specific vulnerability, together with many of West Haven's wastewater pumping stations, which are located at low elevations. Effects on Gas, Electricity, Telecommunications, Emergency Services, shelters, and evacuation are also reviewed, pp. 23-25 in Appendix B. -Effects on public water systems noted on p. 20 of Coastal Resilience Plan Appendix B -SCRCOG Hazard mitigation plan lists vulnerable community assets on page 4-374. 4.4.3. [10 points] The city's department of Elderly Services provides comprehensive services to meet the needs of the older residents of the city. It provides services such as outreach and educational programs, medical equipment loan closet, transportation etc. There are two senior centers in West haven: The Allingtown Senior Center and the Robert A. Johnson Community Center. (Page 114 of POCD) Pages 14, 15, and 16 from Coastal Resilience Plan Appendix A review the secondary impacts of climate change and their direct effect on residential areas of low income and senior living buildings. With a median income of less than \$55,000, West Haven's residents overwhelmingly fall into the middle - low income level. Thus town-wide efforts are largely geared to vulnerable segments of its population. The city has given special consideration to vulnerable residents inhabiting high-risk floodplain through its participation in the Federal floodplain easement program <https://www.nhregister.com/connecticut/article/West-Haven-s-resiliency-projects-near-Sandy-11327219.php>

5. Clean and Diverse Transportation Systems and Choices

5.1 Implement Complete Streets

5 Points

Approved Information: 5.1.2 [5 points] Complete Streets training, June 2019

Supporting Documentation:

PDF: [COMPLETE STREETS AND VISION ZERO, FRI, JUN 7, 2019 AT 10:00 AM | EVENTBRITE.PDF](#)

Documentation Details: 5.1.2 [5 points] The Assistant City Planner, Chair of the Planning and Zoning Commission, City Engineer, and another member of the P & Z Commission all attended the recent AAA Northeast Vision Zero/Complete Streets symposium, the focus of which was enhancing safe mobility strategies for all. The names and contact information for the attendees are David Killeen, DKilleen@westhaven-ct.gov; Kathy Hendricks, Khendricks@westhaven-ct.gov; Abdul Quadir, quadir@westhaven-ct.gov; Greg N. Milano, gregmmilano@gmail.com. The City is in process of completing its Complete Streets Plan, but it will likely not be formally adopted before the certification application deadline.

6. Efficient Physical Infrastructure and Operations

6.5 Develop a Municipal Energy Plan

10 Points

Approved Information: 6.5_MunicipalEnergyPlan (10 pts); Created 2010

Supporting Documentation:

PDF: [COMPREHENSIVE ENERGY PLAN](#)

PDF: [LETTER FROM MAYOR ROSSI ON WEST HAVEN'S COMPREHENSIVE ENERGY PLAN](#)

Documentation Details: Please see the second paragraph in the attached letter from Mayor Rossi for documentation of the implementation of the Energy Plan. As of 2019, the City has begun benchmarking and tracking its energy use via UI's Portfolio Manager system.

6.7 Install Efficient Exterior Lighting

5 Points

Approved Information: 6.7.1 Install Efficient Street Lights (5 points), completed May 2018

Supporting Documentation:

PDF: [UI LETTER DOCUMENTING CONVERSION](#)

PDF: [ROSSI LETTER.PDF](#)

Documentation Details: 6.7.1 Please see first paragraph in the attached letter from Mayor Rossi, documenting the City's pursuit of replacement of its High-sodium streetlights with LEDs. The letter from UI's Key Account Manager documents the conversion and savings realized.

7. Strategic and Inclusive Public Services

7.1 Hold a Sustainability Event

15 Points

Approved Information: 7.1 Sustainability Events [15 points] West Haven has sponsored more than 10 sustainability events during the past year.

Supporting Documentation:

IMAGE: [NOTICE OF MENUNKATUCK PLANT PICK-UP EVENT](#)

EXCEL: [SUSTAINABILITY EVENTS ON TEMPLATE.XLSX](#)

IMAGE: [FARMERS MARKET NOTICE ON CITY WEBSITE](#)

IMAGE: [FARMERS MARKET NOTICE IN WEST HAVEN VOICE](#)

Documentation Details: 7.1.1 West Haven sponsors twice-a-week Farmer's Markets mid-July until the end of October. The Tony Inzero Farmers Market on the Green in West Haven, CT was started in 1999 and provides the community with a wide variety of local produce. Between September 1, 2018 and August 30, 2019, the City will have sponsored 32 Farmer's Markets on the Town Green. See attached public notice, posted on the City website and sent to subscribers to the City's newsletter and similar notice in the West Haven Voice. 7.1.2 In a venture with Menunkatuck Audubon, West Haven offered the parking lot at Sandy Point Bird Sanctuary for Menunkatuck's annual native plant sale pick-up on May 11, 2018. A permit for this use was granted. Several tables were set up to display information on pollinators and invasive plant species, making this event interactive among those who came to pick up plants as well as those who, driving by the Sanctuary and seeing tents, stopped by to find out what was going on. The City sent information out on this event in its "City Notes" mailing and on its website.

7.5 Report Materials Management Data and Reduce Waste

5 Points

Approved Information: 7.5.1 [5 points] Municipal solid waste worksheets for three years and person responsible for collecting data.

Supporting Documentation:

PDF: [2019 RESIDENTIAL SOLID WASTE WORKSHEET](#)

PDF: [2018 RESIDENTIAL SOLID WASTE WORKSHEET](#)

PDF: [2017 RESIDENTIAL SOLID WASTE WORKSHEET](#)

IMAGE: [SCREENSHOT OF PUBLIC WORKS WEBPAGE](#)

PDF: [MUNICIPAL SOLID WASTE DATA AVAILABLE ON WEBSITE.](#)

Documentation Details: 7.5.1 Tom McCarthy, Commissioner of Public Works, is responsible for collecting municipal solid waste data. Municipal solid waste data is posted on the City's Public Works page here: <http://www.cityofwesthaven.com/177/Public-Works>, screen shot attached. The link takes you to text that provides detail, also attached. Solid waste figures come from fiscal years 2019, 2018, and 2017, while Persons per Household (B), Percent Occupied Housing (C), and Total Units (D) are from 2017 census data. The number of persons used in per capita calculations (E) is the same in all years. It may be worth noting that the Percent Occupied Housing (C) may be somewhat anomalous, as the percentage in every one of the preceding seven years was greater than 90%. Calculations based on that higher occupancy percentage yield lower per capita solid waste totals.

7.10 Improve Air Quality in Public Spaces

25 Points

Approved Information: 7.10.3 [15 points] No smoking policy, 2019 7.10.4 [10 points] No idling policy, 2018

Supporting Documentation:

PDF: [ANTI-IDLING ORDINANCE](#)

IMAGE: [SCREEN SHOT OF PARKS AND RECREATION WEBPAGE](#)

WORD: [ANTI-IDLING MEMORANDUM](#)

IMAGE: [SCREEN SHOT OF SMOKING POLICY ON PARKS AND RECREATION WEBPAGE](#)

Documentation Details: 7.10.3 Statement from the Chairman of the City Council: No Smoking Policy "I spoke with Commissioner Sabo who stated that the West Haven Park & Recreation Commission Chairman Dave Coyle is in support of putting the No Smoking resolution on the next WH Park & Recreation meeting agenda which will be held on Monday, August 6th. Commissioner Sabo has also committed to having the "No Smoking" prohibition stenciled on the existing park & beach signage once the prohibition is passed by the Commission." The policy was adopted and the following is currently posted on the Parks and Recreation website, <http://www.whparkrec.com/info/dept/details.aspx?DeptInfoID=750>: "Amendment August 6, 2019 Smoke-Free Policy City of West Haven STATEMENT OF POLICY To protect and enhance outdoor air quality and contribute to the health and well-being of all residents and visitors to City of West Haven owned or controlled outdoor facilities: Smoking will be prohibited at all City-owned outdoor recreational facilities, including playgrounds, athletic fields, beaches, beach parking lots and parks. In all places that smoking is prohibited, electronic smoking is also prohibited." 7.10.4 West Haven has a regulation 154-6 that prohibits emissions from stationary or idling mobile sources. Copy of ordinance attached. In addition, the municipal fleet manager communicates this policy to drivers of municipal vehicles. Copy of memorandum attached.

8. Healthy, Efficient and Diverse Housing

8.1 Design and Implement a Housing Needs Assessment

10 Points

Approved Information: 8.1.1 [10 points] Partnership for Strong Communities Housing Data Profile and housing data analysis (Worksheet 2).

Supporting Documentation:

PDF: [PARTNERSHIP FOR STRONG COMMUNITIES HOUSING DATA PROFILE](#)

PDF: [POCD](#)

PDF: [NOTICE OF HOUSING DATA PRESENTATION](#)

WORD: [HOUSING DATA ANALYSIS](#)

Documentation Details: 8.1.1 A copy of the 2018 Housing Data profile is attached. The most recent Housing Data Profile available (2015) at the time the Plan of Conservation and Development was adopted was included in the "Housing Snapshot," "Affordable Housing," and "The Regional Picture" sections of Chapter 2, pp 25-30, viewable online here: <http://www.cityofwesthaven.com/DocumentCenter/View/827/Plan-of-Conservation-and-Development-Final-PDF?bidId=> The Housing Data Profile and an analysis based on Worksheet 2 were presented at the Sustainability Team meeting held at City Hall on August 27, 2019. A copy of the email announcing this presentation was sent to the sustainability team mailing list, the Mayor, members of the City Council, and others. The meeting was also announced on the "Sustainable West Haven" Facebook page. Copy of our housing data analysis responses to Worksheet 2 and the email are also attached.

8.2 Grow Sustainable and Affordable Housing Options

20 Points

Approved Information: 8.2.1 [10 points] 2018 Connecticut Department of Housing Affordable Housing Appeals List showing 13.21% affordable housing. 8.2.2 [10 points] ¼ percentage point increase in affordable housing, as compared to a baseline year within the past 5 years

Supporting Documentation:

PDF: [2018 CONNECTICUT DEPARTMENT OF HOUSING AFFORDABLE HOUSING APPEALS LIST](#)

PDF: [2014 CONNECTICUT DEPARTMENT OF HOUSING AFFORDABLE HOUSING APPEALS LIST](#)

Documentation Details: 8.2.2 The percent affordable housing in 2014 was 12.94%. According to the 2018 Housing appeals list, that percentage rose to 13.21%, an increase of .27%.

9. Inclusive and Equitable Community Impacts

9.1 Optimize for Equity

10 Points

Approved Information: 9.1 [10 points] Equity Toolkit is being submitted for 10.1 Innovative Action "Allingtown Plan"

Supporting Documentation:

WORD: [DESCRIPTION OF THE ALLINGTOWN PLAN INNOVATIVE ACTION](#)

WORD: [EQUITY TOOLKIT](#)

Documentation Details: 9.1 West Haven is submitting the Equity Toolkit in conjunction with its 10.1.1 Innovative Action, the Allingtown Plan. We've attached a Description of the Allingtown Plan Innovative Action together with the required format for the Equity Toolkit. The documents attached to action category 10.1.1 may be referred to for more detail.

10. Innovation Action

10.1 Implement Your Own Sustainability Action

20 Points

Approved Information: 10.1. Innovation. (1) Through a process of engagement, developed a plan for West Haven's Allingtown neighborhood, influenced by several community dynamics and home to higher levels of nonwhite populations with generally lower income levels, 2019 (10 points), and (2) Supports the Audubon Wildlife Guards program, which has West Haven High School students help monitor and protect the beach-nesting birds at the Sandy Point Beach & Bird Sanctuary, 2019 (10 points)

Supporting Documentation:

PDF: [WILDLIFE GUARDS PRESS RELEASE](#)

PDF: [WILDLIFE GUARDS ARTICLE](#)

PDF: [WILDLIFE GUARDS DESCRIPTION](#)

PDF: [WILDLIFE GUARDS PROGRAM](#)

PDF: [ALLINGTOWN IN POCD](#)

WORD: [POSSIBLE GOALS/STRATEGIES FOR ALLINGTOWN](#)

WORD: [ALLINGTOWN PLAN STEERING COMMITTEE](#)

PDF: [MINUTES OF ALLINGTOWN MEETINGS](#)

WORD: [ALLINGTOWN WORKSHOP PRESS RELEASE](#)

WORD: [WORKSHOP SMALL GROUP SUMMARY](#)

WORD: [ALLINGTOWN NEIGHBORHOOD PLAN OUTLINE](#)

WORD: [ALLINGTOWN PLAN REVISED OUTLINE](#)

WORD: [ALLINGTOWN WORKSHOP FLYER](#)

EXCEL: [ALLINGTOWN WORKSHOP INVITATION LIST](#)

WORD: [DESCRIPTION OF THE ALLINGTOWN PLAN INNOVATIVE ACTION](#)

Documentation Details: 10.1.1 Allingtown Plan includes the following documents: 1) Excerpt from POCD, 2) Possible Goals/Strategies, 3) Steering Committee member list, 4) Minutes of Committee meetings, 5) Allingtown Workshop press release, 6) Workshop small group summary, 7) Neighborhood Plan Outline, 8) Revised Neighborhood Plan Outline, 9) Allingtown Workshop sign-in sheets, 10) Allingtown Workshop flyer, and 11) Description of the Allingtown Plan Innovative Action. Documents submitted for this action category also support Action 9.1 Equity Toolkit. 10.1.2 In the words of CT Audubon, "WildLife Guards is an innovative program that engages local high school students to serve as leaders to their peers and the larger community, provides employment and green job skills to underserved youth, and will ultimately help the local community develop a deeper appreciation of the natural resources that provide economic, recreational, and environmental benefits to this urban area." See attached descriptions of program. West Haven has been participating in this program since 2017.

Partners: The Wildlife Guard program is a collaborative effort between West Haven and Audubon CT. West Haven hires and pays the interns with funds from an Audubon grant. In addition, Assistant Director of Public Work, Mark Paine, is an instrumental partner with Audubon's Corrie Folsom-O'Keefe, director of bird conservation for Audubon Connecticut in administering the program. Mr. Paine has also been active in the Osprey Nation Project sponsored by Audubon CT, <https://www.ctaudubon.org/osprey-nation-background/>