

**RESOLUTION NO. 2016-27**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF VENICE, SARASOTA COUNTY, FLORIDA, TO UPDATE THE CITY OF VENICE SECTION OF THE SARASOTA COUNTY LOCAL MITIGATION STRATEGY WORK GROUP PROJECT LIST, TO UPDATE THE FLOODPLAIN MANAGEMENT PLAN, TO INCLUDE THE UPDATED SARASOTA COUNTY LOCAL MITIGATION STRATEGY WORK GROUP PROJECT LIST AND FLOODPLAIN MANAGEMENT PLAN AS PORTIONS OF THE SARASOTA COUNTY UNIFIED LOCAL MITIGATION STRATEGY 2016, AND FOR THE UPDATED FLOODPLAIN MANAGEMENT PLAN AND SARASOTA COUNTY UNIFIED LOCAL MITIGATION STRATEGY 2016 TO SERVE AS THE FORMAL GUIDES FOR THE CITY OF VENICE'S FLOODPLAIN MANAGEMENT AND HAZARD MITIGATION ACTIVITIES; SUPERSEDING RESOLUTION NO. 2015-23; AND PROVIDING AN EFFECTIVE DATE**

**WHEREAS**, the City of Venice is subject to natural and man-made hazards including hurricanes, tornadoes, floods, fires and chemical releases which may cause damage to life, property, natural resources and the local economy; and

**WHEREAS**, initiatives identified on the Local Mitigation Strategy Project List are given more consideration by state-managed funding programs such as the Hazard Mitigation Grant program, Emergency Management Preparedness Assistance Trust Fund, Communities Trust, Community Development Block Grant, Coastal Partnerships Initiative, and HOME; and

**WHEREAS**, the Floodplain Management Plan serves as the guide for floodplain management activities for the City of Venice as required of all communities participating in the National Flood Insurance Program and seeking project funding from the Flood Mitigation Assistance Program; and

**WHEREAS**, the Local Mitigation Strategy, which incorporates the Floodplain Management Plan, serves as the flood mitigation plan required of all communities participating in the National Flood Insurance Program and seeking project funding from the Flood Mitigation Assistance Program; and

**WHEREAS**, the Local Mitigation Strategy can serve as the Post-Disaster Redevelopment Plan as required of all coastal counties in Florida; and

**WHEREAS**, the Floodplain Management Plan and Local Mitigation Strategy is designed to be a process-oriented document with review and revision policies that allow the Local Mitigation Strategy to be changed to meet new or changing conditions including hazard-event frequency, perceived local needs and funding opportunities; and

**WHEREAS**, the Floodplain Management Plan has been updated to meet the requirements of the Community Rating Systems program and includes the program for public information and the Flood Insurance Coverage Improvement Plan; and

**WHEREAS**, the City of Venice Community Ratings System Floodplain Management Plan Committee has received public input and has updated the City of Venice portion of the Sarasota County Local Mitigation Strategy Work Group Project List and the Floodplain Management Plan of the Local Mitigation Strategy.

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF VENICE, FLORIDA, as follows:**

**SECTION 1.** The Whereas clauses above are ratified and confirmed as true and correct.

**SECTION 2.** The Venice City Council hereby updates the City of Venice section of the Sarasota County Local Mitigation Strategy Work Group Project List and the Floodplain Management Plan, and adopts the updated Floodplain Management Plan and the Sarasota County Unified Local Mitigation Strategy 2016 as the formal guides for City of Venice floodplain management and hazard mitigation activities.

**SECTION 3.** The updated City of Venice section of the Sarasota County Local Mitigation Strategy Work Group Project List and Floodplain Management Plan are attached as Exhibit A and Exhibit B, respectively.

**SECTION 4.** Upon adoption, this resolution shall supersede Resolution No. 2015-23.

**SECTION 5.** This resolution shall take effect immediately upon adoption.

**APPROVED AND ADOPTED AT A REGULAR MEETING OF THE VENICE CITY COUNCIL HELD ON THE 27TH DAY OF SEPTEMBER 2016.**

\_\_\_\_\_  
John Holic, Mayor

ATTEST

\_\_\_\_\_  
Lori Stelzer, MMC, City Clerk

I, **LORI STELZER**, MMC, City Clerk of the City of Venice, Florida, a municipal corporation in Sarasota County, Florida, do hereby certify that the foregoing is a full and complete, true and correct copy of a Resolution duly adopted by the City Council of said City at a meeting thereof duly convened and held on the 27th day of September 2016, a quorum being present.

WITNESS my hand and the official seal of said City this 27th day of September 2016.

\_\_\_\_\_  
Lori Stelzer, MMC, City Clerk

(S E A L)

Approved as to form:

\_\_\_\_\_  
David Persson, City Attorney

**Exhibit A**

**City of Venice section  
of the  
Sarasota County  
Local Mitigation Strategy Work Group  
Project List**

**The Sarasota County Local Mitigation Strategy (LMS) Work Group Project List**

Priority note 1	Name of Project	Description of Project	Hazard Mitigated note 2	Hazard Mitigation Strategy note 3	Mitigation Goals Achieved note 4	Funding Source	Jurisdiction Project Benefit note 5	Jurisdiction Project Owner note 5	Jurisdiction Project #	Agency Responsible for Implement	Estimated Cost	Project Status note 6						Timeframe for Project Completion	Mitigate New or Existing (N/E)
												New	Completed	In Progress	Deleted	Deferred	If Deferred Why?		
High	Public Outreach	Public outreach programs for all jurisdictions	ALL	ALL	3	N/A	ALL	ALL	N/A	LMS Work Group	\$10K			✓				Continuous	E
Medium	South County Alligator Creek	Improve quality of stormwater	2,7,9,11	6	2	C.I.P.	3,4	SCG	75502	Capital Mgmt.	\$1.5M			✓				FY16	E
Medium	Englewood Interstate Connector	Raise roadbed, add traffic lanes for evacuation route	ALL	5	2	C.I.P.	ALL	SCG	95760	Capital Mgmt.	\$28M			✓				As funding is available	E
Medium	Alligator Creek Phase 1 & 2	Pipe and swale improvements	2,7,9,11	6	2	C.I.P.	3,4	SCG	85872	Capital Mgmt.	\$3M			✓				FY14	E
Medium	Country Woods	Rehabilitate existing drainage	2,7,9,11	6	2	C.I.P.	4	SCG	75841	Capital Mgmt.	\$600K			✓				FY14	E
N/A	Asset & Infrastructure Mgmt. System	Protect critical infrastructure through technology	ALL	5	2	C.I.P.	ALL	SCG	75832	Env. Services	\$6.9M					✓	Funding	As funding is available	E
Medium	Colonial Gables	Rehabilitate existing drainage	2,7,9,11	6	2	C.I.P.	4	SCG	75843	Capital Mgmt.	\$620K			✓				FY14	E
Medium	Beach Road Drainage Improvements	Rehabilitate existing drainage	2,7,9,11	6	2	C.I.P.	ALL	SCG	75803	Capital Mgmt.	\$2.8M			✓				FY15	E
Low	Repetitive Loss Program	FEMA guidelines	1,2,3,6,7,9,11	1,2,3,5,6,7,8	1	N/A	4	SCG SRQ	N/A	Env. Services	N/A			✓				Continuous	E
High	911/EOC Center	Construct new building	ALL	5	5	C.I.P.	ALL	SCG	84330	Capital Mgmt.	\$19M			✓				FY14	N
Medium	Fire Station 12	Remove and replace current fire station	ALL	5	5	C.I.P.	ALL	SCG	84350	Capital Mgmt.	\$4M			✓				FY15	E
Medium	Fire Station 14	Remove and replace current fire station	ALL	5	5	C.I.P.	ALL	SCG	84332	Capital Mgmt.	\$4M			✓				FY15	E
Medium	Fire Station 19	Remove and replace current fire station	ALL	5	5	C.I.P.	ALL	SCG	84346	Capital Mgmt.	\$4M					✓	Funding	As funding is available	E
Medium	Fire Station 16	Remove and replace current fire station	ALL	5	5	C.I.P.	ALL	SCG	84334	Capital Mgmt.	\$7M			✓				FY15	E
Medium	Fire Station 17	Construct new building	ALL	5	5	C.I.P.	ALL	SCG	84353	Capital Mgmt.	\$4.3M			✓				FY15	N
Medium	Fire Station 9	Construct new building	ALL	5	5	C.I.P.	ALL	SCG	84340	Capital Mgmt.	\$4.5M	✓				✓	Funding	As funding is available	N
High	North Beach Road	Public Access and Shore Line Protection	1,2,7,8,9,10 to 15	1,4,5,6	1 to 5	C.I.P.	ALL	SCG	37340123	Public Works	\$2M			✓				2013-2014	N
Medium	Fire Station 27	Construct new building	ALL	5	5	C.I.P.	ALL	SCG	84340	Capital Mgmt.	\$4.5M	✓				✓	Funding	As funding is available	N
High	Storage Tank conversion to an EOC	Assessing the feasibility for the adaptive reuse of infrastructure	ALL	2	5	N/A	ALL	SRQ	N/A	Public Works	\$1.75M				✓			FY13	E
High	Hardening of City Hall	Wind retrofit, shutters	2,8,9,11,12,15	2	5	C.I.P.	2,4	SRQ	GS-05.0	Public Works	\$647K			✓				FY15	E
Medium	Reconstruction of Failing Seawalls	Reconstruct existing seawalls City-wide	1,2,7,9,11	5	2	Penny Sales Tax	ALL	SRQ	RP-18.0	Public Works	\$325K			✓				FY15	E
Medium	12th Street Complex upgrade	Construct new building	ALL	5	5	Penny Sales Tax	2,4	SRQ	WU-50.0	Public Works	\$1.1M			✓				FY15	E
High	Stormwater Utility Projects	Construct improvement to existing storm drainage system	2,7,9,11	6	2	Penny Sales Tax	2,4	SRQ	SU-02.0	Public Works	\$5.2M			✓				FY15	E
Medium	Indian Beach Stormwater Project	Make enhancements to existing Storm drainage system (Bio)	2,7,9,11	6	2	C.I.P.	2	SRQ	SU-03.0	Public Works	\$3.8M			✓				FY15	E
High	City-wide Traffic Signalization	Replace wire line attachment with mast	2,8,9,11,12,15	2	5	Penny Sales Tax	ALL	SRQ	EN-20.0	Public Works	\$2M			✓				FY15	E
Medium	Bird Key Bridge Rehabilitate	Assess existing conditions and make necessary repairs	ALL	5	2	Penny Sales Tax	2,4,7	SRQ	EN-51.0	Public Works	\$4.8M			✓				FY14	E
High	Coon Key Utility Line Undergrounding	Remove overhead power lines and install underground	2,8,9,11,12,15	5	5	Penny Sales Tax	2,4	SRQ	EN-118.0	Public Works	\$1.2M			✓				FY14	E
Medium	Clean-up of the MLK Brownfield	Cleanup & Remediation of spoils and the use of it as a landfill	7	8	4	Penny Sales Tax	2,4	SRQ	RD-11.0	Public Works	\$4.9M			✓				FY15	E

**The Sarasota County Local Mitigation Strategy (LMS) Work Group Project List**

Priority note 1	Name of Project	Description of Project	Hazard Mitigated note 2	Hazard Mitigation Strategy note 3	Mitigation Goals Achieved note 4	Funding Source	Jurisdiction Project Benefit note 5	Jurisdiction Project Owner note 5	Jurisdiction Project #	Agency Responsible for Implement	Estimated Cost	Project Status note 6						Timeframe for Project Completion	Mitigate New or Existing (N/E)
												New	Completed	In Progress	Deleted	Deferred	If Deferred Why?		
Medium	Lift Station 87 & 13	Relocate and construct new lift station	ALL	5	5	Revenue Bonds	2	SRQ	WU-46	Utilities	\$8.5M			✓				FY17	E
Medium	Rehabilitate lift stations 9 & 17	Rehabilitate lift stations 9 & 17	ALL	5	5	Revenue Bonds	2	SRQ	WU-46.1	Utilities	\$3M		✓					FY13	E
Medium	Indian Beach Park Shore Stabilization	Install GEO Web Mat	ALL	5	4	Penny Sales Tax	ALL	SRQ	RP-57	Public Works	\$150K		✓					FY13	E
High	Police Dept. Relocate and EOC construction	Reconstruct PD facility to include City Command EOC	2, 7, 8, 9,11, 12, 15	2	5	N/A	ALL	V	1V	Police	\$16M					✓	Funding		E
Medium	Relocate Fire Station #2	Construct new fire station outside flood zone	2, 7, 8, 9,11, 12, 15	2	5	N/A	ALL	V	3V	Fire	\$5M					✓	Funding		E
Medium	Directional signs for island evacuation	Acquire four signs for three bridges and roadways	2, 7, 8, 9,11, 12, 15	5	4	N/A	3,4	V	6V	Public Works	\$60K					✓	Funding		E
Low	City Hall generator and computer vehicle	Emergency operations for city communications	2, 7, 8, 9,11, 12, 15	2	5	N/A	3,4	V	7V	City Hall	\$500K					✓	Funding		E
Low	Relocate PW to PD after new PD complete	Harden Structure and retrofit for PW Admin.	2, 7, 8, 9,11, 12, 15	2	5	N/A	3	V	8V	Public Works	\$4M					✓	Funding		E
Low	25-GPS units for city departments	Provide tracking of critical facilities in emergency	2, 7, 8, 9,11, 12, 15	5	5	N/A	3,4	V	12V	Utilities	\$6K					✓	Funding		E
High	Radio upgrade for the city department	Provide optimum radio communications	2, 7, 8, 9,11, 12, 15	5	5	NA	ALL	V	21V	Utilities, Fire, Police, PW	\$490K					✓	Funding		E
Low	Second House Program	Partner coastal with inland residents during emergencies	2, 7, 8, 9,11, 12, 15	5	1	N/A	3	V	23V	City Hall	\$10K					✓	Funding		E
Low	Relocate 7 west production wells	Construct out of flood prone area	2,7,9,11	2	5	N/A	ALL	V	24V	Utilities	\$3.5M					✓	Funding		E
Low	Relocate water plant elevated tank	Upgrade support system to prevent against flood and wind	2,7,9,11, 12,15	2	5	N/A	ALL	V	26V	Utilities	\$725K					✓	Funding		E
Low	Upgrade Chuck Reiter elevated tank	Upgrade support system to prevent against flood and wind	2,7,9,11, 12,15	2	5	N/A	ALL	V	27V	Utilities	\$76K					✓	Funding		E
Low	Modify Pinebrook booster station	Waterproof and upgrade communication system	2, 7, 8, 9,11, 12, 15	2	5	N/A	ALL	V	28V	Utilities	\$50K					✓	Funding		E
Low	Coastal Area Redevelopment Study	Post disaster study	2, 7, 8, 9,11, 12, 15	5	2	N/A	ALL	V	29V	Dev. Service	\$50K					✓	Funding		E
Low	Coastal Compliance Program	Public education for retrofit and construction activities	2, 7, 8, 9,11, 12, 15	5	3	N/A	3	V	30V	Building	\$30K					✓	Funding		E
High	Island Basin SW Improvement	Evaluate and Install box culverts and Flamingo Ditch	2,7,9,11	6	2	SWFWMD, City	ALL	V	31V	Stormwater	\$1.6M		✓					FY14	E
High	Deertown Gully Construction	Study Deertown Gully area and construct mitigation	2,7,9,11	6	2	CIP, SWFWMD	ALL	V	33V	Engineering	\$2M		✓					FY14	E
High	Island Basin SW Improvement Program	Improvements to Outfall 13	2,7,9,11	6	2	CIP	3	V	35V	Engineering	\$750K				✓			FY15	E
Medium	Coastal Land Acquisition Program	Purchase properties and preserve for open space	2,7,9,11	1	4	N/A	3	V	36V	Engineering	\$425K					✓	Funding		E
High	Island Basin SW Improvement Program	Design and replace pipes at outfall 12 Laguna/Osprey	2,7,9,11	6	2	CIP	3	V	37V	Engineering	\$2.3M					✓	Funding		E
Medium	Island Basin SW Improvement Program	Replace pipes at Aldea Mar	2,7,9,11	6	2	CIP	3	V	38V	Engineering	\$100K				✓				E
Low	Relocate RO Water Plant	Construct facility out of the flood zone	2,7,9,11	2	5	N/A	ALL	V	42V	Utilities	\$40M					✓	Funding		E
Medium	Sanitary Sewer Project	Rehab sanitary system to prevent inflow into ground/sw system	2,7,9,11	2	5	N/A	ALL	V	43V	Utilities	\$350K					✓	Funding		E

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												New	Completed	In Progress	Deleted	Deferred	If Deferred Why?		
Low	Eastside 1MGD storage tank and pumps	Provide service to east side of town	2,7,9,11,12,15	2	5	N/A	3	V	44V	Utilities	\$1.5M					✓	Funding		E
Low	Venice Evacuation Study	Study to address the need for hurricane shelters in city	2,7,8,9,11,12,14,15	5	1	N/A	ALL	V	50V	Planning	\$50K					✓	Funding		E
High	Fire Station 1 Replacement	In flood zone, rebuild to code	2,7,9,11,12,15	3	5	N/A	ALL	V	55V	Fire	\$5M					✓	Funding		E
High	Relocate PW to PD after new PD complete	Harden Structure and retrofit for PW Admin.	2, 9, 11,12, 15	2	5	N/A	3	V	57V	Public Works	\$4M					✓	Funding		E
Medium	Airport Generator	Provide adequate energy for airport operations	2,7,8,9,11,12,15	2	5	N/A	ALL	V	58V	Airport	\$500K					✓	Funding		E
Medium	Airport Ramp and Apron Lighting	Provide adequate lighting during disasters	2,7,8,9,11,12,15	2	5	N/A	ALL	V	59V	Airport	\$1M					✓	Funding		E
Medium	Storm shutters for Airport buildings	Wind protection during hurricanes	2,8,9,11,12,15	2	5	N/A	ALL	V	60V	Airport	\$150K					✓	Funding		E
Low	Hurricane Tolerant Handbook	Update the 1994 hurricane study	9	5	3	N/A	ALL	V	61V	Planning	\$15K					✓	Funding		E
High	New Public Works Complex	Built before hurricane code move to east side of town	2,7,8,9,11,12,15	2	5	N/A	ALL	V	62V	Public Works	\$8M					✓	Funding		E
High	Remove Invasive Species	Prevent infrastructure damage during high winds	2,8,9,11,12,14,15	4	4	N/A	3,4	V	63V	Public Works	\$75K					✓	Funding		E
Medium	Purchase Portable Generators for Lift Station	Provide emergency back up power outage	2,7,8,9,11,12,15	5	1	N/A	ALL	V	64V	Utilities	\$450K					✓	Funding		E
Medium	Hurricane Shutters for Water Plant	Secure building for hurricanes	9,12,15	2	5	N/A	ALL	V	65V	Utilities	\$32K					✓	Funding		E
High	City Hall Reroof	Roof not built to code and condition is deteriorating	2,7,9,11,12,15	2	5	N/A	ALL	V	66V	Public Works	\$600K					✓	Funding		E
Medium	Sanitary Sewer Project	Rehab sanitary manholes to prevent infiltration into system	2, 7, 9	5	5	N/A	3	V	68V	Utilities	\$5.5M					✓	Funding		E
Low	2nd sanitary force main under Intracoastal	Add a secondary force main to add to secondary redundancy	2, 7, 9	5	5	N/A	3	V	69V	Utilities	\$500K								E
Low	2nd sanitary force main under I-75	Add a secondary force main to add to secondary redundancy	2, 7, 9	5	5	N/A	3	V	70V	Utilities	\$500K					✓	Funding		E
High	Venice beach Outfall 1 Alhambra Outfall 2	Stormwater diversion to provide treatment and protection.	2, 7, 9, 11	6	2, 4	City Grants	3	V	71V	Engineering	\$500K		✓					2015	E
High	Hatchett Creek Restoration	Remove cement and invasive species on creek bed	2, 7, 9, 11	4, 6	1, 2, 4	County Grants	3, 4	V	72V	Engineering	\$300K		✓					2015	E
Medium	Venice Communication Enhancement Utilities	Install fiber optic cable in existing and extended conduit	2, 7, 9, 11,12, 15	5	1	N/A	3	V	73V	Utilities	\$750K		✓					2016	E
High	Westgate Drainage	Stormwater pump improvement flood protection	2, 7, 9, 11	6	2, 4	City / Grants	3	V	74V	Engineering	\$1M		✓					2016	E
High	Reinforce Airport Hangars	Reinforce existing airport to meet hurricane standards	2, 7, 9, 11,12,15	2	2, 5	City / Grants	3	V	75V	Airport	\$1M	✓							N
High	Construct New T-Hangars	Construct new T-Hangars meeting hurricane standards	2, 7, 9, 11,12,15	5	2	City / Grants	3	V	76V	Airport	\$1.5M	✓							N
High	Replace Airport Admin. Building	Replace existing Airport Admin. Building to meet hurricane stds.	2, 7, 9, 11,12,15	5	2	City / Grants	3	V	77V	Airport	\$1M			✓				2019	E
High	Relocate Airport Maintenance Facility	Relocate existing Airport Maint. Facility to meet hurricane stds.	2, 7, 9, 11,12,15	5	2	City / Grants	3	V	78V	Airport	\$650K	✓							N
High	Airport Avenue Drainage Project	Upgrade existing drainage facilities to mitigate flood in evacuation route	2,7,9,11	6	2	City / Grants	3	V	79V	Engineering	\$700K	✓							N
Medium	Live Oak Dr. Stormwater Improvements	Upsize existing stormwater pipes to reduce flooding	2,7,9,11	6	2	CIP/ Grants	3	V	80V	Engineering	\$400K					✓	Funding		E
Medium	Nokomis Ave. South Stormwater	Upsize existing stormwater pipes to reduce flooding	2,7,9,11	6	2	SRF/ Grants	3	V	81V	Engineering	\$1.1M					✓	Funding		E
Medium	Outfall 9 Improvement	Study the drainage basin and increase the infiltration pond size	2,7,9,11	6	2	CIP/ Grants	3	V	82V	Engineering	\$500K					✓	Funding		E

**The Sarasota County Local Mitigation Strategy (LMS) Work Group Project List**

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												New	Completed	In Progress	Deleted	Deferred	If Deferred Why?		
Medium	Golf Dr. Stormwater Improvements	Upsize existing stormwater pipes to reduce flooding	2,7,9,11	6	2	CIP/ Grants	3	V	83V	Engineering	\$750K					✓	Funding		E
High	Airport Northeast Drainage Project	Upsize existing stormwater pipes to reduce flooding	2,7,9,11	6	2	CIP/ Grants	3	V	84V	Airport	\$750K					✓	Funding		N
High	Relocate PW to PD after new PD complete	Harden Structure and retrofit for PW Admin.	2, 7, 9, 11,12,15	2	5	N/A	3	V	85V	Public Works	\$4M					✓	Funding		E
Medium	Beach Erosion Hot Spot Alternatives	Alternate erosion evaluation and construction	1,2,7,9	5	5	Grants	3	V	86V	Engineering	\$4M	✓					Funding		N
High	Public Works Facility	Construct joint use facility	ALL	2, 3	5	MCF / HMGP	ALL	NP	F10FMC	Public Works	\$6.4M		✓					2013	E
Medium	Design replacement for flood control structure #125	Corroded Structure Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$60K					✓	Funding		E
Medium	Hardening of water & sewer utility structures	Upgrade utility structures at bridge crossings, etc.	ALL	5	5	UR / HMGP	ALL	NP	N/A	Utilities	\$600K					✓	Funding	2016	E
High	Purchase lots along the Myakkahatchee Creek	Purchase lots to reduce flood vulnerability	ALL	1	2, 4	FDEP / HMGP	1, 4	NP	N/A	NDS	\$1.2M					✓	Funding	As funding is available	E
Medium	Carlton Tract Bridge	Install bridge in order to decrease response time	ALL	5	5	CIP / HMGP	1,4	NP	N/A	Fire Rescue	\$750K					✓	Funding	N/A	E
High	City Hall EOC	Build-out to accommodate emergency operations center to include showers, and back-up emergency power to entire bldg.	ALL	2	5	HMGP /	ALL	NP	N/A	Emergency Mgmt.	\$750K					✓	Funding	As funding is available	E
High	Repair flood control gate #131	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$9.5K		✓					2013	E
High	Replace flood control gate #133	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$460K			✓				2014	E
High	Replace flood control gate #139	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$488K		✓					2013	E
High	Design replacement for flood control structure #101	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA / SWFWMD	1,4	NP	N/A	Public Works	\$100K		✓					2013	E
High	Construct replacement for flood control structure #101	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA / SWFWMD	1,4	NP	N/A	Public Works	\$1.2M			✓				2014	E
High	Design replacement for flood control structure #108	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$70K					✓	Funding	2017	E
High	Repair flood control structure #128	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$9.5K		✓					2013	E
Medium	Design replacement for flood control structure #161	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$60K					✓	Funding	As funding is available	E
Medium	Design replacement for flood control structure #124	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$60K					✓	Funding	As funding is available	E
Medium	Design replacement for flood control structure #112	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$60K					✓	Funding	As funding is available	E
Medium	Design replacement for flood control structure #157	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$60K					✓	Funding	As funding is available	E
Medium	Design replacement for flood control structure #116	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$60K					✓	Funding	As funding is available	E
Medium	Design replacement for flood control structure #121	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$60K					✓	Funding	As funding is available	E
High	Design replacement for flood control structure #114	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$70K					✓	Funding	2018	E

**The Sarasota County Local Mitigation Strategy (LMS) Work Group Project List**

Priority note 1	Name of Project	Description of Project	Hazard Mitigated note 2	Hazard Mitigation Strategy note 3	Mitigation Goals Achieved note 4	Funding Source	Jurisdiction Project Benefit note 5	Jurisdiction Project Owner note 5	Jurisdiction Project #	Agency Responsible for Implement	Estimated Cost	Project Status note 6						Timeframe for Project Completion	Mitigate New or Existing (N/E)
												New	Completed	In Progress	Deleted	Deferred	If Deferred Why?		
High	Design replacement for flood control structure #113	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$120K					✓	Funding	2015	E
High	Construct replacement for flood control structure #113	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$1.5M					✓	Funding	2016	E
High	Design replacement for flood control structure #115	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$70K			✓				2014	E
High	Construct replacement for flood control structure #115	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$700K					✓	Funding	2015	E
High	Public Works Admin R&D and Solid Waste	Replace buildings with hardened structures	ALL	2, 3	5	RDA	ALL	NP	N/A	Public Works	\$6.28M	✓				✓	Funding	As funding is available	N
High	Pipe Lining on Major outfalls	CMP pipes that are difficult to replace can be lined	ALL	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$1M	✓				✓	Funding	As funding is available	N
High	Design replacement for flood control structure #106	Corroded Structure Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$120K					✓	Funding	2016	E
High	Design replacement for flood structure #ST1, ST2, ST3	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$90K					✓	Funding	2019	E
Low	4 Lane Price Blvd Biscayne to Haberland	Four-lane and elevate roadway.	ALL	5	5	Surtax II / HMGP	ALL	NP	N/A	Public Works	\$120M					✓	Level of	2035	E
High	Phase III, A widening Sumter Blvd	Four-lane and elevate roadway.	ALL	5	5	TIF / ARRA	ALL	NP	R07SB3	Public Works	\$14M			✓				2014	E
High	Construct replacement for flood control structure #114	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$700K					✓	Funding	2019	E
Medium	Construct replacement for flood control structure #121	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$500K					✓	Funding	As funding is available	E
Medium	Construct replacement for flood control structure #116	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$500K					✓	Funding	As funding is available	E
Medium	Construct replacement for flood control structure #157	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$500K					✓	Funding	As funding is available	E
Medium	Construct replacement for flood control structure #112	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$500K					✓	Funding	As funding is available	E
Medium	Construct replacement for flood control structure #124	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$500K					✓	Funding	As funding is available	E
Medium	Construct replacement for flood control structure #161	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$500K					✓	Funding	As funding is available	E
High	Construct replacement for flood control structure #108	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$700K					✓	Funding	2018	E
High	Construct replacement for flood control structure #106	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$1.5M					✓	Funding	2017	E
High	Construct replacement for flood structure #ST1, ST2, ST3	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$1M					✓	Funding	2020	E
Medium	Construct replacement for flood control structure #125	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$500K					✓	Funding	As funding is available	E
High	Lift Station E renovations	Upgrade motors, controls, roof & exterior of building	ALL	2	5	CIP / HMGP	7	LBK	LBK4	Public Works	\$700K			Bid opens				2014	E

**The Sarasota County Local Mitigation Strategy (LMS) Work Group Project List**

Priority note 1	Name of Project	Description of Project	Hazard Mitigated note 2	Hazard Mitigation Strategy note 3	Mitigation Goals Achieved note 4	Funding Source	Jurisdiction Project Benefit note 5	Jurisdiction Project Owner note 5	Jurisdiction Project #	Agency Responsible for Implement	Estimated Cost	Project Status note 6						Timeframe for Project Completion	Mitigate New or Existing (N/E)
												New	Completed	In Progress	Deleted	Deferred	If Deferred Why?		
N/A	Streets and Drainage Improvements	Provide additional drainage & retention in suitable locations	5	1	5	CIP / HMGP	7	LBK	LBK9	Public Works	\$600K		\$128K			✓	Funding	2013 - 2016	E
N/A	Purchase Generators	Reduce dependency on rental equipment	ALL	5	ALL	CIP / HMGP	ALL	LBK	LBK13	Public Works	\$145K			\$35K		✓	Funding	2013 - 2015	E
High	North Shore Groins	Reduce beach erosion	1	4	4	CIP / HMGP	2,3,4,7	LBK	LBK18	Public Works	\$6.5M			Permitting			Permitting	2014-2015	E
High	North Potable Water Connection	Replace existing potable water connection to community	ALL	5	ALL	CIP / HMGP	ALL	LBK	LBK19	Public Works	\$1.2M			✓				2015	E
Medium	South Fire Station 92	Remove and replace current fire station	ALL	5	ALL	CIP / HMGP	ALL	LBK	LBK20	Public Works	\$1.2M			✓		✓	Funding	2016-2017	E
High	Wastewater Force Main	Replace existing wastewater connection to Manatee County	4	4	All	CIP / HMGP	ALL	LBK	LBK21	Public Works	\$14M			✓				2015-2016	E
High	Siesta Key Master Pump Station	Master pump station to transfer flow off island	2,7,9,11,12,15	3	5	CIP / HMGP	1	SCG	55995	Capital Mgmt.	\$3M	✓						2015	N

**Note 1**

Priority- Priority ranking is determined by the Hazard Mitigation Project Evaluation Criteria Worksheet. The project priority is rated in the following table.

Priority	Project Score
High	21 - 28
Medium	11 - 20
Low	0 - 10
N/A	Deferred or Completed

**Note 2**

Hazard	Number	Hazard	Number
Coastal Erosion	1	Hurricane	9
Coastal Storm	2	Land Subsidence	10
Dam Failure	3	Seasonal Severe Weather	11
Drought	4	Tornado	12
Earthquake	5	Tsunami	13
Levee Failure	6	Wildfire	14
Flood	7	Windstorm	15
Hailstorm	8	Deleted Project	N/A

**Note 3**

The Hazard Mitigation Strategy is based upon Goal 2, Objective 1 of the Local Hazard Mitigation Goals and is described in the following table.

Hazard Mitigated	Description
1	Acquisition of hazard prone property & conversion to open space
2	Retrofitting existing buildings and facilities
3	Elevation of flood prone structures
4	Vegetative management & soil stabilization
5	Infrastructure protection measures
6	Stormwater management
7	Minor structural flood control projects
8	Post-disaster code enforcement activities

**Note 4**

The Mitigation Goals Achieved are described in the following table and are based upon Goal 2 and Goal 4 of the Local Hazard Mitigation Goals within the Mitigation Strategy section of the basic plan.

Mitigation Goal Achieved	Description
1	Prevention
2	Property Protection
3	Public Education and Awareness
4	Natural Resource Protection
5	Structural Protection
N/A	Deleted

**Note 5**

The jurisdiction abbreviation is described in the following table.

Jurisdiction	Abbreviation	Number
City of North Port	NP	1
City of Sarasota	SRQ	2
City of Venice	V	3
Sarasota County Government	SCG	4
Sarasota County Schools	SCS	5
Sarasota Memorial Hospital	SMH	6
Town of Longboat Key	LBK	7
Deleted	N/A	N/A

**Note 6**

The project status is described in the following table.

Project Status	Description
New	Project added from previous project list submission
Complete	Project completed during period or construction has begun from previous project list submission
In-Progress	Project is in design and no construction has begun
Deleted	Project will be identified as deleted and remain on the project list for one annual cycle of reporting for administrative continuity of project tracking for local, state, and Federal agencies.
Deferred	Project is being deferred by jurisdiction

**Exhibit B**

**City of Venice  
Floodplain Management Plan**



**C I T Y   O F   V E N I C E**

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## **City of Venice**

### **Floodplain Management Plan**

Presented for Adoption by Venice City Council 9/27/2016

Prepared by City of Venice Engineering/Stormwater Department

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- B: CRS Committee Documentation
- C: Figure 1 - City of Venice Regulatory Flood Zone Map
  - Figure 2 - Effective FIRM
  - Figure 3 - DFIRM, Effective 11/4/2016
  - Figure 4 - Repetitive Loss Areas
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- D: LMS Update
- E: PPI Schedule and Outreach Templates
- F: Outreach Project Worksheets

# FLOODPLAIN MANAGEMENT PLAN

## INTRODUCTION

### Community Resources

The City of Venice occupies approximately 16.7 square miles (land) of southern Sarasota, in Southwest Florida, between Tampa and Fort Myers. Its westward border is the Gulf of Mexico. The City of Venice was incorporated in 1927, after expansion of the railroads, and has experienced a steady growth rate since 1930; the largest occurring between 1950 and 1960 when the population grew from 727 to 3,444 people. The latest statistics from the U.S. Census Bureau estimate the 2015 population of the City at 22,211. However, as with most coastal communities in Florida, the City experiences an increase in population during the winter months, with the most recent estimates being approximately 8,538 part time residents.

The City is situated in a subtropical climate and, as such, experiences distinct wet and dry seasons. The wet season extends from June through September. During this period the City receives approximately two-thirds of its annual 50-inch rainfall. Topography in the area is generally flat and low, with elevations ranging from sea level to 20 feet. The average elevation of the island is 13 feet Navigation Geodetic Vertical Datum (NGVD), while the mainland averages 15 feet NGVD.

The initial stormwater system for the City of Venice was installed in 1926, when the Brotherhood of Locomotive Engineers began its intensive development of the City following designs by architect and city planner, John Nolen. As part of the development, main drainage canals were constructed in the existing sloughs, and the outlet to Curry Creek was improved.

Rapid growth of the city and the resultant reduction in vacant land available for development, coupled with a less than average rainfall for several years, have encouraged people to settle in flood hazard areas. As development has spread within and around the city, large amounts of land have been covered with an impermeable surface such as parking lots, roofs, driveways, streets. A greater number of teardowns and rebuilds have elevated structures within the floodplain, however, they have also tended towards bigger homes with maximum allowed lot coverage. Not only have these manmade structures covered previously absorbent surfaces, they have also removed much of the existing vegetation. This vegetation normally acts to slow the rate of runoff and to allow a greater portion of rainfall to be absorbed into the ground. There has also been a call to allow for more lot coverage on residential Single Family homes, types RSF-1 and RSF-2, to 35%. The additional lot coverage impacts have the potential to increase runoff from the lots for properties that are not required to obtain either a Southwest Florida Water Management District Permit (SWFWMD) or provide pre-development versus post-development runoff calculations.

The City of Venice is divided into five major drainage basins which are defined as the Hatchett Creek, Curry Creek, Shakett Creek, Myakka River and Island of Venice

stormwater basins. The Hatchett Creek drains into the southern portion of the mainland area discharging into the Intracoastal Waterway (ICW), just south of Roberts Bay. The mainland's northern section is drained via the Curry Creek basin using the Blackburn Canal and Curry Creek to discharge into Dona Bay. The eastern portion of the City drains into Shakett Creek and the Myakka River. The Island of Venice basin drains into the ICW and the Gulf of Mexico.

The City of Venice has a unique geography in that a substantial portion of the city's boundary is surrounded by water. The City has almost 4 linear miles of coastline along the Gulf of Mexico, unobstructed by barrier islands. The City also has 2 linear miles of bay shores that are part of a major estuary, and approximately 4 miles of ICW. These waterways include the Gulf of Mexico, Venice Inlet, Curry Creek, Myakka River, Hatchett Creek, Roberts Bay, and the West Coast ICW. These water bodies improve the community by providing an enhanced environment consisting of shorelines, estuaries and woodlands, which allow habitation for wildlife. The water bodies also provide the community with a multitude of water and beach related activities including fishing, swimming, boating, shell and shark tooth hunting, and sunset watching.

There are a number of federal and state lands within the City which are considered environmentally sensitive by the Florida Department of Environmental Protection (FDEP), as are areas continuous with river systems, bays and harbors.

#### Economy and Tax Base

The population of the City is currently 22,211. It is expected that the population will soon witness a large increase due to annexations of areas east of I-75 at Laurel Road. Most residents in the City of Venice are employed in the service sector, the medical industry, or government. Compared to other cities, the City has a high percentage of older, primarily retired residents, with a median age of 67 years.

According to the U.S. Census Bureau, the cost of living index in Venice, as of July 2015, is 96.0 (U.S. average is 100). Per Capita income is \$39,818 (2015 City of Venice CAFR, Statistical Schedule 13). The Unemployment Rate is 5.0 percent (2015 City of Venice CAFR, Statistical Schedule 13). According to the Sarasota County Property Appraiser's office, the 2015 Average Market Value is \$240,248 for single family Residential parcels and \$253,717 for Residential Condominium Parcels in the County. The Taxable Value by Municipality is \$3,228,144,657 for the City of Venice.

The City collects ad valorem taxes through a millage rate. In fiscal year 2010 the total budget was estimated at \$59,267,325. The City sets aside enough reserve funds to support operating costs for up to 3 months.

#### Land use patterns

Based on current figures obtained from the Sarasota County Property Assessor, the city's land use patterns are shown in table 1 below.

**Table 1: Land Use**

<b>Existing Land Use Category</b>	<b>Acres</b>	<b>% of total</b>
Agriculture	1701.22	18.02
Airport	454.39	4.81
Office	55.85	0.59
Commercial	259.31	2.75
Golf Courses	775.28	8.21
Government	636.53	6.74
Industrial	587.78	6.23
Institutional	220.98	2.34
Mobile Home	331.13	3.51
Multi Family Residences	154.24	1.63
Single Family Residences	1546.68	16.39
Submerged / Partially Submerged	119.13	1.26
Utilities / Infrastructure	157.79	1.67
Vacant / Open Space	2426.43	25.71
ROW / Roadway Drainage	11.57	0.12
<b>Total Land</b>	<b>9438.33</b>	<b>100</b>

## **CRS COMMITTEE ESTABLISHMENT**

In order to improve the effectiveness of floodplain management, outreach efforts, and the number of flood insured properties, City Council approved and adopted Resolution No. 2014-27 on August 12, 2014 to create a Joint Floodplain Management Plan (FMP), Program for Public Information Plan (PPI) and Coverage Improvement Plan (CIP). The Committee is referred to as the CRS Committee in the remainder of this document. A planning document was prepared to organize the activities and goals for the CRS Committee and is attached in Appendix A. The planning document was distributed to City Council, discussed during the adoption process, and referred to for guidance during committee meetings. A public meeting was held on November 20, 2014 for draft review prior to adoption.

The duties and responsibilities of the CRS Committee are: to provide opportunities for the public to comment on the plans; coordinate with other agencies; assess local flood hazards; assess local flooding problems; set goals; and, draft an action plan. During August and September 2014, the CRS Committee met 7 times prior to adoption of the plans, and conducted additional review of the plan documents through e-mail distribution. All meetings were publicly posted and open to the public. In addition, the creation and meeting information was provided to the local media and was published for the general public. The plans were presented to City Council at a public meeting with an opportunity for public comment during the meeting proceedings. The plans were published prior to the City Council meeting in the Agenda Packet to give an opportunity for additional public input prior to the formal adoption or update of the plans. Documentation of the CRS

Committee activities during this time, including the adopting ordinance is included in Attachment B.

The CRS Committee was created to address specific target audiences in order to more effectively evaluate the current outreach activities for effectiveness and to recommend areas of improvement to be incorporated into the plan documents. The Building Official serves as the Floodplain Administrator for the city, however, floodplain management duties have been delegated to the City Engineer as they relate to flood zone determinations, review and approval of elevation certificates, flood insurance coverage evaluation and public outreach activities. CRS Committee members are appointed by the City Engineer with the intent to provide a broad spectrum of experience and perspective.

The following members are currently serving on the CRS Committee:

City CRS Committee Members:

- **Floodplain Management Office** – Kathleen Weeden, PE, CFM, City Engineer and Stormwater Utility Director, CRS Coordinator and floodplain communication
- **Planning & Zoning** – Scott Pickett, AICP, Senior Planner  
Mr. Pickett is a certified planner for the City of Venice with experience preparing hazard mitigation plans, hazard response plans and comprehensive planning.
- **Building Department** – Greg Schneider, MCP, CFM, Deputy Building Official  
Mr. Schneider supervises the plan review and inspection staff and is responsible for reviewing flood related criteria for building permits to verify that the proposed construction is consistent with FEMA and city code requirements.

Public Sector Committee Members:

- **Flood Insurance**  
Renee Halback, Shaefer Insurance Agency  
Ms. Halback is an insurance agent who has held a 215 License (Life Inc. Var. Annuity & Health) since 1999, and 220 General Lines License (Property & Casualty) since 2000. Ms. Halback writes flood insurance policies and advises her clients on flood insurance related issues.
- **Real Estate and Flood Insurance**  
John Meyers, Berkshire Hathaway, Real Estate  
Mr. Meyers is a Realtor with Berkshire Hathaway in the City of Venice and has 14 years prior experience as an Allstate Insurance agent and 10 years prior experience as a Realtor with Remax in Indiana. He has been a resident of Venice since 2013 and is becoming more acquainted with flood hazards, flood zones, and the need to carry at least minimum flood insurance.
- **Financial Lending Institute**  
Mark Hampshire, Capital Bank, Asst. Vice President  
Mr. Hampshire has several years in the lending industry, beginning with Sun Trust Bank and now as the Assistant Vice President of Capital Bank in Venice.

- **Building Industry**

Robert Yoho, The Damex Corporation

Mr. Yoho is a state certified building contractor and Mold remediator. He also holds certificates in water damage restoration, lead renovation, repair and painting. He is a member of the American Indoor Air Quality (AIAQ) Council and has been an OSHA "Train the Trainer" since 2010. Robert has been a resident of SWFL since 1975.

- **Building Industry**

Mark Hawkins, Hawks Nest Construction, Inc.

Mr. Hawkins is a state certified building contractor who complete remodels and new construction within the city. Mr. Hawkins is active in local building associations.

- **Commercial/Business Industry**

Brian West, Publix Supermarkets.

Publix management bring to the committee their experience with meeting the publics' need for services before, during and after a storm event.

City Staff Liaisons:

- Lorraine Anderson, Communication and Marketing Officer  
Ms. Anderson has delegated the day to day communication planning and outreach to Ms. Weeden for floodplain management activities. Ms. Anderson will also issue any formal press releases that are issued for the CRS program.
- Gillian Carney, Stormwater Engineering Research Analyst  
Ms. Carney is a Certified Floodplain Manager. She completes committee related activities such as drafting the plans and revisions, incorporating committee and public recommendations in the plan documents, preparing agendas, meeting minutes and outreach material preparation and distribution.

Members of the public and press are invited to attend and provide input at all meetings. The public is further informed through articles published in the local newspapers, through interviews, and attendance at the meetings. The City Clerk's office posts the Notice of Meeting, Agendas and Minutes of each meeting on the city website and on the City Hall bulletin board.

## **HAZARDS**

Hazards cannot be eliminated, but it is possible to determine what the hazards are, where the hazards are most severe, and identify local actions that can be taken to reduce the severity of the hazard. For example: we know that hurricanes are frequent in Florida, that flooding and wind damage are most severe along the coast, that low intensity storms occur more frequently than high intensity storms, and the level of coastal flooding is fairly predictable for a given magnitude of storm. Given this knowledge, local as well as state and federal laws exist to limit the type and amount of development along the coast in areas that have been identified as high risk to coastal zones (Coastal High Hazard Areas and Velocity Zones are examples). Furthermore, there are incentives to live in lower risk

areas; Insurance rates and taxes are usually higher in coastal and ravine areas, and lower in inland areas.

Hazards also have associated costs:

#### Cost to Communities

Hazards can have real costs to businesses and residents. Businesses in high hazard areas can suffer when damaged or isolated by storms. Residents who build in flood-prone areas are subject to evacuation, damage to their homes, lower home values, and higher insurance premiums. Businesses risk potential loss of income and impact to employees. Vital community functions such as police or utilities may be impacted, and there remains the potential for secondary hazards created by power outages, road closures, downed trees and power transmission lines, responder communications issues, school closure, evacuation shelters required, phone service outages, water distribution issues and public transportation closures. Critical facilities such as hospitals, schools, airports, utilities and major government buildings should not be placed in high hazard areas because the functions these facilities provide are too valuable to be placed in jeopardy – especially during a disaster. Community health and safety are paramount.

#### Costs to Local Government

Community infrastructure such as roads, drainage structures, water and sewer lines, electric lines, gas lines and telephone lines that are built in high hazard areas are subject to frequent damage and costly repair. The federal government can withdraw the community's access to federal insurance for both public and private structures if a local government belonging to the National Flood Insurance Program (NFIP) allows development in the floodplain without proper evaluation and construction techniques. The local government is responsible to carry the necessary insurance on City owned infrastructure, however, other assistance is given to states and localities during a declared major disaster or emergency. In the event of undeclared disasters or emergencies, the local government is required to cover 100 percent of the costs incurred from the event. These costs can put a significant strain on the local government budget.

#### Risk Assessments

The City experiences seasonal flooding, as do many areas of Florida. For planning purposes, all of Sarasota County is considered flood prone by the Sarasota County Department of Emergency Management.

Areas located near the coast, adjacent to bays, inlets, creeks, rivers, or portions of the Intracoastal Waterway (ICW) are more prone to flooding. The city's island portion is much more susceptible to flooding than the mainland due to the close proximity of the Gulf of Mexico and Roberts Bay, which are susceptible to impacts from storm surge.

Flooding in the community, either major or minor, from The Gulf of Mexico, Hatchett Creek, Curry Creek or the Myakka River, could have a significant impact on the

population, property and economy; cleaning up, making repairs, personal losses and health concerns can cause great stress to both individuals and the community.

During a flood there may be a significant threat of drowning, but floodwaters could also cause wastewater treatment facilities to shut down, contaminate local water supplies and disrupt utilities. Significant floodwaters may submerge portions of I-75, US41 and east-west highways, hindering evacuation routes and relief efforts and making it difficult to provide emergency response services.

Flooding can also have hazardous post-disaster conditions. The major features of flooding that impact the extent of damage are the flood depth, duration, and contaminant type and concentration in the flood water. Standing water and prolonged dampness provide breeding grounds for bacteria, viruses, mold, dust mites, mosquitoes, cockroaches and rodents. These can cause disease, trigger allergic reaction, and continue to damage materials long after the flood. The effects on common building materials come during and after the flood. During the flood, water-borne contaminants like sewage, simple household chemicals, or petroleum and oil products from motor vehicles, can spread with the flood water and adhere to building materials, causing extensive damage and expensive repair. Buildings that were not flooded but have leaking roofs or pipes which allow water to penetrate are also susceptible to mold growth and may have mold contamination in interior wall cavities or ceilings.

Flooding from Hatchett Creek generally occurs from the East Gate subdivision to the West and adjacent to the Myakka River in the northeaster section of the City. Historical aeriels from the 1940's and 1950's show that Hatchett Creek was rerouted to allow for residential development. As a result, homes were built on EauGaille and Myakka sands which are very deep, very poorly drained, slowly permeable soils. Soils in East Gate are poorly drained and have a seasonal high water table at 6 to 18 inches, for 1 to 3 months of the year, and within 40 inches for 2 to 6 months of the year. Properties that have been developed adjacent to the Myakka River have been designed based on a flood study performed by Kimley Horn Engineering Consultants, and the region has been designed to account for modeled flood stages. Residential structures and the community center in this area have been elevated above the required flood elevation and an extensive drainage system has been constructed to meet the 100 year flood stage conditions.

Road and low-lying areas along Curry Creek are known to have past flood problems. The areas include Bay Indies Mobile Home Park, Roberts Bay Estates, and Mobile City estates. As redevelopment occurs, the new construction and substantial improvements are required to comply with the city floodplain ordinance and construct above the 100 year floodplain elevations. The Southwest Florida Water Management District (SWFWMD) also requires that floodplain compensation calculations be completed to reduce any off-site floodplain impacts.

Rapid growth of the City and the resultant reduction in vacant land available for development, coupled with less than average rainfall for several years, have encouraged people to settle in flood hazard areas. As development has spread around the City, large

amounts of land have been covered with impermeable surface such as parking lots, roofs, driveways and streets. A greater number of teardowns and rebuilds have elevated structures within the floodplain, however, they also have tended towards bigger homes with maximum allowed lot coverage. Not only have these manmade structures covered previously absorbent surfaces, they have also removed much of the existing vegetation. This vegetation normally acts to slow the rate of runoff and to allow a greater portion of rainfall to be absorbed into the ground. There has been a call recently to allow for more lot coverage on residential single family homes, types RSF-1 and RSF-2, to 35%. The additional lot coverage impacts have the potential to increase runoff from the lots for properties that are not required to obtain either SWFWMD permits or provide pre-development versus post-development runoff calculations. These properties that are not required to meet SWFWMD are required to submit signed and sealed drainage plans to the city building department as part of the review process.

The population of the City is currently 22,211. It is expected that the population will increase to 23,982 due to annexations of areas east of I-75 at Laurel Road. The annexation area is sparsely developed and mostly industrial and agricultural at this time. However, major residential and commercial development is expected to occur within the next 5 to 10 years. As the development plans are submitted they will be carefully reviewed for negative impacts on the watershed, natural resources and natural floodplain.

As the City continues to grow, the stormwater system is expanded to meet the demands. The system functions successfully in most areas, however some localized flooding still occurs. Flooding issues are being addressed through implementation of the stormwater master plan, administered by the Stormwater Management Utility.

There are a few critical facilities located in a flood zone that could be subject to flooding. The Sarasota County Department of Emergency Management maintains a Critical Facilities Inventory (CFI) for the County. Critical facilities in Venice include, but are not limited to: City Hall, fire stations, a police station, water production plant and water storage tanks, distribution / collection center and wastewater plants, sewer lift stations, an airport, a hospital, urgent care facilities and a well-field data center. For security purposes, inventory and specifics about each critical facility are available on a secure county database. During a flood event, risks to critical facilities, such as assisted living facilities and hospitals, would include communication and evacuation issues caused by phone or power outages and road closures. Vital community functions such as police or utilities may be impacted, and there remain the potential for secondary hazards created by power outages, road closures, downed trees and power transmission lines, responder communications issues, school closure, evacuation shelters required, phone service outages, water distribution issues and public transportation closures.

The warm watery environment which provides so many benefits to both the human and animal communities, can also impact those same communities with weather conditions that can cause property destruction and loss of human life due to tidal surges and hurricane winds.

The fact that the City has such a large senior population means that there are special requirements during evacuations and recovery from flood events.

Although the City sets aside enough reserve funds to support operating costs for up to 3 months, major disasters have the potential to quickly deplete this source and negatively affect the City's economy for many months.

### Hazard Analysis

The City has exposure to several different types of hazards:

#### 1. Tropical Cyclone / Hurricane Events

A Gulf Coast landfall is one of the three most likely Florida hurricane tracks, as based on planning models. Hurricane season is from June through November. Among the hazards analyzed in this section, hurricane activities pose the greatest threat to the broadest population in Venice. The probability of a hurricane event varies from low to high depending on the time of year and seasonal climate. During a hurricane event, the entire population of Venice would be at risk. A category 3 hurricane would cause flooding of the most heavily populated portions of the City. A category 4 or 5 hurricane would cause flooding almost to the I-75 corridor. Depth of flooding, and velocity vary with each hurricane event and accompanying storm surge. Hurricane and tropical storm watches are issued several days in advance, allowing residents, visitors, and commercial property owners plenty of time to prepare.

#### 2. Floods

- a. The City experiences seasonal flooding during the rainy season, as do many areas of Florida. A flood event can occur any time there is significant rainfall, and especially as a result of a hurricane. The majority of riverine flooding, within the Hatchett Creek, Curry Creek and Myakka River basins, appears to be along the major drainage ditches and the surrounding low-lying areas. Areas located near the coast, adjacent to bays, inlets, creeks, rivers, or the ICW are more prone to flooding than inland areas. The probability of a flood event varies from low to moderate depending on the time of year and seasonal climate, and the impact of a flood event varies from low to moderate depending on location within the City. The circumstances for flooding occurring on the island area of the City are substantially different than those to mainland areas, due to lower finished floor elevations, older infrastructure (storm pipes) and greater impervious ratio. Increased impervious areas have also greatly increased the possibility of flooding throughout the city. Depth of flooding, and velocity vary with each flood event. Hurricane and tropical storm watches are issued several days in advance, allowing residents, visitors, and commercial property owners plenty of time to prepare.
- b. Flooding from Hatchett Creek generally occurs from the East Gate subdivision to the West. Flooding in this area has resulted from Hatchett Creek overflowing its banks. Road flooding has occurred on East Venice Avenue between the intersections of Grove Street and Warfield Avenue, and on Grove Street in the Housing Authority. The impact to the Housing Authority property has been

reduced due to tearing down of the existing structures and replacement with elevated structures and floodplain modeling to verify floodplain compensation impacts are addressed. Warning time is sometimes limited by the quick development of afternoon rain events.

- c. Road and low-lying areas along Curry Creek are known to have past flood problems. The areas include Bay Indies Mobile Home Park, Roberts Bay Estates, and Mobile City estates. Residents generally have sufficient warning time to evacuate.

### 3. Severe Weather

Heavy rains, winds and other storm action are frequent in Florida, especially during the summer months. Tropical storms and hurricanes can spawn tornadoes and wind bursts; Florida has the second highest record of tornadoes in the United States, although Venice does not have a high incidence of tornado activity. In 1982 a tornado killed 1 person and injured several others just east of the city limits. A wind event occurred on April 8, 2008, when a wind burst caused damage to a restaurant on East Venice Avenue and damage to 15 nearby mobile homes. An EF2 tornado touched down in Siesta Key on Jan 18<sup>th</sup>, 2016 with winds estimated to have reached 70mph. There was localized flooding but no damage was caused to business in Venice. A flood event can occur any time there is significant rainfall. The majority of riverine flooding, within the Hatchett Creek, Curry Creek and Myakka River basins, appears to be along the major drainage ditches and the surrounding low-lying areas. Areas located near the coast, adjacent to bays, inlets, creeks, rivers, or the ICW are more prone to flooding than inland areas. The probability of a flood event varies from low to moderate depending on the time of year and seasonal climate, and the impact of a flood event varies from low to moderate depending on location within the City. The circumstances for flooding occurring on the island section of the City are substantially different than those to mainland areas, due to lower finished floor elevations, older infrastructure (storm pipes) and greater impervious ratio. Increased impervious areas have also greatly increased the possibility of flooding throughout the city. Warning time, depth of flooding, and velocity vary with each flood event.

### 4. Wave Action and Beach Erosion

Beach erosion usually occurs during summer tropical storms and hurricanes, however, erosion is known to occur during winter cold front storms. Lesser storms can also bring wave action that causes flooding, and waves can seriously erode natural barriers over time. VE zones, which are subject to wave heights of 3 feet or more, are located along the City's westward boundary - the Gulf of Mexico. Warning time, depth of flooding, and velocity depend on the strength of the waves. Beach erosion facilitates flooding, and the extent and location are determined by the area and amount of erosion.

### 5. Storm Surge

Storm surge occurs when a storm's winds push sea water toward the shore. The advancing surge combines with normal tides to create a hurricane storm tide, raising the average water level 15 feet or more. Storm surge can be hugely destructive. Sand

dunes can be washed out, buildings near the coast can be toppled, and the surge can push flooding miles inland through rivers and back bays. Storm surge occurs along the coastline, the City's westward boundary, the Gulf of Mexico. Depth of flooding depends on the strength of the tropical storm or hurricane. Hurricane and tropical storm watches are issued several days in advance, allowing residents, visitors, and commercial property owners plenty of time to prepare.

6. Dams and Levees

The City lies just outside a Myakka reservoir dam inundation zone. If the dam were to breach, sections of the mainland part of the City could potentially see flooding. It is expected that the extent of the flooding would be minimal, although the flooding could be greater if combined to a severe weather event. The depth of flooding, velocities and warning time would vary with each event. Venice has never yet been subjected to a dam breach.

7. Climate Change and Sea Level Rise

International discussions and studies about changes in sea level rise and climate change theorize that these should be considered as potential risks, especially in coastal communities.

Hazard History

The City's most common hazards are hurricanes, tropical storms, beach erosion, tornadoes, storm surge and flooding. The City has experienced numerous events over the years that have caused flooding, from minimal street flooding to significant flooding of roadways, making them impassable and impacting structures. The primary events have been summarized as follows:

1. October 24, 1921: A storm that originated in the western Caribbean Sea produced high tides (approximately 7 feet), and wave action resulted in heavy damage throughout Sarasota County.
2. September 19, 1926: An un-named hurricane resulted in flood damage of more than \$1 million. This was a 10-year storm in which 8 inches of rain fell in a 24-hour period.
3. June 26, 1943: 7.48 inches of rain fell in a 24-hour period.
4. June 23, 1945: 10.80 inches of rain fell in a 24-hour period.
5. September 10, 1960: Hurricane Donna resulted in flooding throughout the county. Tides ran more than 3 feet above normal, rains totaled between 5 to 7 inches and pre-storm rainfall of almost 10 inches contributed to flooding.
6. September 21, 1962: 7.37 inches of rain fell in a 24-hour period. Total storm rainfall over the 3-day period was 13.83 inches. The storm caused flood damage to houses in Sarasota County.
7. October 1968: An un-named storm caused considerable flood damage.
8. June 18, 1972: Hurricane Agnes caused flood damage due to high tides and 5 inches of rain.
9. June 18, 1982: The "No Name Storm" brought 6 inches of rain and 60 mph winds to Sarasota County with little warning. The storm created high tides and caused structural flood damages.

10. Aug 28 – Sept 4, 1985: Hurricane Elena hovered over the west coast of Florida for 6 days and brought rainfall of more than 11 inches, requiring the evacuation of 37,000 people.
11. October 28 1985: Hurricane Juan caused 25 to 35 foot swells in the Gulf of Mexico, and subsequent coastal flooding.
12. October 16, 1987: Hurricane Floyd brought heavy rains and string winds, resulting in flooding.
13. November 20, 1988: Tropical Storm Keith brought rain and strong winds, creating tidal surges 4 feet above normal
14. June 23, 1992: 11 to 23 inches of rain fell within a 15-hour period, and caused minor flood damage.
15. June 23-26, 1993: Rain exceeded the 100-year, 24-hour storm event with 11.82 inches of rain falling in a 24-hour period.
16. July 18, 1995: Approximately 9 inches of rain fell within a 15-hour period and caused minor flood damage.
17. September 7, 1995: Rainfall of approximately 2 to 3 inches in 1-hour caused localized flooding and approximately \$5,000 worth of property damage (NOAA National Climatic Data Center).
18. Nov / Dec 1997: El Niño event caused 10 to 12 inches of rain to fall within a 24-hour period, causing flooding throughout Sarasota County.
19. August 12, 2000: Rainfall of 4 to 6 inches over a 6-hour period caused localized flooding of low roads.
20. September 15, 2001: Tropical Storm Gabrielle caused storm surge and localized street flooding.
21. May 2003: Rain events caused a lift station to fail and water /sewer damage to a local church that sits along Hatchett Creek.
22. September 5, 2003: Tropical Storm Henri caused flooding that created flooding problems in the East Gate area and intermittently closed sections of Venice Avenue.
23. August 13, 2004: Hurricane Charley, a Category 4 storm, struck Punta Gorda. Due to the compact nature of the storm and the quick course change, the rain and wind impacts to the City of Venice were minimal.
24. September 5, 2004: Hurricane Frances, a very large, slow moving Category 2 storm. Although the eye did not impact the City directly, several inches of rainfall caused some flooding and wind impacts within the County
25. September 16, 2004: Hurricane Ivan a strong Category 4 storm, made landfall near Gulf Shores, Alabama. Although the storm remained west of Venice, beach erosion was experienced.
26. September 26, 2004: Hurricane Jeanne caused flooding impacts although the landfall was on the East coast of Florida, near Stuart.
27. October 24, 2005: Hurricane Wilma made landfall in Florida near Cape Romano, and moved across the peninsular in less than 5-hours. The location of the landfall was far enough south of Venice that winds and rain were minimal.
28. November 7, 2006: Afternoon rains caused roadway and structure flooding along East Venice Avenue.

29. June 2, 2007: Tropical Storm Barry made landfall near Tampa, dropping a few inches of rain and creating high surf conditions along the west coast of Florida, including Venice.
30. March 27, 2008: A rain event caused flooding along East Venice Avenue.
31. August 19, 2008: Tropical Storm Fay made landfall in Florida, south of Naples, and moved northeast with rainfall amounts in excess of 20 inches on the east coast. Because of the path of the storm, there was minimal impact on Venice.
32. May 2009: Rain events during the month caused localized flooding of structures and roadway along East Venice Avenue, between U.S. 41 By-pass and Warfield Avenue.
33. June 2012: Tropical Storm Debbie caused downed trees and flooding.
34. September 2013: A heavy rainfall event caused flooding, overtopping of 2 beach outfall ponds, and beach erosion.
35. September 2014: The Myakka River at Myakka State Park continued to rise above its flood stage of 7 feet. The Venice Myakka River Park was closed, but no other road closures or impacts on the City.
36. August 2015: The Myakka River continued to rise above its flood stage of 7ft. No road closures or impacts on the City.
37. January 2016: Venice was impacted by an EF2 tornado which struck Siesta Key with winds estimated at 70 mph; 300 businesses were damaged throughout the county.
38. June 2016: Tropical Storm Colin made landfall near Deckle Beach in Taylor County, moving at 20mph. Venice was impacted by rain, strong winds, and an unusually high tide, creating tidal surges 3 feet above normal and localized flooding.
39. August 2016: Tropical Storm Hermine (later Hurricane Hermine) caused flooding within the City in the vicinity of Flamingo Ditch, Tarpon Center and S. Jetty Park.

#### Hazard Prevention Activities

The City coordinates Floodplain Management efforts with the Southwest Florida Regional Planning District and the committees responsible for creating the city of Venice Comprehensive Emergency Management Plan (CEMP), the City of Venice Evaluation and Appraisal Report, the Stormwater Management Plan, and the Sarasota County Unified Local Mitigation Strategy (LMS). These were all used as resources for this Floodplain Management Plan.

In 1984, the City of Venice adopted the Flood Damage Prevention Ordinance. This ordinance establishes the minimum standards and requirements for land management, building standards, and control measures in order to minimize flood damage to public and private property. The ordinance was updated significantly in 2006, with all revisions reviewed by the Florida Department of Emergency Management (FDEM). Minor updates were completed in 2010.

In 2006 and 2012, Ordinances 2006-34 and 2012-18 were adopted to include stormwater management and flood related requirements as part of Section 86-230, Subdivision Design Standards. Section 86-232 requires disposal of surface water, maintain any natural watercourses and provide that historic drainage patterns from adjacent properties shall be maintained. In addition, 86-233 applies the standard that no net encroachment into the floodplain, up to that encompassed by the 100-year vent, which will adversely

affect conveyance, storage, water quality or adjacent lands will be allowed. Any required compensating storage shall be equivalently provided between the seasonal high water level and the 100-year flood level to allow storage function during lesser flood events. Section 86-233(n) further defines that the post-development run-off shall not exceed the pre-development runoff for a 25-year, 24-hour storm event including the requirement for drainage calculations to support compliance. Section 86-233(n) further requires that the proposed development runoff may not additional impact areas of existing flooding or ponding nor negatively impact adjacent property.

In 2013, Ordinance 2013-27 amended Chapter 98-Floods, in its entirety. Chapter 98 encompasses all things flood related and is cross referenced with associated chapters dealing with the environment (chapter 34), stormwater management (chapter 74-241), and building s and building regulations (chapter 90). The Florida Building Codes adoption have been adopted in Section 90-20 of the city Code of Ordinances. In addition, Chapter 98-48 was updated to incorporate all of the flood related elements specifically into the city Code of Ordinances by Ordinance 2013-27. All revisions were reviewed by Florida Department of Emergency Management (FDEM) to verify that the local flood ordinance complies with state and federal requirements.

The City of Venice participates with Sarasota County in preparing and implementing a Local Mitigation Strategy (LMS) as part of the Sarasota County Unified Local Hazard Mitigation Plan. In addition to the planning process and public meetings described in the Sarasota County Unified Local Mitigation Strategy 2016, the city incorporates the Floodplain Management Plan into the LMS document and has adopted the LMS to serve as the formal guide for the city's hazard mitigation activities. The LMS project list and Venice Floodplain Management Plan portions of the LMS were updated by adoption of Resolution 2014-35 approved by the City Council 9/9/14. Resolution 2014-39, adopted on December 9, 2014, approved and adopted a combined Floodplain Management Plan that incorporates the Program for Public Information and flood insurance Coverage Improvement Plan into the document and the LMS. This process of adopting the LMS project list and Venice Floodplain Management Plan portions of the LMS will continue annually; the next resolution is scheduled for the September 27, 2016 City Council meeting.

In addition to the planning process needed for the Sarasota County Unified Local Mitigation Strategy, the city's comprehensive plan provides policy direction on emergency management and natural resource protection.

The comprehensive plan has an Emergency Management Element which includes the following policies that are directly relevant to floodplain management and mitigation planning.

Policy 1.3     Emergency Preparedness Plans. The City shall annually evaluate and update, as necessary, the Comprehensive Emergency Management Plan, Sarasota County Local Mitigation Strategy, Floodplain Management Plan, and National Flood Insurance Program (NFIP) Community Rating System.

- Policy 1.4     Development Planning Practices. The City shall continue to evaluate the potential impact of tropical events on its buildings and land areas and update its planning practices and report its findings. Areas to focus on include: [several areas listed including Special Flood Hazard Areas].
- Policy 1.9     Public Awareness and Education. Maintain public education efforts regarding awareness and preparation for disaster and emergency events including community awareness presentations, the annual hurricane workshop, City website and newsletters. Educational efforts should include information about [several topics listed including Flood Insurance].
- Policy 1.10    Community Hurricane Planning. Continue to pursue funding for the implementation of the hurricane mitigation projects listed in *Creating a Hurricane Tolerant Community*. Annually update the plan based on most current best management practices, community needs and City goals.

Policy 1.3 has been implemented on an on-going basis. The city recently updated its Comprehensive Emergency Management Plan, and the preparation of this plan represents another implementation of the policy. In addition, the city is currently coordinating with Sarasota County on the preparation of a Sarasota County Post Disaster Redevelopment Plan. As part of the planning process the City held meetings with representatives from outside agencies, including the Red Cross, SWFWMD, FDEP, Florida Fish and Wildlife (FWC) and the Charlotte Harbor National Estuary Program. The representatives provided input and support to the City's long-term comprehensive plan goals and objectives.

The City adheres to a higher regulatory standard by using the more conservative required finished floor elevation from the currently adopted FIRMs and the riverine model results. This standard prevents new and substantially improved homes from being constructed with a finished floor elevation lower than the proposed 100-year Special Flood Hazard Area (SFHA).

Section 90-104 of City Code requires that the floor of all structures must be built a minimum of 15 inches above the crown of the adjacent road, and section 98 of City Code requires that stormwater management systems requiring a SWFWMD permit be designed such that the post-development run-off does not exceed pre-development runoff for rate and/or volume for a 25-year, 24-hour storm event.

The City also has a 10-year cumulative 50% rule that evaluates the value of the structure for properties that are not currently in compliance with the regulatory minimum floor elevation, to regulate substantial improvements and additions. New construction and substantial improvement require submittal of an Elevation Certificate while under construction and at finished constructed. The ECs are reviewed by a Certified Floodplain Manager (CFM) prior to approval of certificate of occupancy (CO). If construction is located in a velocity zone, the applicants' certification of construction, signed and sealed by a Florida licensed engineer, must be submitted. If the structure is elevated, a statement of non-conversion must be provided by the property owner prior to final CO.

In addition to regularly meeting with the countywide CRS committee, the City periodically discusses mitigation strategies with Sarasota County, the SWFWMD and FEMA.

Available studies regarding climate change and sea level rise are periodically evaluated with assistance from the Florida Floodplain Managers Association provided through publications and information provided at the annual conference.

## **REPETITIVE LOSS AREAS**

The City of Venice has 16 repetitive loss properties; all are on the island, with 15 located along the coastline and 1 further inland. All 16 properties are in the SFHA. A repetitive loss property is defined in section 501 of the 2013 CRS manual as any property “for which two or more claims of more than \$1000 have been paid by the National Flood Insurance Program (NFIP) within any 10-year period since 1978.” Of the 19 repetitive loss area properties previously reported, 3 properties were mitigated in 2007 and are no longer on the repetitive loss list.

Severe Repetitive Loss Properties are defined by Congress as “those 1-4 family properties that have had four or more claims of more than \$5,000 or two to three claims that cumulatively exceed the building’s value.” The City of Venice has 11 properties in this category. These properties are located mainly in the coastal areas, with 1 property located inland.

The City of Venice has 169 insurable buildings in the Repetitive Loss Areas. There are 7 Repetitive Loss Areas that have been identified as illustrated in Figure 4, Appendix C. Of these areas, 6 are located directly along the Gulf of Mexico and one is located inland.

The repetitive losses, as identified by FEMA and the NFIP, have been analyzed to evaluate potential causes and opportunities for mitigation. After reviewing the repetitive losses directly along the Gulf of Mexico from apparent storm surge, it was decided that the area would not be expanded beyond the affected condos. Most of the repetitive losses were only on certain first floor condo units. The one property located inland appears to be due to low elevation and inadequate drainage.

## **VULNERABLE PROPERTIES**

All properties within the city are considered vulnerable to flooding, however, certain sections of the city represent a higher risk due to location, type of use or topography of the area. Areas adjacent to the coastline or other water bodies such as Roberts Bay, the Intracoastal Waterway, Hatchett Creek, Curry Creek, Myakka River or Blackburn Canal are considered to be more vulnerable to the risks of storm surge and riverine flooding. Areas of low topography may experience ponding or localized flooding during rain events.

Type of use vulnerabilities would be related to critical use facilities or facilities that would be of significant need before, during or after a flood event, such as grocery and hardware stores. There are a few critical facilities located in a flood zone that could be subject to loss. The Sarasota County Department of Emergency Management maintains a Critical Facilities Inventory (CFI) for the County. Critical facilities in Venice include, but are not

limited to: City Hall, fire stations, a police station, water production plant and water storage tanks, distribution / collection center and wastewater plants, sewer lift stations, an airport, a hospital, urgent care facilities and a well-field data center. For security purposes, inventory and specifics about each critical facility are available on a secure county database.

The City has 169 insurable structures in the RL area. In addition to these structures, 2 commercial buildings were identified as vulnerable structures in the Hatchett Creek Master Basin Plan. The Curry Creek Master Basin Plan identified 1 residential property and 1 multi-family property as vulnerable structures. Approximately 50 to 60 residential properties were identified as vulnerable structures in the Island of Venice master Basin Plan, of which 33 are included in the RL area. Chapter 98 in the Venice City Code of Ordinance regulates development activities.

The potential dollar loss of vulnerable structures is estimated at \$200,000 for the Hatchett Creek basin, \$300,000 for the Curry Creek basin, and between \$15 and \$20 million for the Island of Venice basin. Reviews of the flood insurance claims show that the properties most affected by flooding are Coastal areas near Roberts Bay and the Gulf of Mexico.

## **PAST STUDIES**

A series of basin plan studies were conducted in 2002. These studies were used to evaluate flooding in areas other than the RL areas, and listed structures below the finished flood elevation. Past council meetings, public workshops and newspaper articles were also analyzed in preparation of this plan. Riverine basin studies were conducted by SWFWMD, funded by FEMA, and adopted by Sarasota County in 2009, and the City of Venice in 2010.

A study of portions of the Myakka River basin was completed by SWFWMD and, in December 2014, FEMA posted digital copies of the proposed preliminary Flood Insurance Rate Map and Flood Insurance Study report for Sarasota County. These maps and studies have been adopted by the City of Venice, and will become effective on November 4<sup>th</sup>, 2016.

## **NATURAL FLOODPLAIN FUNCTION PLANNING**

Preservation of the natural function of floodplains and waterway systems is essential to reduce impacts from flooding. Open space also provides additional percolation of stormwater and reduces the quantity of runoff that could otherwise contribute to flooding. The Conservation and Open Space Element of the comprehensive plan has numerous policies which address the reduction of impervious surface areas, protection of native habitats, low-impact development site design practices, wetland and aquifer recharge areas protection, natural drainage and channels protection. These identified elements have been specifically identified with the intention of protecting and preserving these important resources.

Wetlands, as defined in Chapter 9J-5.003(149) of the Florida Administrative Code, can be found in the coastal areas, near the Myakka River, and near water tributaries such as

Curry Creek and Hatchett Creek. They provide an important role in reducing flooding through storage and natural functions. The City works in coordination with the Charlotte Harbor Estuary Program and other state entities to protect the wetlands within City limits. Approximately 13% of the City is categorized as a wetland, water body or drainage right of way.

In the ICW, slow speed areas protect the Florida manatee. The ICW connects to bays that are important for marine food source, fish habitat, and waterfowl nesting. Mangroves can be found along water areas throughout the City of Venice. The Mangroves provide erosion protection, water buffering, as well as filtering out upland pollutants. Mangroves are specifically protected through the FDEP.

The City's beach and sand dune system is very important for the protection of upland infrastructure and buildings, and also to support our tourist economy. These areas are habitat for scrub jays, sea turtles, and gopher tortoises which are common along our coastal areas. The City works diligently with the FWC, Mote Marine, and other agencies and non-profit organizations to protect the endangered species, while maintaining a level of service to our residents and visitors through education and code enforcement.

Federal, state, county and local regulations provide combined protection of the natural floodplain function. Army Corp of Engineers, Fish and Wildlife Commissions, FDEP, and SWFWMD all regulate development within wetland and natural watery ways including the protection of wildlife, coastal environment, native vegetation and natural function of the water way and adjacent system. Sarasota County also has regulations that are adopted within the city to protect natural vegetation systems, such as trees and mangroves, and protected species, such as the manatee protection program. Section 98-34 of city code requires that all permits from these agencies be provided prior to construction to verify that these requirements are enforced. In addition, Chapter 98 of city code limits development within the floodway and Section 86-233 requires that lots and street be designed to maximize the preservation of natural features, trees, tree masses, unusual rock formations, watercourses and site which have historical significance.

## **PRE-DISASTER PLANNING**

In 1994 the City developed a study entitled "Creating a Hurricane Tolerant Community" (HTC). The HTC: reviewed the geography of the community as it relates to hurricane impacts; offered solutions to address potential disaster problems before a hurricane occurs; and found a need for strengthened communication and education efforts. In 1994 the HTC was approved by the State as the City's Pre-disaster Redevelopment Plan, in order to reduce damage and prevent catastrophic hurricane damage to the community.

In addition to the HTC, Venice also maintains a Comprehensive Emergency Management Plan (CEMP), which is updated annually. The city coordinates its disaster management practices with Sarasota County Emergency Management under the LMS. The purpose of the LMS is to coordinate with participating jurisdictions to identify and prioritize projects and initiatives that are mitigating in nature. A mitigation project is defined as having elements that reduce the natural hazard impact to the community. Sarasota County and

each municipality within the County - the cities of North Port, Venice, Sarasota, and the Town of Longboat Key, have approved the plan. The project list for 2016-2017 has been updated for incorporation into the LMS and is attached as Appendix D.

## **POST DISASTER PLANNING**

Flooding can have hazardous post-disaster conditions. The major features of flooding that impact the extent of damage are the flood depth, duration, and contaminant type and concentration in the flood water. Standing water and prolonged dampness provide breeding grounds for bacteria, viruses, mold, dust mites, mosquitoes, cockroaches and rodents. These can cause disease, trigger allergic reaction, and continue to damage materials long after the flood. The effects on common building materials come during and after the flood.

In 2015 the City coordinated with Sarasota County on the preparation of a Sarasota County Post Disaster Redevelopment Plan. As part of the planning process the City held meetings with representatives from outside agencies, including the Red Cross, SWFWMD, FDEP, Florida Fish and Wildlife (FWC) and the Charlotte Harbor National Estuary Program. The representatives provided input and support to the City's long-term comprehensive plan goals and objectives.

## **OUTSIDE FUNDING SOURCES**

The city acted as a participating technical partner with SWFWMD to complete a FEMA funded riverine and LIDAR topographic studies for watersheds within Sarasota County. These studies were completed and forwarded by SWFWMD to FEMA for completion of the updated digital Flood Insurance Rate Maps (D-FIRMs). The updated D-FIRMs were evaluated by FEMA and issued as preliminary D-FIRMs in the spring of 2015. A 90-day protest and appeal period was made available to the public. The maps and Flood Insurance Studies have been adopted and will become effective on November 4<sup>th</sup>, 2016. The updated maps provide aerial overlays of the flood zones over properties county-wide, to provide more accurate and easily read flood maps.

FEMA has initiated a study of the Coastal A zones to evaluate the impacts of storm surge on coastal properties. The identification of Coastal A zones allows for better identification of flooding risks for coastal properties. Upon completion, the digital FIRMs will be updated to incorporate Coastal A zones as appropriate.

Beach erosion and coastal surge impacts are two hazards faced by the City of Venice. Beach re-nourishment is completed on a regular basis and reef placement was conducted in 2005 to provide protection for life and property adjacent to the beach. In 1995 the City entered into a 50-year funding agreement with the U.S. Army Corps of Engineers (USACE) to re-nourish the beaches every 10 years until 2035. Funding participation for this important project is also provided by the FDEP. The most recent beach re-nourishment was completed in 2015. The next beach re-nourishment project is scheduled for the winter of 2024-25. Completion of the re-nourished beach provides the first line of defense to storm surge and coastal erosion impacts to coastal properties.

The Federal Disaster Mitigation Act of 2000 (DMA2000) requires all local agencies in the country to adopt a federally approved Multi-Hazard Mitigation Plan in order to receive post-disaster funds. The City of Venice complies with this requirement through our multi-Hazard, Multi-Jurisdictional, LMS Plan with Sarasota County, and the cities of Sarasota, Northport, and the Town of Longboat Key.

The FEMA Hazard Mitigation Grant Program (HMGP) provides grants to states and local governments to implement long-term hazard mitigation measures after a major disaster declaration. The purpose of the HMGP is to reduce the loss of life and property due to natural disasters and to enable mitigation measures to be implemented during the immediate recovery from a disaster. The HMGP is authorized under Section 404 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act. Using HMGP funds, the Venice Community Center was hardened to meet hurricane standards and upgraded for use as a special needs shelter. The Venice Community Center generator project was completed in 2013 as an HMGP project. Hurricane shutters were installed on City Hall as a past HMGP project, and the Venice Avenue Drainage project, which provided upsizing of the stormwater system and additional storage during rain events, was completed to protect an important evacuation route and to protect adjacent properties from flooding impacts. Funding was provided through FEMA HMGP grants and the FDEP. The Westgate Drainage project is under construction using an HMGP grant.

In addition to regularly meeting with the Countywide CRS Committee, the City periodically discusses mitigation strategies with Sarasota County, the SWFWMD and FEMA. Additionally the City occasionally receives mitigation funding through grants or Capital Improvement Programs (CIPs) from these same agencies.

## **MITIGATION POLICIES AND PROCEDURES**

### Mitigation Strategy

The City of Venice participates with Sarasota County in preparing and implementing a Local Mitigation Strategy (LMS). The purpose of the Countywide LMS is to establish a mitigation plan to reduce disaster losses that may cross government entities. The list combines pre-disaster and post-disaster mitigation projects. All types of mitigation projects are covered, and are not limited to flooding. For the purpose of this Floodplain Management Plan, only the flood related goals and objectives are addressed here:

### LMS Work Group Goals

1. Reduce Structural Flooding  
The City will continue to assess RL areas and find ways to decrease the impact of riverine and coastal flooding through Capital Improvement Projects (CIPs).
2. Reduce Flooding on Major Roadways  
The City will construct projects that reduce flooding to major roadways and evacuation routes
3. Preserve Natural Habitats
  - a. The City will undertake projects that reduce impacts to natural habitats while controlling flooding.

- b. The city will minimize developments in floodplains and wetlands.
- 4. Protect People from Flooding
  - a. Ensure residents, visitors, and businesses are given adequate warning of flood potentials.
  - b. Plan projects that protect lives and property.
- 5. LMS Plan
 

The City will work with the LMS Working Group to adopt, routinely update and implement the LMS Plan.

#### LMS Work Group Mitigation Planning

1. The LMS work group will evaluate and review ongoing mitigation practices as stated above.
2. The LMS work group will ensure that public funds are used in the most efficient manner by:
  - a. Evaluating and prioritizing mitigation projects, starting with those sites facing the greatest threat to life, health and property.
  - b. Utilizing public funding to protect public services and critical facilities
  - c. Utilizing public funding for projects on private property, where the benefits to the community exceed the cost.
  - d. Determining ways to maximize the use of outside funding sources.
  - e. Maximizing owner participation in mitigation efforts to protect their own properties
  - f. Encouraging property owner self-protection measures in preparing for storms and other hazards.
3. The Repetitive Loss area will be evaluated:
  - a. All property owners in the RL area shall be advised that an analysis will be conducted, and their input requested, on the hazard and recommended actions.
  - b. The City will coordinate with agencies or organizations that may have plans or studies that could affect the cause of impacts of flooding such as the SWFWMD mapping, FEMA D-FIRM update and FEMA Coastal A Risk mapping.
  - c. Each building in the RL will be visited and basic data collected. Protection measures, or drainage improvements, will be reviewed to determine whether alternate approaches are feasible.
  - d. The findings of the review will be documented, with a separate analysis for each area.
  - e. An annual evaluation of the RL activities is to be conducted, with an update of the RL areas every 5 years.

#### City of Venice Current Mitigation practices

The City of Venice continues activities in the following mitigation practices: Preventive Activities; Property Protection; Emergency Services; Structural Projects; Natural Resource Protection, and public outreach through the Program for Public Information (PPI).

## 1. Preventive Activities

Preventive Activities keep flood problems from getting worse. The use and development of flood-prone areas is limited through planning, land acquisition or regulation. Preventive activities are administered by Building, Planning & Zoning and Engineering Review.

The City has adopted codes that require new and substantial improvement to meet a higher regulatory standard than that required by the CRS, and thereby reduce the potential for flood risks. The higher standard is comprised of riverine model adoption, a requirement to elevate the structure 15 inches above the crown of the adjacent road, 10-year cumulative evaluation for substantial improvement, velocity zone certifications by a FL licensed engineer, non-conversion certifications for elevated construction, and post-development volume and rate requirements to reduce downstream and upstream impacts. Section 98 of the City Code was also updated to meet required Florida Building Code requirements, and to verify compliance with FDEM models.

Flood zone determinations are completed by a Certified Floodplain Manager (CFM), and a comprehensive evaluation of the available resources is completed to verify both the FIRM and the regulatory finished floor elevations. As part of the flood zone determination process, residents are provided information about flood zone, FIRM, minimum required finished floor, higher regulatory standard, adjacent flooding, repetitive loss areas, flood insurance, natural systems and coastal protection zones. The flood zone is designated for regulatory purposes to be the more conservative of the FIRM or the adopted floodplain riverine studies that have been transmitted to FEMA for incorporation as part of the digital map update program (D-FIRM). In addition to requiring compliance with the proposed flood zone elevations based on the model results, the city also conveys information about the additional 15" above crown of adjacent road that must also be met to comply with city code for new construction and substantial improvement.

Coastal areas are enforced by regulation from the NFIP and the Coastal Barrier Resources Act (CBRA). The Coastal Zone Protection Act of 1985 dictates the distance that structures can be located, based on the Coastal Construction Control Line (CCCL) as approved by the state on July 18, 1978. City Code also regulates development in the coastal high-hazard areas, or V-zones, as defined by the FIRM. Permitting is based on the Flood Zone Map of the Adopted Regulatory Floodplain as shown in Appendix C, Figure 1.

Construction permitting requires an approved permit from the SWFWMD. All redeveloped lots with elevated structures must have a Stormwater Site Drainage Plan certified by a Professional Engineer. All sites are required by the City to provide a yearly site inspection report verifying that privately owned stormwater management systems are operating as originally designed, and receiving appropriate maintenance. Any sites that are neglected or not in compliance are reported to SWFWMD and brought to the City's code enforcement board for enforcement.

The State of Florida addresses coastal development in the Florida Statutes through implementation by the FDEP rule 62B-33 Florida Administrative Code. The statute

establishes a Coastal Construction Control Line (CCCL) wherein development seaward of the line is subject to FDEP review to ensure that Coastal construction minimizes the adverse impacts to beach-dune systems and adjacent properties and is designed to meet hurricane resistant building standards. An Erosion Control Line (ECL) has also been established along the Venice shoreline that further limits potential structure construction. Extensive review of all building permits proposed seaward of the CCCL or ECL line is conducted by FDEP Beaches & Coastal Systems to verify compliance with the stringent state administrative code. (City permit require and approved CCCL permit or exemption prior to approving building permits for properties located seaward of the CCCL.)

All construction must conform to the latest adopted Floodplain Ordinance, Engineering Design Standards, Subdivision Regulations, Zoning, and all other applicable city codes. These regulations, include setback requirements, special infrastructure design, and prohibited uses. Further evaluation from SWFWMD related to floodplain compensation natural system impacts and post-development stormwater regulating increase the effectiveness of the City codes. The USACE further reviews impact to protected wetlands, and the FWC and FDEP review impacts to protected species.

Open space preservation is addressed in the City's 2010 Comprehensive Plan. The Comprehensive Plan has identified that the City will maintain a minimum of 7 acres of dedicated or designated park per each 1,000 functional population. Subdivision regulations require a certain amount of open space within developments that have reduced lot size (30% for cluster housing, and 50% for townhouses). Preservation Open Space enhances the natural function, reduces stormwater run-off, provides recreation and protects wildlife.

## 2. Property Protection Activities

Property protection flood insurance flood activities are achieved through public information notices and personal discussions with potential and existing property owners. Twice annually, a flyer is mailed to all residents that receive a utility bill informing them of the flood hazard in the area and encouraging flood insurance purchase. As part of hurricane and flooding awareness, information is provided to residents through the Venice City E-News and posted on the City website in May of each year. Property owners in the repetitive loss area are notified annually by mail of their options for flood insurance, retrofitting, mitigations and flood preparation.

Education opportunities for realtors and insurance agents are accomplished through public speaking engagements and mailings. In addition, mandatory floodplain handouts detailing the flood insurance requirements for properties within the SFHA along with numerous FEMA brochures are provided at numerous locations including the Engineering Department, City Hall lobby, Venice Public Library, and distributed in bulk to area Board of Realtors and Insurance Agents. Disclosure brochures are provided to real estate agents to alert potential buyers of floodplain impacts and insurance needs.

Structures in the SFHA, at 601 LaGuna Drive and 833 Madrid Avenue, were voluntarily demolished between October 2015 and September 2016. The structures had a finished

floor elevation (FFE) below FEMA regulations. These structures were replaced by the property owners with compliant structures sufficiently elevated to meet the minimum FFE and reduce potential flood losses.

### 3. Emergency Services

Hurricanes, with their associated flooding potential, are the most common large-scale emergency situations that the city must prepare for. The Sarasota County Department of Emergency Management is the responsible authority for developing and administering hurricane preparedness planning through the Comprehensive Emergency Management Plan. The plan establishes uniform policy and procedures for coordination throughout the county and with all local governments in county limits. Select officials from the City of Venice are stationed at Sarasota County Emergency Operations Center (EOC) during emergencies. The Sarasota EOC operates through a technologically advanced system. The EOC has access to on-line meteorological services, is equipped with an emergency satellite communication system, and can deliver television feed to area communities.

The City is partner in a statewide mutual aid agreement for catastrophic disaster response and recovery. If mutual aid is deemed necessary, the city attorney will review and present to City Council specific requests. Mutual aid can also include cooperation from federal entities.

Depending on the seriousness of the emergency, the City of Venice incident commander may choose an alternate local site for the emergency operations center (EOC) from a number of mobile or fixed locations. This choice would be more likely for a localized rain event than a county-wide hurricane event.

Every year, prior to hurricane season, the City of Venice, conducts a free hurricane seminar for the public. The seminar is advertised through press releases to the local media, by local stakeholders, on the City website, and in the Venice City E-news.

Prior to the arrival of a storm, the City of Venice Police Department and the Sarasota County Department of Emergency Management are charged with notification and orderly evacuation of citizens and visitors in the affected zones, and establishing and monitoring evacuation routes. The CodeRED® system is put into place at this time as well, notifying residents and visitors of evacuation. Alerts are also sent to, and issued by, the National Weather Service and through NOAA weather radio alerts. Residents and visitors that are told to evacuate are encouraged to find the shortest route to the closest open public shelter. Links to evacuation maps are on the City website, they are advertised throughout the year – especially prior to hurricane season – and at the annual hurricane seminar. Annual readiness training and drill are completed in conjunction with Sarasota County to assure the city is ready to respond prior to and following any hurricane, flood or other emergency event.

In the event that there is proper warning time before a storm, residents are advised to protect their property from potential wind or flood damage. This advice is reiterated in annual mailings to utility customers and at the annual hurricane seminar.

In August 1998, Sarasota County Emergency Management Department completed installation of an Automatic Rainfall Management System (ARMS), a virtual weather system that is linked to a satellite system and ultimately provides a picture of how much rain will fall in a specific area. There are 53 gauges in the network. The gauges function as an early warning system for storm related coastal surges and riverine flooding. There is a link to these real-time gauges on the city website.

The city has the capability to interact with our own and other agencies through an 800 MHz Truck Radio System. With this system in place, communication between city police, public works, utilities, and emergency vehicles are possible. All city department directors and supervisors also carry cell phones and are able to communicate as long as towers are still standing.

The Southwest Florida Regional Planning Council completed a Hurricane Evacuation Study in 2010. It includes information such as shelter listings, evacuation routes, and clearance times. The Study also included updated Sea, Lake, and Overland Surges from Hurricanes (SLOSH) model. The SLOSH model includes mapping that shows hurricane surge limits for all county residents. The study can be found at [http://www.swfRPC.org/evac\\_study.html](http://www.swfRPC.org/evac_study.html).

#### 4. Natural Resource Protection Activities

In 2009 the City acquired a 10-acre abandoned cement plant property along Hatchett Creek near the ICW. This property was reclaimed as open space and is now Legacy Park. Concrete debris and invasive species were removed to allow restoration of the natural state including wetland restoration. The site had several structures with finished floors below the required minimum elevation within the SFHA that were vulnerable to flooding. These structures were demolished and the area converted to open space, or replaced with compliant public restrooms, picnic pavilions, a multi-use trail, playground, and parking amenities, to allow this area to function as a public recreation area.

The Venice Avenue Drainage project was completed in 2010. As part of this project, the City acquired a 1.43-acre site with an existing commercial structure with a finished floor below the required minimum elevation. The structure was demolished and a pond was created to increase stormwater storage and improve water quality prior to discharge to Hatchett Creek. This site is now a pocket park with a sidewalk for residents to walk and bike around a stormwater pond that is home to numerous water birds and other wildlife. The community park has a shaded picnic area, benches and limited parking spaces, and is now better known as Ruscelletto Park. The larger combined Venice Avenue Drainage Project increased the capacity of the stormwater system to remove routine flooding within the critical evacuation route, and address the issue of street flooding that routinely threatened the commercial businesses along the corridor. This project was funded by SWFWMD and FEMA through a HMGP. Additional CIPs to protect vulnerable structures and evacuation routes have been included in the LMS project list, and the City will continue to look for funding opportunities to complete these high priority mitigation projects.

Venice Beach is re-nourished on a regular basis in order to establish a fixed dune and stabilized beach system to provide flood protection to the coastal community during storm surge events. The most recent beach renourishment was completed in 2015. Additionally the existing stormwater beach outfalls are regularly evaluated to look for opportunity to improve the function of the drainage system and to verify proper operation of the existing facilities. This project is being performed in partnership with the Army Corp of Engineers and the FDEP as funding partners. The next re-nourishment event is scheduled to be completed in 2024-2025.

Hatchett Creek Restoration: This natural waterway had become seriously clogged with silt and invasive vegetation. In order to restore the effective function of this waterway and to restore the creek's natural function, the silt, exotic and overgrown vegetation and debris were removed. Native vegetation was planted to reestablish the natural ecosystem and secure the shoreline.

Impacts to wetlands are reviewed as part of the construction plan process implemented by the Engineering department. The process ensures proper mitigation and evaluates natural floodplain function impacts. In addition, tree permits through Sarasota County Natural Resources are required prior to removing existing trees, and wetland impacts are evaluated by SWFWMD with mitigation required, if applicable. The City also participates in the Charlotte Harbor National Estuary Program to restore and protect natural estuary systems in the region.

## 5. Structural Projects

The One-Cent Voted Sales Tax, approved by city voters, funds many major structure projects. Additionally, stormwater projects are funded through the Stormwater Enterprise Fund and often supplemented with different grant programs such as FEMA HMGP, SWFWMD and State grants. The available funds are dispersed to prioritized and ranked projects in the city annual budget approved by the City Council. Projects placed on the LMS project list are reviewed and ranked by the LMS Work Group.

- a. Structural Projects: There are no structural projects currently in progress.
- b. Other Improvements: A comprehensive evaluation of the stormwater management system is underway. Through this assessment, in conjunction with the adoption of the D-FIRMS, the city intends to expand the capital improvement program with a priority of more effective stormwater system operation and flood reduction. Currently, funding is allocated from the Stormwater Enterprise Fund to respond to on-going system maintenance needs.

## 6. Post Disaster Mitigation

Mitigation from flooding and other hazards such as wind, fire or surge is handled on a county wide basis. Sarasota County Emergency Management is the primary agency charged with post-disaster mitigation assessment.

- a. The Emergency Management Chief or designee has the primary responsibility for assessing mitigation needs in the post-disaster environments. The Sarasota

County Property Appraiser, Sarasota County Public Works Business Center, Sarasota County Planning and Development Business Center and Municipalities are the supporting agencies that work closest with Sarasota County Emergency Management in post-disaster mitigation assessment. There are, however, a number of other local agencies that may indirectly support mitigation in Sarasota County. These agencies are listed in the Sarasota County CEMP, Annex II, Exhibit 1.

- b. Sarasota County Emergency Management serves as the coordinating organization for all post-disaster mitigation activities. Local agencies involved in these operations will vary according to the specifics of each event. Emergency Management staff will contact all agencies for post-disaster mitigation activities and notify them as to their role in these operations. Notifications can be made via telephone using the Sarasota County Emergency Management Notification Directory located in the EOC. In addition, many of the agencies will be active in the response phase of a disaster and maintain representation in the EOC as post-disaster operations are escalating. The Sarasota County Emergency Management Chief or designee will be responsible for coordinating mitigation activities with the municipalities and the State EOC. The City Managers or designee will be updated throughout the response, recovery and mitigation phases of the event. During non-event periods, meetings will be held quarterly or as required. During events, briefing meetings will be held daily or as determined based on the situation.
- c. Emergency Management will notify all supporting agencies required for mitigation assessment operations; coordinate all activities required to identify potential mitigation projects and initiatives, assist in the application process for mitigation related grants; and may serve as the grant administrator for all mitigation grants when required. The Emergency Management Chief or designee also serves as the point of contact for providing information to residents of the county describing how they can minimize damage from future disasters. Priority will be also given to identifying mitigation opportunities for any public infrastructure damaged by the disaster. These mitigation measures are eligible for funding under the Public Assistance grant program. The Emergency Management Chief or designee will coordinate on an as needed basis with the Bureau of Recovery and Mitigation at the Florida Division of Emergency Management. Although Sarasota County Emergency Management does not have any formal agreements with agencies to assist in post-disaster mitigation activities. There is an annual agreement in place with the Southwest Florida Regional Planning Council to coordinate mitigation planning activities. Local agencies within the county have historically worked together as needed in the aftermath of disasters.
- d. The Sarasota County Property Appraiser will support the Sarasota County Emergency Management by providing technical expertise regarding property values, damages and losses to properties as a result of a disaster.
- e. The Sarasota County Planning and Development Business Center along with the similar municipal departments will provide support to Emergency Management in identifying mitigation activities that could reduce the vulnerability of public infrastructure, businesses and housing stock to damage and loss from natural and manmade disasters.

- f. The Sarasota County Public Works Business Center and the Municipal Public Works Departments will assist the Emergency Management in identifying potential road, bridge, culvert and water and sewer mitigation projects.
- g. Emergency Management will serve as the organization responsible for coordinating mitigation activities for lead and support agencies. The Sarasota County Emergency Management Chief or designee is the person responsible for this task. In Sarasota County, much of the work involved in identifying opportunities for possible mitigation activities is carried out during the pre-disaster mitigation phase (e.g. during the mitigation project identification process carried out by the Sarasota County LMS Work Group). Opportunities for mitigation are also discovered during the initial and preliminary damage assessments and throughout the public assistance processes. The supporting agencies noted above document damage to public infrastructure, businesses and residences working in conjunction with Emergency Management. The Sarasota County LMS Work Group, along with input from supporting agencies, then considers the information gathered during the recovery phase and determinations are made regarding potential mitigation projects.
- h. The Sarasota County Emergency Management Chief will be responsible for coordinating all equipment and resources necessary for mitigation assessment are available when needed.
- i. Vehicles used for mitigation assessment include city and county government vehicles, fire department vehicles and personal vehicles.
- j. The following equipment is provided by Emergency Management and used for mitigation assessment: office supplies, maps and disposable cameras. Other resources may be requested on an as needed basis through Emergency Management.
- k. Equipment, vehicles and supplies necessary for mitigation activity are located throughout the county either in stations, assigned to individual personnel or readily accessible to department personnel.
- l. Personnel involved in mitigation activities will receive on-going training according to their individual needs. Sarasota County Emergency Management will work with all mitigation assessment team members to ensure that all training needs are met. The primary source for mitigation training is the Florida Division of Emergency Management.

#### LMS Work Group Action Plan

Sarasota County Emergency Management is the lead agency for all mitigation activities in the county. The emergency management chief, or designee, has responsibility for monitoring all pre-disaster and post-disaster mitigation activities, and for coordinating mitigation activities with the Sarasota County LMS Work Group.

The Sarasota County Emergency Management Chief, or designee, will be responsible for coordinating mitigation activities with the municipalities and the State Emergency Operations Center (EOC). The City managers of the City of North Port, City of Sarasota, City of Venice, and the Town of Longboat Key, or their designees, will be updated through the response, recovery, and mitigation phases of the event.

The Venice portion of the LMS Action Plan is attached as Appendix D. It is extracted from the LMS Strategy for 2016-2017, and publicly available at:  
<https://www.scgov.net/AllHazards/Pages/LocalMitigation.aspx>

## FLOODPLAIN MANAGEMENT ACTION PLAN

This Floodplain Management Plan seeks to incorporate the best available information from all City resources and preventive activities. The action plan is listed below in Table 2.

**Table 2: FMP Action Plan**

<b>Action Item</b>	<b>Goal 1. Protect Critical Facilities and Utilities</b>	<b>Goal 2. Protect Lives and Health</b>	<b>Goal 3. Protect homes, Businesses and Schools</b>	<b>Goal 4. Minimize the costs to the</b>	<b>Goal 5. Ensure that New Construction Supports these Goals</b>	<b>Deadline</b>
<b>Administrative Action Items</b>						
Plan Adoption						9/30/2016
Plan Update						8/01/2016
Monitoring and Reporting	X	X	X	X	X	9/30 annually
Community Rating System	X	X	X	X	X	Each CRS visit
<b>Program Action Items</b>						
Drainage Improvements	X	X	X	X		Ongoing
Drainage System Maintenance	X	X	X			Ongoing
Property Protection Funding	X	X	X	X		Ongoing
Regulatory Review	X		X		X	Ongoing – at each committee meeting
NFIP Administration	X	X	X	X	X	Ongoing
CFMs	X	X	X	X	X	Ongoing
BCEGs	X	X	X	X	X	Ongoing

Flood Response Plan	X	X	X	X	X	Ongoing
Annual Mailings		X	X		X	Various, throughout the year
Technical References		X	X		X	CRS Visit
<b>Public Information Items</b>						
Public Information Projects		X	X		X	Ongoing
Public Information Messages		X	X		X	Ongoing

## **PROGRAM FOR PUBLIC INFORMATION**

### **PLAN DEVELOPMENT:**

The CRS Committee met 7 times in August and September, 2014, to develop the Program for Public Information Plan in conjunction with the Floodplain Management Plan. Steps taking during the development process are outlined in the meeting agendas, minutes and resolution adopting the CRS Committee in Appendix B. During the development process, review comments were received from Janice Mitchell, Insurance Program Specialist, FEMA Region IV, and through the Community Rating System review process. Based on comments received then and since, this plan has been updated to include additional documentation and clarification of the processes followed in completing the Floodplain Management Plan. In addition, the Program for Public Information and Coverage Improvement Plan were incorporated into the Floodplain Management Plan for clarity and more efficient monitoring of program goals and accomplishments.

### **PLAN GOALS**

The goal of the Floodplain Management Plan is to raise awareness in the community about local hazards, flood insurance, mitigation, and other flood related issues. In addition to addressing floodplain management issues, the Floodplain Management Plan incorporates the Program for Public Information and flood insurance Coverage Improvement Plan into one document to provide a coordinated effort. The intent of the program is to provide effective messages and complete projects that assist the public in protecting themselves from the hazards of floods through increased education, flood insurance protection, and mitigation of potential flood risk. With guidance of the Community Ratings System Coordinator's Manual, 6 priority and 4 additional messages with local relevance have been identified to be delivered. These are shown in Table 3 below:

**Table 3: PPI Plan Goals**

<b>Number</b>	<b>Topic</b>	<b>Message</b>	<b>Desired Outcome</b>
1	Know Your Hazard	Check to see if you live in the SFHA	Increased awareness about local flood hazards, especially as it pertains to the individual and their property.
		Flood Zone Assistance available at City	
		Difference between riverine and surge flooding	
		Localized flooding information	
		Insure your property for your flood hazard	
2	Buy Flood Insurance	Homeowners insurance does not protect against flood damage	Increased number of flood insurance policies throughout the City, in both the SFHA and Non-SFHA.
		CRS discounts available	
		30 day waiting period	
3	Protect People from the Hazard	Do not walk through flowing flood-water	Increased awareness about flood related hazards, resulting in reduction of flood related injuries.
		Do not drive through flooded areas	
		Stay away from power lines and electrical wires	
		Have electricity turned off if property has been flooded	
		Watch your step – look out for animals and harmful insects in flood waters.	
		Be alert for gas leaks	
		Do not enter a building that has been flooded, until it has been cleared for re-entry by an inspector	
4	Protect Property from the Hazard	Keep driveway culverts clean and free of obstructions	Reduction in flood insurance claims and Substantial Improvement/Substantial Damage permit requests.
		Report ditch blockages to City Public Works Dept.	
		Retrofit your property: Re-grade or elevate structure	
		Elevate air handlers, electrical boxes and water heaters	
		Make sure your downspouts are clear and directed away from the house	
		Mitigation grants are available	

Number	Topic	Message	Desired Outcome
5	Build Responsibly	Check with Building Dept. before initiating construction or altering grades, to see if permit is needed	Increased understanding of local laws and ordinances governing construction, leading to a reduction in Code Enforcement citations
		Report un-permitted construction	
6	Protect Natural Floodplain Functions	Keep drainage area free of debris	Increased understanding of floodplain functions, and of local stormwater regulations, resulting in fewer Code Enforcement citations.
		Do not dump or throw anything into ditches, inlets or streams	
		Limit use of fertilizers	
7	Hurricane Preparedness	Know your evacuation zone	Increased awareness of the need for hurricane preparation, resulting in better prepared citizenry during an evacuation, and expedited insurance claims in the case of a flood event.
		Inventory and photograph your home and contents, and store with insurance and important documents in a safe place	
		Create a safety plan, with a checklist of steps to take before, during and after a hazard	
		Attend the annual City sponsored Hurricane Preparation seminar in May	
8	General preparedness	Register for CodeRED® early warning notification system	Increased awareness of the need for hurricane preparation, resulting in better prepared citizenry during an evacuation and expedited insurance claims in the case of a flood event.
		Tune into local TV and radio channels for flood notifications, or purchase a weather alert radio	
9	Elevated and Flood-vented Properties	Keep flood vents open and unobstructed	Reduction in flood insurance claims and Substantial Improvement/Substantial Damage permit requests.
		Non conversion statement for areas below the required minimum finished floor	
10	Flood Education.	Teach children about flood safety and your safety plan	Increased awareness of flood safety resulting in better prepared citizenry during an evacuation, and reduction of flood related injuries.

It is important for these messages to be tailored to meet the local conditions and the appropriate target audience. Public outreach information must be reviewed and evaluated to verify that it is effectively reaching the targeted audience and provides clear messages which are more likely to change behavior. Understanding these important priority and additional messages is critical to improving the accuracy of the perceptions of the risks as they relate to flooding and other hazards. Through accurate education, residents have an opportunity to make informed decisions and effective measure to protect life and property. This plan will seek to build on those messages and add additional, locally pertinent ones as necessary. For example, additional priority outreach messages were sent as the digital flood maps were prepared, released and adopted within the city. Outreach messages will be sent as FEMA prepares and releases, and the City adopts, the Coastal A Zone maps. These outreach messages need to be sent out in various formats and repeated through-out the year to reach the largest audience.

Target audiences were identified through discussion in the committee meeting by determining which areas would most benefit from different messages. Repetitive loss areas (Target Area #1) were identified as a high priority due to the close proximity of the Gulf of Mexico and the potential impacts of storm surge. During evaluation, groups that had interaction with property owners such as insurance agents, homeowner association and realtors were identified for targeted outreach because they had a larger opportunity to interact with the public and it was important that they provide accurate and well informed information. Messages will be tailored to each group and are summarized in table 4 below.

**Table 4: PPI Target Audiences**

Target Group	Message
Repetitive Loss areas	<ul style="list-style-type: none"> <li>• Flood protection Information, annual City mailing.</li> <li>• Mapping information and flood zone information available from City Engineering Dept.</li> <li>• Prepare for flooding (CodeRED®, utility shut-off recommendations, evacuation planning, household inventory, education to children)</li> <li>• Permanent flood protection measures (mark fuse box for floodable areas, elevating structure, protect entry points, check downspouts)</li> <li>• Financial assistance available for retrofitting (contact Engineering Dept. for information).</li> <li>• Importance of flood insurance – (30 day waiting period, homeowners insurance does not cover flood, buy contents insurance)</li> <li>• Protect natural floodplain function (don't dump, silt fences at construction sites)</li> </ul>

Target Group	Message
Homeowners Associations	<ul style="list-style-type: none"> <li>• Causes of flooding</li> <li>• Buy flood insurance – homeowners insurance does not cover flood losses</li> <li>• Flood protection</li> <li>• Flood Safety</li> <li>• Financial assistance for mitigation</li> <li>• protect natural floodplain function</li> <li>• Flood zone assistance from city Engineering Dept.</li> </ul>
Realtors	<ul style="list-style-type: none"> <li>• City flood hazard flyer “Before you Buy” provided to realtors (flood zone information, flood safety, flood prevention, floodplain regulations, and flood insurance)</li> </ul>
Insurance Agents	<ul style="list-style-type: none"> <li>• FEMA brochure F-638 to provide accurate information regarding flood insurance</li> </ul>

## OUTREACH ACTIVITIES

The PPI schedule is attached as Appendix E. The PPI Outreach worksheet is attached as Appendix F.

Public outreach efforts currently include:

1. The CRS Committee was formed in August 2014 and met 7 times in August and September to provide input related to development of Updated Floodplain Management Plan including Program for Public Information and flood insurance Coverage Improvement Plan sections. The CRS Committee combines the staff expertise from the city building code, floodplain management, planning & zoning and public information with input from the insurance, real estate, construction, business and financial lending fields. Input from the general public was also included and opportunities to attend the meetings were published. Quarterly meetings of the CRS Committee will be conducted and are tentatively scheduled for November, February, May and August to review the effectiveness of the current public outreach and coverage improvement efforts and recommend improvements or additions to the program. The CRS Committee will also conduct an annual evaluation/update of the existing plans with a formal update of the plans completed every 5 years. Documentation of the CRS Committee activities are included in Appendix B.
2. A pamphlet called “Understanding Stormwater and the Environment” which encourages residents to limit fertilizer use, water lawns on appropriate days, and be aware of illicit discharges into the stormwater system to protect natural function. The city published this in concert with a requirement of the National Pollution Discharge Elimination System (NPDES) permit program. This publication is available at the city Engineering Department and is distributed with the utility bills to all residents once a year.

3. The city periodically recruits volunteers to label inlets to reduce dumping into the waterways to protect natural function through education.
4. The city's newsletter contains an article once a year that informs residents of the importance of the stormwater system and how they can do their part to maintain it to reduce flooding due to blocked inlets or drainage canals/swales and protect natural function.
5. Twice a year, a flyer is mailed with utility bills to educate residents on flooding, the federal flood insurance program, and flood safety. A copy of the Flood Protection Information provided to all residents is included in Appendix E.
6. A "Flood Hazard – Check Before You Buy" flyer is provided in digital format to the Venice Area Board of Realtors (VABR) for distribution to their members, mailed yearly to local realtors and copies are hand carried to VABR for distribution to their membership. This brochure is for the realtors to hand out to their clients to promote flood insurance purchase and due diligence as it relates to flooding for building purchasers.
7. A targeted public information flyer is also provided annually to property owners within the repetitive loss areas as illustrated in Figure 2. Repetitive loss areas were identified as a target audience to attempt to reduce impacts due to flooding for the residents and NFIP program. Message includes importance of obtaining flood insurance, protecting your property from flooding and mitigation grant opportunities. A copy of the letter to repetitive loss area residents is including in Appendix E.
8. Targeted outreach is provided periodically to homeowners' associations and other groups such as the Venice Area Board of Realtors or insurance agents. Homeowners' associations were chosen as a target area due to the opportunity to provide public outreach to communities through their homeowners' association. Information provided to the homeowners' association is then distributed to its members. The Venice Area Board of Realtors was chosen as an effective outreach to the real estate agents to improve knowledge about the importance of flood insurance and due diligence evaluation of potential flood risks to buyers and seller of properties. The insurance agents were chosen to improve knowledge regarding the importance of flood insurance and improve understanding of flood risks. Copies of letters sent to the Homeowners Association, Insurance Agents and Realtors are included in Appendix E.
9. News releases are submitted by email to the Public Information Officer for distribution to the news media, social media, Venice City E-News and posting on the city website once the most appropriate method of distribution is determined.
10. The city website is updated as needed with the assistance of the Building and Information Technology Departments. The website includes links to relevant publications, other governmental emergency agencies and information to assist the public with flood related issues. The website links are tested monthly and updated as needed.
11. Elevation Certificates (EC's) have been made available electronically on the city website. These certificates are posted upon submittal of the finished construction certificate and are listed by street address. Historical files were also reviewed and all available pre- and post-FIRM elevation certificates in the Building Department

records were uploaded to the website. New Elevation Certificates are also being attached, electronically, to building permits to provide more effective evaluation of substantial improvement requests.

12. A free hurricane seminar is conducted each May by the City of Venice. The hurricane seminar covers flood prevention, protection and insurance through a presentation by the City Engineer, a Certified Floodplain Manager. It is advertised through press releases, area stakeholders, Venice City E-News and the city website.
13. The Venice City E-News is e-mailed to residents and posted on the city website. It includes a hurricane edition that explains the evacuation process, preventive measures, flood safety, flood insurance, emergency numbers and a list of supplies that should be stocked in an emergency event. This same information is included on the city web site.
14. Once a year the following FEMA publication F-696(312) is mailed to area realtors to hand out to their clients.
15. Once a year the following FEMA publication F-217 is mailed to area insurance agents to hand out to their clients.
16. The following FEMA publications are available for distribution to all residents at the Venice library (main branch), the Engineering department, and City Hall Lobby.

<b>Publication #</b>	<b>Name</b>
F-025 (3/11)	How the NFIP Works
F-061	Your Homeowners Insurance Does Not Cover Floods
F-084 (3/11)	Answers to Questions About the NFIP
F-217 (Rev 11/12)	The Benefits of Flood Insurance Versus Disaster Assistance
F-301	Top Ten Facts for Consumers
F-671 (10-12)	Know Your Risk
F-683	Why You Need Flood Insurance
F-684 (06/12)	Flood Preparation And Safety
F-687	Flood Insurance Claims Handbook
F-696 (3/12)	Help Protect Your Customer's New Home
F-697 (8/13)	Protect Your New Home
F-777/12340-1	Build Back Safer and Stronger

17. FEMA publication F-683 (see above) is available for all residents visiting the Building department.
18. The following Spanish literature FEMA publications are available for distribution to all customers at the Latino Grocery Store at Bird Bay Plaza:

<b>Publication #</b>	<b>Name (Spanish Version)</b>
L-186S	Nada podría arruinar el disfrute de su hogar ¿Si...?
F-684S	Preparación y seguridad en inundaciones
F-061S	Su Seguro de Vivienda de Residencia no Cubre Inundaciones
F-437S	Póliza de Riesgos Preferente
F-617S	Conozca su Riesgo
F-683S	Por qué usted necesita seguro de inundación
F-679S	Resumen de Cobertura

19. Periodic notices regarding the availability of FEMA publications are emailed to area Insurance Agents and Realtors.
20. FEMA Flood Insurance Rate Maps (FIRM) are available in the Engineering Department and at the Main branch of the Venice library. The flood zone boundaries can enable property owners, residents, developers, and insurance agents to determine what flood zone a specific property is located in. They can view these maps in person, or call and ask staff for information. Trained CFMs provide individual flood zone determinations and assist the public with determining the FIRM and the regulatory floodplains. Updated FIRM's are due to be released in spring 2015.
21. An interactive model showing the riverine model results and the related updated regulatory flood zones is available on the South West Florida Water Management District (SWFWMD) website. A link to this is on the City website by searching flood or on the Engineering Department website.
22. Special efforts are made to reach the non-English speaking outlets.
23. Additional outreach provided by Venice Area Board of Realtors (e-mailing out reminders regarding disclosure requirements and insurance information, Publix Supermarket (emergency preparation guide published), Florida Power & Light (web storm and flood information for homeowners and business), hurricane guides provided by local television and newspaper, Florida SERT, Floodsmart and Sarasota County Emergency Management which provide numerous outreach materials. Links to these excellent information sources are provided on the city's website and available printed copies of the materials are made available at City Hall and in the Engineering Department. Several of the publications are also available in the Venice Public Library.

## **RECOMMENDED IMPROVEMENTS**

The following Public Information Activities are currently underway or to be implemented based on the CRS Committee recommendations:

### Public Outreach activities:

1. Continue with the current public outreach activities as summarized in the 330 Outreach Project (OP) Worksheet included as Appendix F.

2. Coordinate with surveyors and insurance agents to provide Elevations Certificates to the city for recording and posting on the city website.
3. Determining whether it would be appropriate to approach realtors and lenders requesting that EC's be recorded with deeds.
4. Do more outreach to the HOA's through their professional organizations and affiliations.
5. Evaluate and discuss the possibility of HOA's becoming CERT trained.
  - Contact HOAs to see if they are interested in becoming CERT trained by annual letter to HOAs.
6. Evaluate and discuss the possibility of stakeholders becoming StormReady supporters
7. Coordinating with local media and professional organization to provide press releases or columns for their newsletters for specific stories and events
8. Researching having a counter on the flood section of the website to determine usage.
9. Doing more public events:
  - a. Seek sponsors and geographically diverse venues throughout the city for maximum coverage.
10. Create the following maps, for both information and public outreach purposes, showing:
  - a. Repetitive loss areas (Privacy Act protected – internal use only). – to assist in identifying target areas for outreach.
  - b. Map highlighting properties coming into the floodplain when the new FEMA maps are released for outreach purposes Properties coming into the floodplain.
  - c. An overview of areas within the floodplain with uninsured properties.
11. Determine better, more locally pertinent messages to raise the community awareness of flood hazards, insurance and mitigation.
12. Encourage increased flood insurance coverage as outlined in the Coverage Improvement Plan adopted by City Council and updated annually.
13. Provide outreach to reach the hearing/sight impaired; non-English speaking and residents that are not in touch with traditional communication outlets such as computer based outreach.
14. Publicize the annual test of CodeRed® test. Prior to test, issue press release and publish on city website alerting residents to sign up prior to test. Provide telephone registration to reach residents without computer based access.

The above activities will be monitored by the CRS Committee and performed primarily by the Engineering department, in conjunction with whichever City department, outside organization and/or community stakeholder(s) that best fit the project. Funding for all city complete projects will be from the Engineering/Stormwater budget. All projects will be performed during the 2016-2017 CRS period and evaluated and revised prior to the updated Floodplain Management Plan being submitted on October 1st each year. In addition, the PPI will be updated annually with adoption by the City Council. The Outreach project worksheet is shown in Appendix F. The worksheet lists all of the planned annual projects, along with the department responsible for implementing the project, the messages to be relayed and the desired outcome, based on the goals of this Public Information Program.

## **EVALUATION METHODS**

The CRS Committee will meet on a quarterly basis to discuss progress towards the goals of the Public Information Plan and will complete an annual update of the plan based on those evaluations including the following:

1. Committee will conduct an annual review of the outreach methods, evaluate the effectiveness of the material and number of residents reached. This will be accomplished by reviewing the documents, mailing lists and any public feedback received by individual members or at the public meetings.
2. Committee will review the outreach messages to see if any improvement are required to increase clarity of the message.
3. Committee will discuss additional or improved outreach messages that should be considered based on feedback received by the committee members from the public and their personal review of the documents.
4. Committee review of the outreach documents to determine if any should be discontinued and replaced with a more effect method.
5. Target public outreach will be evaluated to discuss any proposed improvements to the documents.
6. Committee will evaluate the Target Area Map and target group list to determine if additional areas should be added or revised.
7. Committee will discuss opportunities to improve the performance of the outreach based on committee members and the public input.
8. Was there a flood event this past year? Was the public effectively informed on how to protect themselves before, during and after a flood? Committee will evaluate if there has been any new flood events through-out the year that require specific outreach.

## **FLOOD INSURANCE COVERAGE IMPROVEMENT PLAN**

### **FLOOD INSURANCE IN THE CITY**

There are 11467 insurable structures within the City of Venice. Data provided by Federal Emergency Management Agency (FEMA) indicates that the City of Venice has 5,013 insurance policies in force as of September 14, 2014. Of this number, 3,689 are eligible for CRS premium discounts, they are the 3,118 policies located in the 'Special Flood Hazard Area (SFHA) and the 571 policies in the X-STD/AR/A99 zones. The remaining 1,324 policies are considered preferred risk and are not eligible for CRS premium discounts.

The FEMA data lists an average premium of \$605 in the SFHA, \$435 in the X-STD/AR/A99 zones, and \$415 for those policies written as preferred risk. The average flood insurance premium in the City of Venice is \$536.

As a CRS class 6 community, insurance policy holders in the city of Venice are eligible for a discount of up to 20% on flood insurance premiums for policies purchased through the National Flood Insurance Program (NFIP). The number of policies for the surrounding communities, as of 9-14-14, is provided below:

Location	Number of Policies (2014)
Town of Longboat Key	10,836
City of North Port	2,138
City of Sarasota	8,407
City of Venice	5,013
Unincorporated Sarasota County	44,364

Table 5 below shows the number of insurable buildings by zone, as indicated on figures 1, 2 and 3, Appendix C. These figures are used for comparison with the FEMA supplied numbers of insurance policies by zone to determine which areas to target with flood insurance information.

**Table 5: Insurance Buildings in the City of Venice**

Insurable Buildings within the city of Venice			
Flood Zone	# of Insurable Buildings		
	Regulatory Map	Effective FIRM	DFIRM (Effective 11/4/2016)
A	1	216	3
A12 EI.11	1302	1896	2182
A12 EI.12	248		
AE	1335		
AE EI.11	137		
AE EI.12	18		
AH	45		
B	4273	Included in X-shaded	
C	4113		
V16 EI.13	1	17	21
V16 EI.15	16		
V16 EI.17	0		
X-Shaded	229	4761	302
X	1241	5064	9504

As of 08-10-2015, the most recent figures from FEMA - dated 5-31-2015, indicate 4834 policies within the City, with a total of \$966,011,400.00 of insurance in force, and 5 substantial loss claims since 1978.

The number of insurance policies on post-FIRM buildings is 1476, almost 50% fewer than the 3358 policies on pre-FIRM buildings. This may be a result of FEMA requirements raising the required finished floor elevation (FFE) as pre-FIRM buildings were built at grade and are at greater risk of flooding. However, there remain a few non-conforming

buildings within the City and the City plans on tracking these in the future. Another contributing factor is the fact that, according to local realtors and lenders, 70% of home purchases in the City currently are cash purchases, lacking the mortgage requirement of flood insurance. As mitigation grants are only available for insured properties, the City realizes that this is another consideration when determining targeted outreach.

The policies, by occupancy, are shown in the following table:

**Table 6: Insurance Policies by Occupancy**

<b>Insurance by Occupancy</b>					
<b>Occupancy</b>	<b>Policies in force</b>	<b>\$ Premium</b>	<b>\$ Insurance in Force</b>	<b>Number of Closed Paid Losses</b>	<b>\$ of Closed Paid Losses</b>
Single Family	1439	858,990.00	392,021,200.00	72	498,098.26
2-4 Family	311	227,728.00	44,653,600.00	24	60,470.17
All other Residential	2925	1,245,567.00	460,215,400.00	79	398,392.29
Non Residential	159	34,041.00	69,121,200.00	24	136,635.13
<b>Total</b>	<b>4834</b>	<b>\$2,673,326.00</b>	<b>\$966,011,400.00</b>	<b>199</b>	<b>\$1,093,595.00</b>
Condo	3299	1,492,839.00	511,440,330.00	69	406,256.49
Non Condo	1535	1,180,487.00	454,571,100.00	130	687,339.36
<b>Total</b>	<b>4834</b>	<b>\$2,673,326.00</b>	<b>\$966,011,400.00</b>	<b>199</b>	<b>\$1,093,595.00</b>

Based on information from FEMA, a table of flood insurance policies by zone follows, and a map showing Insurable Buildings in the City, is included as figure 4 in Appendix D. The City is in the process of plotting the flood insurance policies, in GIS, in order to better evaluate which areas should be targeted for future outreach programs as well as determining the areas of the City most at risk for uninsured losses.

**Table 7: Insurance Policies by Flood Zone**

<b>Insurance by Zone</b>					
<b>Zone</b>	<b>Policies in force</b>	<b>\$ Premium</b>	<b>\$ Insurance in Force</b>	<b>Number of Closed Paid Losses</b>	<b>\$ of Closed Paid Losses</b>
A01-30 & AE Zones	2961	1,895,152.00	511,976,400.00	98	539,511.72
A Zones	2	2,245.00	464,300.00	1	2,181.59
AO Zones	0	0	0	0	0
AH Zones	0	0	0	0	0
AR Zones	0	0	0	0	0
A99 Zones	0	0	0	0	0
V01-30 & VE Zones	21	22,588.00	2,226,600.00	55	318,056.72
V Zones	0	0	0	0	0

<b>Insurance by Zone (Continued)</b>					
<b>Zone</b>	<b>Policies in force</b>	<b>\$ Premium</b>	<b>\$ Insurance in Force</b>	<b>Number of Closed Paid Losses</b>	<b>\$ of Closed Paid Losses</b>
D Zones	0	0	0	0	0
B, C & X Zone Standard	594	228,475.00	103,582,100.00	39	192,727.92
B, C & X Zone Preferred	1256	524,866.00	347,762,000.00	6	41,117.90
<b>Total</b>	<b>4834</b>	<b>\$2,673,326.00</b>	<b>\$966,011,400.00</b>	<b>199</b>	<b>\$1,093,592.00</b>

### **PLAN DEVELOPMENT:**

The CRS Committee was formed in August 2014 to provide input related to development of Updated Floodplain Management Plan including Program for Public Information and flood insurance Coverage Improvement Plan sections. The CRS Committee combines the staff expertise from the city building code, floodplain management, planning & zoning and public information with input from the insurance, real estate, construction, business and financial lending fields. Input from the general public was also included and opportunities to attend the meetings were published. Quarterly meetings of the CRS Committee will be conducted and are tentatively scheduled for November, February, May and August to review the effectiveness of the current public outreach and coverage improvement efforts and recommend improvements or additions to the program. The CRS Committee will also conduct an annual evaluation/update of the existing plans with a formal update of the plans completed every 5 years.

As outlined in Appendices A and B, the CRS Committee met 7 times in August and September to develop the Coverage Improvement Plan in conjunction with the Floodplain Management Plan. Steps taking during the development process are outlined in the meeting agendas, minutes and resolution adopting the CRS Committee in Appendix B. During the development process, review comments were received from Janice Mitchell, Insurance Program Specialist, FEMA Region IV, and through the Community Rating System review process. Based on those comments, this plan has been updated to include additional documentation and clarification of the processes followed in completing the Floodplain Management Plan. In addition, the Program for Public Information and Coverage Improvement Plan were incorporated into the Floodplain Management Plan for clarify and more efficient monitoring of program goals and accomplishments.

### **TARGET AREAS:**

An evaluation was completed of the existing flood insurance policies within the city limits. These policies were reviewed for accuracy with any discrepancies regarding addresses forwarded to the NFIP for correction. The existing flood insurance policies were evaluated numerically to estimate the number of buildings that currently have flood insurance policies within the City. The mapping of the individual policy locations is in process by

the Engineering Dept. Since this document is protected by the Privacy Act, the general information regarding the policy locations was included in this report and to the CRS Committee. A second evaluation of number of building greater than 500 SF within the city limits were estimated by GIS to determine the total number of insurable buildings within the city limits. Based on these estimates, approximately 59% of building within the city limits are insurable, but for a variety of reasons, such as the high percentage of cash purchases, remain uninsured. This is especially concerning in high risk areas such as the coastal properties, low lying areas adjacent to Hatchett and Curry Creek and the identified repetitive loss areas.

Initial discussion by the CRS Committee set up a priority list for flood insurance coverage improvement target areas. Level of risk CRS Committee discussions combined with the existing policies written evaluation summary from city staff were used to set up an overall priority ranking for the existing insurable structures within the city. As illustrated in Figure 3, Insurance Information Target Map, the following priority ranking was established for the overall coverage improvement communication plan:

1. Repetitive Loss Areas (Shown tan with blue boundary) – Targeted mailings will be sent out annually to these areas to clarify the importance of flood insurance for the structure and contents.
2. Areas coming into the floodplain based on proposed draft map information (3 areas shown with red boundaries) – These areas received notification from FEMA prior to the draft D-FIRMS being issued. A targeted mailing was sent, by the City, to owners of properties coming into the floodplain when the DFIRMs were finalized. These residents currently receive information from our flyer mailed twice a year all residents that includes information regarding the importance of flood insurance for structure and contents.
3. Areas within the Special Flood Hazard Area (SFHA) or 100 year floodplain – After completion of the first year evaluation based on the insurance policy numbers and locations of policies is evaluated, additional targeted mailings will be provided in areas that are not showing improvement.
4. Areas outside the SFHA. – These residents currently receive information from our flyer mailed twice a year to all residents. The flyer includes information regarding the importance of flood insurance for structure and contents.

The SFHA consists of Zones A, AE, A1-A30, V, V1-V30, AO and AH.

The CIP project list is included in Appendix F.

### **DFIRM IMPACT ANALYSIS**

The City received finalized DFIRMs in May 2016, with an effective date of 11/4/2016. Following is the Impact analysis:

**Table 8: DFIRM Impact Analysis**

<b>Item</b>	<b>Newly Mapped into the SFHA</b>	<b>Removed from the SFHA</b>	<b>Remaining in SFHA</b>
# Structures	556	1146	1723
# Parcels	791	2073	1976
# Accounts (such as individual units within a condo)	1806	2769	6676

## **PLAN GOALS**

The goal of this flood Insurance Coverage Improvement plan shall be to:

1. Improve knowledge regarding the importance of flood insurance:
  - a. Insurance training – The City Engineer and the Stormwater Engineering Research Analyst have both completed Parts I and II of FEMA Insurance Agent Training to increase knowledge regarding NFIP and effectiveness of technical assistance provided to residents, real estate agents, insurance agents and others who request technical assistance from the city.
  - b. Twice year informational flyer sent to all residents and targeted mailings to homeowners' association, realtors and insurance agents as outlined above.
  - c. Annual presentation was completed at the Venice Area Board of Realtors highlighting the importance of flood insurance, trying to clarify the myth "you don't need insurance," providing information that homeowners insurance does not cover flood and 30 day waiting period.
  - d. Informational brochures are provided at City Hall, the city Engineering Dept., the Venice Public Library and via the City's website.
2. Increase flood insurance coverage throughout the city for homeowners, renters and commercial properties:
  - a. Continue insurance related outreach activities included in PIP above.
  - b. Stress the importance of needing flood insurance to reduce the "you don't need flood insurance because you are not in a flood zone" by providing flyer regarding required flood insurance and the impacts to the property owners in the event their property is flooded and they do not have flood insurance.
3. Look for opportunities to reduce flood losses to improve the sustainability of the flood insurance program.

## **EVALUATION METHODS**

The CRS Committee will meet quarterly to evaluate the Coverage Improvement Plan portions of the Floodplain Management Plan. These reviews will be conducted to evaluate the effectiveness of the existing activities and to identify potential improvements for the program. Evaluation of the program will include a review of the outreach materials completed that quarter and proposed outreach projects for input from the CRS Committee and the public on the clarity and effectiveness of the materials. Annually, new insurance data provided by NFIP will be evaluated based on the previous year's policy information. The policy locations will be mapped into an exhibit to be used internally and protected by

the Privacy Act. This information will then be compared to the previous year's information to determine the effectiveness of the Coverage Improvement Plan activities and to reassess the target areas. Target areas may be redefined as coverage improves in the higher risk areas or additional outreach in target areas that did not show significant increases in the number of policies by the CRS Committee.

## CONCLUSION

### Annual report

The CRS Committee shall continue to meet quarterly to monitor and evaluate the Floodplain Management Plan. During these quarterly evaluations, the CRS Committee will review outreach activities completed during the year and planned outreach activities. Recommendations to improve future outreach activities can be incorporated into the outreach materials. Evaluation of the Program for Public Information Plan and flood insurance Coverage Improvement Plan sections of the Floodplain Management Plan will be evaluated for effectiveness and modified to improve the effectiveness of the program. Upon completion the review and assessment activities, the CRS Committee will prepare and annual report on the progress of the plan, addressing the new needs and goals of the community and any plan updates based on new studies, reports and technical information that has become available. This report shall be submitted to City Council released to the media and generally made available to the public.

The annual report shall include: progress made towards desired outcomes of the plan; mitigation projects that were implemented; reasons why mitigation projects or PPI activities were not implemented; an evaluation of the effectiveness of PPI activities carried out during the year; which PPI activities should be revised, changed, dropped or initiated; proposed PPI activities corresponding to CRS required messages, or additional messages, stipulated in the PPI; the proposed target audiences, messages and desired outcomes of proposed PPI activities.

The Committee shall assess the flood hazards and risks and update the plan taking into consideration: new floodplain or hazard mapping; annexation of flood-prone areas; additional RL areas; completed mitigation projects; increased development in the floodplain or watershed; new flood control projects; lack of maintenance of flood control projects; major floods or other disasters that have occurred since the plan was adopted; any other changes in flooding conditions or developments exposed to flooding, or other hazards covered in this plan.

Based on the Annual Report, this plan shall be evaluated and updated as needed every year, by October 1<sup>st</sup>. A formal Floodplain Management Plan Update including the Program for Public Information and Coverage Improvement Plan elements shall be completed every 5 years prior to October 1<sup>st</sup> of the 5<sup>th</sup> year. The next 5 year update is due prior to October 1, 2019. Prior to adoption of the updated plan, the plan shall be forwarded to the flood insurance liaison in the FEMA Regional Office. A public meeting shall be held for review and comment on any draft updates to the plan before the plan is submitted to City Council for adoption. Publishing of the Floodplain Management Plan in the City Council Agenda Packet prior to the City Council Meeting in addition to public meetings held by the CRS Committee shall meet this requirement.

## **Appendix A**

### **CRS Committee Planning Document**



**Venice, Florida**  
"City on the Gulf"

Floodplain Management Plan  
Program for Public Information Plan  
Coverage Improvement Plan

2014

## Step 1: Organize a Planning Committee

Activity	Department	Representative
Publicity	Public Information Office	Pam Johnson
Comprehensive, or Land Use, Plan	Planning & Zoning	Scott Pickett
Building Code	Building	Greg Schneider
Zoning Ordinance	Planning & Zoning	Scott Pickett
Floodplain Management Regulations	Building, Engineering	Kathleen Weeden
Subdivision Ordinance	Planning & Zoning	Scott Pickett
Stormwater Management Regulations	Engineering	Kathleen Weeden
Insurance Agency	Shaefer Insurance	Renee Halback
Local Bank or Lender	Capital Bank	Mark Hampshire
Stakeholders (min 5?)	Berkshire Hathaway The Damex Corporation Hawk's Nest Construction Inc Publix	John Meyers Robert Yoho Mark Hawkins Tim Adkins/Brian West
Public	Invited – Public meeting	

Have formal resolution from City Council

- Recognizing the planning process
- Designating who is responsible for the plan
- Specifying a completion deadline

The planning committee ***must*** meet at least 6 times to cover the following:

1. Assess the hazard
2. Assess the problem
  - a. Assess flood insurance coverage – Review current policies
- Hold a public meeting in affected, i.e. floodprone, area to discuss the natural hazards, problems and possible solutions. Not a reg. meeting.
- Mail questionnaire to floodplain residents requesting info on their natural hazards, flood problems and possible solutions.
- Do brochure based on questionnaire, explaining planning effort/seeking comments.
3. Set goals
4. Review possible activities
  - a. Determine who needs to be informed (target areas / audiences)
5. Draft an action plan
  - a. Provide an opportunity for the public to comment on the plan
  - b. Have the plan adopted by City Council
6. Evaluate progress & recommend changes

**The committees for FMP, PPI and CIP *should* be the same**

## **Step 2: Involve the Public**

- Provide an opportunity for the public to comment on the plan
- Post the meeting schedule on the City website

## **Step 3: Coordinate with other agencies and their plans and efforts**

- What other studies have already been done?
- What other reports have been issued?
- What technical information has already been published?
- What other plans are being prepared, reviewed or in use?
- What other public outreach / information programs are being done?
- Which other non- city/non-government agencies, are involved?
- Current activities being implemented within the community to promote flood insurance, including activities by:
  - FEMA
  - FloodSmart
  - Risk MAP
  - State agencies
  - Local agencies
  - Insurance companies

## **Step 4: Assess the hazard**

- The committee should review, analyze and summarize data collected about the natural hazard from:
  - Existing flood studies
  - The Flood Insurance Study
  - Drainage problem studies
  - Historical records
  - Knowledge / experience of the community / committee
- Focus on the:
  - Source
  - Frequency
  - Extent
  - Cause of flooding
- Describe, in lay terms, the local flood hazard
  - How often it floods
  - Locations of areas that flood
  - Depth of flooding
  - Source / cause of flooding
  - Velocities
  - Warning time
- Assess the:
  - SFHA
  - All repetitive loss areas
  - Areas not mapped on the FIRM that have flooded in the past
  - Surface flooding identified in other studies
- Create a map of the flood hazard areas

- Identify the Coastal A zone (where wave heights are between 1.5-3ft during the 100 year flood).
- Create a map showing target areas subject to different flooding conditions.
  - Have key with description of each area
  - Include building count on key
- Create a map plotting the number of flood insured buildings:
  - Structural coverage
  - Contents coverage
- Prepare an inventory of dams that would flood developed areas if they failed.
- Identify areas likely to be flooded as a result of:
  - Changes in floodplain development / demographics
  - Development in the watershed
  - Climate change / sea level rise
- Address ALL other natural hazards that may affect the community, as identified by the State's hazard mitigation plan.

### **Step 5: Assess the problem**

- Summarize the community's vulnerability to each hazard listed in step 4
- Describe the impact the hazard will have on:
  - Life safety
  - Need for warning
  - Evacuating residents and visitors
  - Public health hazards to individuals from flood waters
  - Critical facilities
  - Infrastructure
  - Community's economy
  - Major employers
- Create an inventory of the number and type of buildings owned by the community that are located in flood-prone areas
- Identify which buildings are insured for flood damage.
- Review historical damage to buildings (can be obtained from post-disaster damage assessment reports, flood insurance claims, disaster assistance data, flood control studies.
  - ALL properties that have received flood insurance claims payments
  - An estimate of the potential damage and dollar losses to vulnerable structures
  - Include damage done by mold and other flood related hazards, not just the flooding.
- Use Hazus-MH?
- Describe areas within the floodplain that provide natural functions:
  - Wetlands
  - Riparian areas
  - Sensitive areas
  - Habitat for rare / endangered species
- Describe impact on the community, watershed and natural resource areas, depending on trends in:
  - Development
  - Redevelopment
  - Population growth / loss
- Describe the impact of future flooding conditions (from step 4) on:
  - People

- Property
- Natural floodplain functions

#### **Step 6: Set goals**

- Create a statement of goals
  - Review floodplain management activities
  - Draft the action plan
    - Address ALL the major hazards that face the community
- A copy of the CIP elements of the draft plan must be sent to the FEMA Regional Office's flood insurance Liaison. Not for approval, for information purposes only.
- Determine what observable, objective and measurable outcomes are desired from each public information message.

#### **Step 7: Review possible activities**

Systematically review, in lay terms:

- All of the different activities that could reduce or prevent the severity of the problems listed in step 5
- Review preventive activities such as:
  - Zoning
  - Stormwater management regulations
  - Building codes
  - Subdivision ordinances
  - Preservation of open space
  - Effectiveness of current regulatory standards and programs
  - Effectiveness of current preventive standards and programs
  - Property protection activities:
    - Acquisition
      - How will the project be managed
      - How will the land be used after it is acquired?
    - Retrofitting
    - Flood insurance
  - Activities to:
    - Protect the natural and beneficial functions of the floodplain
    - Protect wetlands
- Review Emergency services:
  - Warning
  - sandbagging
- Review:
  - How the above can reduce future flood losses
  - Current standards in the community's plans and regulations
  - Whether the community should adopt or revise its plans and regulations
- Review structural projects such as channel modifications
- Determine the pros and cons of each activity for each area affected
- Determine community's capability to fund and implement each activity
- Determine whether current activities are achieving expectations or whether they should be modified
- Review whether the community's floodplain management regulatory standards are sufficient for current and future conditions.
- Review:
  - public information activities

- outreach projects
- Educational programs

## **Step 8: Draft an Action Plan**

- Select and specify those activities appropriate to the community's:
  - Resources
  - Hazards
  - Vulnerable properties
- Outside funding sources **MUST** be identified and researched
- Identify:
  - Who is responsible for implementing the action
  - When it will be done
  - How it will be funded
- Prioritize the actions
- There must be an action item for each goal in step 6
- The plan must include a “process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans when appropriate.”
- Based on expected damage from a base flood or other disaster, establish, or revise:
  - Post-disaster redevelopment policies and procedures
  - Mitigation policies and procedures
- Include activities to mitigate the effects of other natural hazards identified in #4
- Formulate public information messages for target audiences
  - Know your flood hazard / hazard disclosure
  - Insure your property for your flood hazard
  - Protect people from the hazard
  - Protect your property from the hazard
  - Build responsibly
  - Protect natural floodplain functions
  - Map Information Service / CRS 320
  - Flood protection information
  - Flood protection assistance / CRS 360
  - Flood insurance promotion / CRS 370
  - Drainage system maintenance / CRS 540
  - Flood warning and response / CRS 610 & dams CRS 630)
  - Improve flood insurance coverage
- Identify outreach projects to convey the messages
  - Describe project, who will do project and when it will be done
  - One project **MUST** be from elected leadership encouraging people to purchase or increase their flood insurance coverage
- Include procedures for an annual report covering:
  - Monitoring implementation of the plan
  - Reviewing progress of the plan
  - Recommending revisions to the plan

## **Step 9: Adopt the Plan**

- The plan must be officially adopted:
  - A resolution or other formal document must be voted on by the community's governing body
- The Plan must have a separate section or chapter for PPI activities with:
  - Summary of assessment of local flood hazard
  - Summary of the community's natural floodplain functions
  - Description of all public information activities currently being implemented in the community
  - Flood insurance coverage assessment
  - List of the target audiences
    - The message for each audience
    - Desired outcome for each message
  - Description of each project and activity to be carried out
    - Who will do it
    - When it will be done
  - Description of any Flood response preparations (FRP) projects
  - How the effectiveness of the PPI messages will be monitored and evaluated
- Subsequent amendments must be officially adopted by the community's governing body

## **Step 10: Implement, Evaluate and Revise**

- Describe how, when and by whom the plan will be monitored, evaluated and revised.
- Prepare an annual evaluation report on the progress of the plan (from step 8).
  - Must include a review of the community's new:
    - Needs
    - Goals
    - Plans for the area based on:
      - New studies
      - Reports
      - Technical information
  - Hold a public meeting for review and comment on the draft update
  - Submit the report to the governing body
  - Release the report to the media
  - Make the report available to the public
- The annual report must include:
  - The target audiences, the messages and the desired outcomes of the PPI
  - The projects in the PPI to convey the messages
  - Which projects were implemented
  - Why some projects were not implemented
  - What progress was made towards desired outcomes
  - What should be revised, changed, dropped or initiated.
- The committee should review and approve the annual evaluation report
- Steps 4 & 5 / the hazard and problem assessments must be reviewed and brought up to date, accounting for:
  - New floodplain or hazard mapping
  - Annexation of flood-prone areas
  - Additional repetitive loss areas
  - Completed mitigation projects
  - Increased development in the floodplain or watershed
  - New flood control projects

- Lack of maintenance of flood control projects
- Major floods or other disasters that occurred since the plan was adopted
- Any other change in flooding conditions/development exposed to flooding or other hazards covered in the plan
- The planning committee should continue to meet quarterly and
  - Evaluate the plan
  - Revise the plan as needed
- Update the plan by October 1<sup>st</sup> at least every 5 years.
- Submit a copy of the plan update every 5 years

**Submit:**

- A copy of the plan, or update plan, to be credited
- The annual evaluation report
- Document which department representatives implement, or have expertise in, which categories of mitigation measures
- A copy of the resolution creating / recognizing the planning process and identifying the committee's membership
- Meeting sign in sheets indicating participation by different departments
- Copies of the publicity for the public meetings ie newspaper article / advertisement
- Document all sources for studies, reports etc reviewed.
- A record of contact, meetings, coordination with external agencies and organizations
- Copy of the resolution or formal adoption action by the governing body

## **Appendix B**

### **CRS Committee Documentation**

**RESOLUTION NO. 2014-27**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF VENICE, FLORIDA, ESTABLISHING A COMMITTEE TO CREATE AN ACTION PLAN COMBINING A FLOODPLAIN MANAGEMENT PLAN, PROGRAM FOR PUBLIC IMPROVEMENT PLAN, AND FLOOD INSURANCE COVERAGE IMPROVEMENT PLAN, AS PERTAINS TO CRITERIA FOR THE NATIONAL FLOOD INSURANCE PROGRAM (NFIP) COMMUNITY RATINGS SYSTEM (CRS), AND PROVIDING AN EFFECTIVE DATE.**

**WHEREAS**, the City of Venice desires to establish a committee responsible for creating a plan to assess its natural flood hazards, the associated problems with flooding, possible solutions, flood insurance coverage of its residents and create public outreach programs to inform and engage residents on flood hazards, preparation, insurance and mitigation.

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF VENICE, FLORIDA, as follows:**

**Section 1.** Established. There is hereby established a joint CRS Floodplain Management Plan (FMP), Program for Public Information Plan (PPI) and Coverage Information Plan (CIP) Committee, hereafter referred to as the "Committee." The city engineer shall appoint the members and determine the terms of office.

**Section 2.** Duties and Responsibilities. The Committee shall provide opportunities for the public to comment on the plan; coordinate with other agencies; assess local flood hazards; assess local flooding problems; set goals and draft an action plan; review possible activities that could reduce or prevent the severity of local flood hazards; present the action plan to the Venice City Council for adoption; implement, evaluate and suggest revisions to the plan on an ongoing basis; write an annual evaluation report on the progress of the plan; and update the plan and submit the updated plan to city council for adoption by October 1 every five years. An initial action plan is to be completed and adopted by City Council by September 16, 2014.

**Section 3.** Composition. The Committee shall be comprised of nine members, with one representative from a local insurance agency, one representative from a local bank or lender, a minimum of two additional local stakeholders, the city's marketing and communications officer and one representative from each of the following city departments: planning and zoning, building, and engineering.

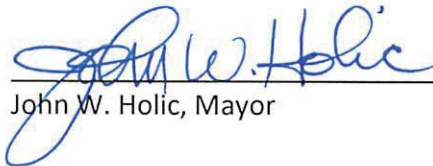
**Section 4.** Compensation. Members shall receive no compensation for their service on the Committee.

**Section 5. Meetings.** The Committee shall initially have six meetings to: (1) assess the natural flood hazards in the city; (2) assess the associated flood problems and flood insurance coverage; (3) set quantifiable goals to improve information outreach and insurance coverage; (4) review possible activities; (5) draft a plan of action to be adopted by city council; and (6) evaluate progress and recommend changes. After these initial meetings, the Committee shall meet quarterly to evaluate the plan and revise as needed. Meetings of the Committee shall be called and scheduled by the city engineer. The Committee shall comply with all applicable requirements of Florida's Sunshine Law, Public Records laws, the Code of Ethics and all city policies for public representatives. If, at any meeting, the number of representatives from city departments is greater than half of the total in attendance, that meeting shall be cancelled and rescheduled.

**Section 6. Removal.** Members serve at the pleasure of the city engineer and may be removed from the Committee by the city engineer at any time with or without cause.

**Section 7. Effective Date.** This resolution shall take effect immediately.

**APPROVED AND ADOPTED AT A REGULAR MEETING OF THE VENICE CITY COUNCIL HELD ON THE 12<sup>TH</sup> DAY OF AUGUST 2014.**

  
John W. Holic, Mayor

**ATTEST**

  
Lori Stelzer, MMC, City Clerk

### **NOTICE OF MEETING**

The City of Venice CRS Floodplain Management Plan (FMP), Program for Public Information Plan (PPI) and Coverage Information Plan (CIP) Committee shall hold the following meetings in the Development Services Conference Room, City Hall, 401 W. Venice Avenue, Venice, FL 34285.

<b>Date</b>	<b>Time</b>	<b>Purpose</b>
8/14/2014	8.30 am – 9.30 am	Assess the flood hazards in the City of Venice.
8/19/2014	11.00 am – 12.00 noon	Assess the problems caused by the flood hazards in the City of Venice.
8/20/2014	12.30 pm – 1.30 pm	Public meeting to discuss the natural hazards, problems and possible solutions
8/21/2014	9.30 am – 10.30 am	Set community goals for floodplain management, insurance Coverage improvement and public outreach.
8/21/2014	1.30 pm – 2.30 pm	Review possible activities that could reduce or prevent the severity of problems caused by hazards in the community
8/26/2014	8.00 am – 9.00 am	Draft an action plan specifying those activities appropriate to the resources, hazards and vulnerable properties of the City of Venice
9/08/2014	3.00 pm – 4.00 pm	Review the Action Plan

The public is invited to attend these meetings and be heard.

No stenographic record by a certified court reporter is made of this meeting nor will a verbatim record be prepared. Minutes will be written for the public record. Accordingly, any person who may seek to appeal any decision involving the matters noticed herein will be responsible for making a verbatim record of the testimony and evidence at this meeting upon which any appeal is based.

If you are disabled and need assistance, please contact the City Clerk's office at least 24 hours prior to the meeting.

**August 14<sup>th</sup>, 2014**  
**Meeting # 1**

### **AGENDA**

- The committee should review, analyze and summarize data collected about the natural hazard from:
  - Existing flood studies
  - The Flood Insurance Study
  - Drainage problem studies
  - Historical records
  - Knowledge / experience of the community / committee
- Focus on the:
  - Source
  - Frequency
  - Extent
  - Cause of flooding
- Describe, in lay terms, the local flood hazard
  - How often it floods
  - Locations of areas that flood
  - Depth of flooding
  - Source / cause of flooding
  - Velocities
  - Warning time
- Assess the:
  - SFHA
  - All repetitive loss areas
  - Areas not mapped on the FIRM that have flooded in the past
  - Surface flooding identified in other studies
- Create a map of the flood hazard areas
  - Identify the Coastal A zone (where wave heights are between 1.5-3ft during the 100 year flood).
- Create a map showing target areas subject to different flooding conditions.
  - Have key with description of each area
  - Include building count on key
- Create a map plotting the number of flood insured buildings:
  - Structural coverage
  - Contents coverage
- Prepare an inventory of dams that would flood developed areas if they failed.
- Identify areas likely to be flooded as a result of:
  - Changes in floodplain development / demographics
  - Development in the watershed
  - Climate change / sea level rise
- Address ALL other natural hazards that may affect the community, as identified by the State's hazard mitigation plan.

Sign in

Member

8-14-2014

Gillian Carney

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John MEYERS

Berkshire Hathaway Florida  
Realty

941-207-5088

Robert ysho - By phone

August 14<sup>th</sup>, 2014  
Meeting # 1

## Minutes

**The meeting began at: 8.30am**

**Present:** Kathleen Weeden, Lori Stelzer (for Pam Johnson), Mark Hampshire, Greg Schneider, Scott Pickett, Renee Halback, John Meyers, Gillian Carney and Robert Yoho (by phone).

**Handouts:** Flood Insurance Study, 9-3-1992, Sarasota County; Map of Repetitive Loss Areas; Committee Plan booklet; Sunshine Law regulations.

1. Kathleen welcomed the committee members, thanked them for their service and gave an overview of the intent of the committee; to create both a Floodplain Management Plan and an insurance Coverage Improvement Plan in conjunction with a Program for Public Information Plan in order to better inform and educate our community about flood hazards, preparation, insurance and mitigation.
2. Committee members introduced themselves.
3. Kathleen talked about the CRS and explained that as a Class 6 community we receive a 20% discount in insurance through the NFIP.
4. Lori Stelzer gave an overview of the Sunshine Law and how it applies to the committee members, and handed out the packets relating to the Sunshine Law. Email addresses and additional paperwork will be mailed to the non-city members. All communication is to be through the City email accounts.
5. The committee was given the existing Flood Insurance Study and we discussed the flood hazards, their causes, and a brief history of flooding in our community:
  - a. Rainfall, storm surge are the primary reasons for flooding.
  - b. Our three drainage basins are: Hatchett Creek, Curry Creek and the Island of Venice.
  - c. We experience flooding during rainy season. Flooding during other seasons is on a case by case basis.
6. We talked about LOMAs, LOMRs and CLOMRs and Kathleen explained what they are, how they are issued and their impact on FIRMs.
7. New FIRMs will be coming out soon, although the exact date is unknown. Until then the new SWFWMD model is a more accurate resource than the City appraiser's site to determine flood zones. Realtors and Insurance agents should feel free to contact the Engineering dept. to determine flood zones - and we need to get word out that that resource is available and free of charge.
8. The new FIRMs will bring more properties into the floodplain and we need to be prepared for that, and the questions that homeowners will have re house sales and insurance.
9. We discussed freeboard, why it was removed from the City ordinance and the implications to neighborhoods.
10. The City website has a list of historical flooding in the city
11. Members gave their own stories of flood experience within the community.
12. We need to do more outreach so that the residents are aware of, and sign up for, CodeRED – the warning system used by the City. Not only for hurricane warnings, but for boil water notices or unexpected items.

13. We discussed the SFHA and Kathleen explained the difference between a repetitive loss property versus a severe repetitive loss property. Kathleen explained that addresses of particular properties cannot be released and are protected by law.
14. We agreed that as a community we need to have more dialogue about insurance versus mitigation. Insurance not required does not equal not needed.
  - a. People need to be educated on what flood insurance covers, the costs of insurance versus mitigation, and on the availability of renters insurance.
15. We discussed being on the outer edge of the Myakka Reservoir #2 inundation zone.
16. As an outcome of the meeting, Gillian will
  - Create a map of the flood hazard areas
    - Identify the Coastal A zone (where wave heights are between 1.5-3ft during the 100 year flood).
  - Create a map showing target areas subject to different flooding conditions.
    - Have key with description of each area
    - Include building count on key
  - Create a map plotting the number of flood insured buildings

The next meeting is scheduled for: Tuesday, Aug 19<sup>th</sup> at 11am, where we will assess the problems caused by floods, lack of insurance and begin formulating a plan for outreach on those subjects.

**The meeting ended at: 9.40am**

8/19/2014; Renee Halback motioned to approve minutes. Motion seconded by John Meyers. Approved unanimously by: Mark Hampshire, Greg Schneider, Kathleen Weeden, Scott Pickett and, by phone, Robert Yoho.

August 19<sup>th</sup>, 2014  
Meeting # 2

## AGENDA

- Minutes from Meeting #1, 8/14/2014  
Approved \_\_\_\_\_ Approved with comments \_\_\_\_\_

### Step 5: Assess the problem

1. Assess the problem
    - a. Assess flood insurance coverage – Review current policies
- Summarize the community's *vulnerability* to each hazard determined in meeting 1
  - Describe the impact the hazard will have on:
    - Life safety
    - Need for warning
    - Evacuating residents and visitors
    - Public health hazards to individuals from flood waters
    - Critical facilities
    - Infrastructure
    - Community's economy
    - Major employers
  - Create an inventory of the number and type of buildings owned by the community that are located in flood-prone areas
  - Identify which buildings are insured for flood damage.
  - Review historical damage to buildings (can be obtained from post-disaster damage assessment reports, flood insurance claims, disaster assistance data, flood control studies.
    - ALL properties that have received flood insurance claims payments
    - An estimate of the potential damage and dollar losses to vulnerable structures
    - Include damage done by mold and other flood related hazards, not just the flooding.
  - Use Hazus-MH?
  - Describe areas within the floodplain that provide natural functions:
    - Wetlands
    - Riparian areas
    - Sensitive areas
    - Habitat for rare / endangered species
  - Describe impact on the community, watershed and natural resource areas, depending on trends in:
    - Development
    - Redevelopment
    - Population growth / loss
  - Describe the impact of future flooding conditions on:
    - People
    - Property
    - Natural floodplain functions

<b>.Meeting Schedule</b>		
<b>Date</b>	<b>Time</b>	<b>Purpose</b>
Thur, 8/14/2014	8.30am – 9.30am	Assess the flood hazards in the City of Venice.
Tues, 8/19/2014	11.00am – Noon	Assess the problems caused by the flood hazards in the City of Venice.
Wed, 8/20/2014	12.30pm – 1.30pm	Public meeting to discuss the natural hazards, problems and possible solutions
Thurs, 8/21/2014	9.30am – 10.30am	Set community goals for floodplain management, insurance Coverage improvement and public outreach.
Thurs 8/21/2014	1.30pm – 2.30pm	Review possible activities that could reduce or prevent the severity of problems caused by hazards in the community
Tues, 8/26/2014	8.00am – 9.00am	Draft an action plan specifying those activities appropriate to the resources, hazards and vulnerable properties of the City of Venice
Mon, 9/08/2014	3.00pm – 4.00pm	Review the Action Plan

[illegible]

## Minutes

**The meeting began at: 11.00am**

**Present:**

**Committee:** Kathleen Weeden, Mark Hampshire, Greg Schneider, Scott Pickett, Renee Halback, John Meyers and Robert Yoho (by phone).

**Non-Committee:** Gillian Carney, Mark Hawkins, Linda Dalton and Greg Giles

**Handouts:** Minutes - mtg#1, Draft Insurance Coverage Improvement Plan (CIP-FIA).

Kathleen called for a motion to approve the minutes from Meeting#1.

Renee Halback motioned, seconded by John Meyers. Approved by all committee members present in person and on the phone..

1. Kathleen welcomed everyone, thanked them for their service and gave an overview of the intent of the committee; to create both a Floodplain Management Plan and an insurance Coverage Improvement Plan in conjunction with a Program for Public Information Plan, in order to better inform and educate our community about flood hazards, preparation, insurance and mitigation.
2. Committee members introduced themselves.
3. Kathleen talked about the CRS and explained that as a Class 6 community we receive a 20% discount in insurance through the NFIP. We also have shared use agreements with other CRS communities, namely, Sarasota, Northport and the town of Longboat Key.
4. Gillian handed out the draft CIP-FIA, and hopes to have the maps and all the tables completed prior to the next meeting to enable our discussion on insurance coverage within the City.
5. FEMA FIRM's are used to quote insurance policies, but the City's Adopted floodplain map is more accurate and used to determine construction permits. Kathleen is available to any resident who needs a zone determination. Also, the City Ordinance no longer requires freeboard, but calls for first floor elevation to be 15" above the crown of the adjacent road.
6. Kathleen reiterated that FEMA maps are available to the public at FEMA.gov and can be used to determine flood zones.
7. The adopted floodplain map is based on recent riverine studies. Kathleen used the current Floodplain Map to discuss flood zone areas and which areas may come into the floodplain with the new FEMA maps.
8. Approximately 70% of homes purchased in Venice are cash purchases, and we need to inform the public of the benefits of flood insurance even if the banks don't require it, especially as 25% of our flood losses are outside the floodplain.
9. FEMA Mitigation grants can cover up to 75% of the costs to raise a home. Residents can call Kathleen for further information.
10. We talked briefly on the impacts of flood hazards, but Gillian will email a section from the recently updated Comprehensive Emergency Management Plan (CEMP) which covers this in detail, and we will review and comment on this prior to including it in the Floodplain Management Plan.
11. New FIRMs will be coming out soon, although the exact date is unknown. The new FIRMs will bring more properties into the floodplain and we need to be prepared for that, and the questions that homeowners will have re house sales and insurance.

12. We reiterated the need to do more outreach so that the residents are aware of, and sign up for, CodeRED – the warning system used by the City. Not only for hurricane warnings, but for boil water notices or unexpected items.
13. We discussed the natural functions provided by areas within the floodplain; they filter water and keep water away from the home.

For the next meeting:

- Provide a copy of the flyer mailed to all citizens, to review and comment on.
- Have flood inventory maps and tables completed.

The next meeting is scheduled for: Wednesday, Aug 20<sup>th</sup> at 12.30pm, where we will continue to discuss the natural hazards, problems and possible solutions.

**The meeting ended at: 12.00, noon**

**8/20/2014;** Mark Hampshire motioned, seconded by Renee Halback. Item #5 contains a typo of a #4 inserted into a word. Minutes approved, with correction, by all committee members present in person and on the phone.

**August 20<sup>th</sup>, 2014**  
**Meeting # 3**

**AGENDA**

- Minutes from Meeting #2, 8/19/2014  
Approved \_\_\_\_\_ Approved with comments \_\_\_\_\_
- Create a statement of goals
  - Review floodplain management activities
  - Draft the action plan
    - Address ALL the major hazards that face the community
- A copy of the CIP elements of the draft plan must be sent to the FEMA Regional Office's flood insurance Liaison. Not for approval, for information purposes only.
- Determine what observable, objective and measurable outcomes are desired from *each* public information message.

Meeting Schedule		
Date	Time	Purpose
Thur, 8/14/2014	8.30am – 9.30am	Assess the flood hazards in the City of Venice.
Tues, 8/19/2014	11.00am – Noon	Assess the problems caused by the flood hazards in the City of Venice.
Wed, 8/20/2014	12.30pm – 1.30pm	Public meeting to discuss the natural hazards, problems and possible solutions
Thurs, 8/21/2014	9.30am – 10.30am	Set community goals for floodplain management, insurance Coverage improvement and public outreach.
Thurs 8/21/2014	1.30pm – 2.30pm	Review possible activities that could reduce or prevent the severity of problems caused by hazards in the community
Tues, 8/26/2014	8.00am – 9.00am	Draft an action plan specifying those activities appropriate to the resources, hazards and vulnerable properties of the City of Venice
Mon, 9/08/2014	3.00pm – 4.00pm	Review the Action Plan

[illegible]

August 20<sup>th</sup>, 2014  
Meeting # 3

## Minutes

**The meeting began at: 12.35pm**

**Present:**

**Committee:** Kathleen Weeden, Mark Hampshire, Greg Schneider, Scott Pickett, Renee Halback, John Meyers, Mark Hawkins and Robert Yoho (by phone).

**Non-Committee:** Gillian Carney

**Handouts:** Minutes - mtg#2, Draft Floodplain Management Plan.

Kathleen called for a motion to approve the minutes from Meeting#2.

Mark Hampshire motioned, seconded by Renee Halback. Item #5 contains a typo of a #4 inserted into a word. Minutes approved, with correction, by all committee members present in person and on the phone.

1. We discussed ease of signing up for CodeRED; a PPI goal should be to have the website amended so that signup requests can be emailed to the engineering department who will, temporarily – until a more permanent decision is made, be responsible for signing people up with CodeRED. We should print up brochures detailing CodeRED, and distribute them to stakeholders for distribution. First check with Emergency management, Jim McCrane or Chief Warman to see if they already have a brochure for distribution. It was agreed that bumper stickers with CodeRED info would compete with too many other City bumper stickers, such as bike notices.
2. Have the CRS mailings that we currently mail to all residents available at the next meeting – or email to committee to be forwarded and distributed.
3. Request that IT provided a projector at the next meeting so that Kathleen can demonstrate SWFWMD and FEMA maps
4. Kathleen talked about HMGP grants only being available after storm events, regardless of whether Venice receives a direct hit.
5. The committee discussed why we have repetitive and severe repetitive loss properties in the community. As part of both the FMP and CIP we need to work harder at correcting this by getting the word out about mitigation grants being available only to those properties currently insured.
6. John Meyers said that at the next meeting he will demonstrate the process realtors go through – what information they are able to access and hand out.
7. Renee talked about the process for Insurance agents when they run quotes; repetitive loss properties are flagged with a note that insurance is unavailable through an agent, only through FEMA. But, no details about the loss are actually displayed.
8. We discussed permits; the City is legally required to hold permits for a maximum of 15 years before they must be destroyed.
9. It was suggested that buyers, or the buyers realtor or insurance agent, request the current flood insurance policy from the seller before buying a property.
10. As part of the PPI, we need to include more outreach about the substantial improvement part of the City ordinance. This should be targeted primarily at building remodelers and developers. Kathleen is

available to do presentations at their general membership meetings. John Hawkins will provide contact info so that we can set this up.

11. As an ongoing process, we need to evaluate and do a cost/benefit analysis of the points earned in the CRS by having the cumulative 10 year rule for substantial loss as part of the city ordinance. Currently, the total does not differentiate between costs for flood insurance versus wind or other types of remodeling. This may have an unintended adverse impact on owners, and we should re-evaluate the ordinance every 5 years – last time was 2013.

The next meeting is scheduled for: Thursday, Aug 22<sup>nd</sup> at 9.30am, where we will set community goals for floodplain management, insurance coverage improvement and public outreach.

**The meeting ended at: 1.40pm**

**8/21/2014;** Kathleen called for a motion to approve the minutes from Meeting#3.

Renee Halback motioned, seconded by Mark Hampshire. Minutes approved by all committee members present.

**August 21<sup>st</sup>, 2014**  
**Meeting # 4**

**AGENDA**

- Minutes from Meeting #3, 8/20/2014  
Approved \_\_\_\_\_ Approved with comments \_\_\_\_\_

**Step 7: Review possible activities**

1. Determine who needs to be informed (target areas / audiences), on what topic, by whom, and how.

Systematically review, in lay terms:

- All of the different activities that could reduce or prevent the severity of the problems listed in step 5
- Review preventive activities such as:
  - Zoning
  - Stormwater management regulations
  - Building codes
  - Subdivision ordinances
  - Preservation of open space
  - Effectiveness of current regulatory standards and programs
  - Effectiveness of current preventive standards and programs
  - Property protection activities:
    - Acquisition
      - How will the project be managed
      - How will the land be used after it is acquired?
    - Retrofitting
    - Flood insurance
  - Activities to:
    - Protect the natural and beneficial functions of the floodplain
    - Protect wetlands
- Review Emergency services:
  - Warning
  - sandbagging
- Review:
  - How the above can reduce future flood losses
  - Current standards in the community's plans and regulations
  - Whether the community should adopt or revise its plans and regulations
- Review structural projects such as channel modifications
- Determine the pros and cons of each activity for each area affected
- Determine community's capability to fund and implement each activity
- Determine whether current activities are achieving expectations or whether they should be modified
- Review whether the community's floodplain management regulatory standards are sufficient for current and future conditions.
- Review:
  - public information activities
  - outreach projects
  - Educational programs

Meeting Schedule		
Date	Time	Purpose
Thur, 8/14/2014	8.30am – 9.30am	Assess the flood hazards in the City of Venice.
Tues, 8/19/2014	11.00am – Noon	Assess the problems caused by the flood hazards in the City of Venice.
Wed, 8/20/2014	12.30pm – 1.30pm	Public meeting to discuss the natural hazards, problems and possible solutions
Thurs, 8/21/2014	9.30am – 10.30am	Set community goals for floodplain management, insurance Coverage improvement and public outreach.
Thurs 8/21/2014	1.30pm – 2.30pm	Review possible activities that could reduce or prevent the severity of problems caused by hazards in the community
Tues, 8/26/2014	8.00am – 9.00am	Draft an action plan specifying those activities appropriate to the resources, hazards and vulnerable properties of the City of Venice
Mon, 9/08/2014	3.00pm – 4.00pm	Review the Action Plan

[illegible]

August 21<sup>th</sup>, 2014  
Meeting # 4

## Minutes

**The meeting began at: 9.35am**

**Present:**

**Committee:** Kathleen Weeden, Mark Hampshire, Greg Schneider, Scott Pickett, Renee Halback, John Meyers, Mark Hawkins and Robert Yoho.

**Non-Committee:** Gillian Carney, Linda Dalton and Greg Giles.

**Handouts:** Minutes - mtg#3, Draft Floodplain Management Plan, Draft FIA map.

Kathleen called for a motion to approve the minutes from Meeting#3.

Renee Halback motioned, seconded by Mark Hampshire. Minutes approved by all committee members present.

1. Evaluate opportunities to review the Comprehensive Plan for floodplain policies
2. Check stormwater regulations – city has higher regulatory standards based on rate and volume lost
3. Check on updates with Florida Building Code, Residential Building Code and International Building Code
4. See how permitting impacts subdivision through the existing Building Code / Cumulative / substantial loss.
5. Continue to evaluate specifics as further studies are done either by City or County.
6. Coordinate with media and insurance agents to get info about approximate coverage amounts.
7. As an ongoing process, we need to evaluate and do a cost/benefit analysis of the points earned in the CRS by having the cumulative 10 year rule for substantial loss as part of the city ordinance. Currently, the total does not differentiate between costs for flood insurance versus wind or other types of remodeling. This may have an unintended adverse impact on owners, and we should re-evaluate the ordinance every 5 years – last time was 2013.
8. The city needs to do more to assist in retrofitting / getting information to the public about retrofitting.
9. The specifics of the CIP and PPI were discussed. See attachments

The next meeting is scheduled for: Thursday, Aug 22<sup>nd</sup> at 9.30am, where we will set community goals for floodplain management, insurance coverage improvement and public outreach.

**The meeting ended at: 10.30am**

**8/21/2014;** Kathleen called for a motion to approve the minutes from Meeting #4.

Mark Hawkins motioned, seconded by Renee Halback. Minutes approved by all committee members present – with comment that the meeting number shown be changed from #3 to #4.

**August 21<sup>st</sup>, 2014**  
**Meeting # 5**

**AGENDA**

- Minutes from Meeting #4, 8/21/2014  
Approved \_\_\_\_\_ Approved with comments \_\_\_\_\_

**Step 8: Draft an Action Plan**

1. Draft an action plan
    - a. Provide an opportunity for the public to comment on the plan
    - b. Have the plan adopted by City Council (at Council Mtg Sept 8th. Plan must be ready by Aug 26th)
- Select and specify those activities appropriate to the community's:
    - Resources
    - Hazards
    - Vulnerable properties
  - Outside funding sources MUST be identified and researched
  - Identify:
    - Who is responsible for implementing the action
    - When it will be done
    - How it will be funded
  - Prioritize the actions
  - There must be an action item for each goal in step 6
  - The plan must include a “process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans when appropriate.”
  - Based on expected damage from a base flood or other disaster, establish, or revise:
    - Post-disaster redevelopment policies and procedures
    - Mitigation policies and procedures
  - Include activities to mitigate the effects of other natural hazards identified in #4
  - Formulate public information messages for target audiences
    - Know your flood hazard / hazard disclosure
    - Insure your property for your flood hazard
    - Protect people from the hazard
    - Protect your property from the hazard
    - Build responsibly
    - Protect natural floodplain functions
    - Map Information Service / CRS 320
    - Flood protection information
    - Flood protection assistance / CRS 360
    - Flood insurance promotion / CRS 370
    - Drainage system maintenance / CRS 540
    - Flood warning and response / CRS 610 & dams CRS 630)
    - Improve flood insurance coverage
  - Identify outreach projects to convey the messages
    - Describe project, who will do project and when it will be done

- One project *MUST* be from elected leadership encouraging people to purchase or increase their flood insurance coverage
- Include procedures for an annual report covering:
  - Monitoring implementation of the plan
  - Reviewing progress of the plan
  - Recommending revisions to the plan

Meeting Schedule		
Date	Time	Purpose
Thur, 8/14/2014	8.30am – 9.30am	Assess the flood hazards in the City of Venice.
Tues, 8/19/2014	11.00am – Noon	Assess the problems caused by the flood hazards in the City of Venice.
Wed, 8/20/2014	12.30pm – 1.30pm	Public meeting to discuss the natural hazards, problems and possible solutions
Thurs, 8/21/2014	9.30am – 10.30am	Set community goals for floodplain management, insurance Coverage improvement and public outreach.
Thurs 8/21/2014	1.30pm – 2.30pm	Review possible activities that could reduce or prevent the severity of problems caused by hazards in the community
Tues, 8/26/2014	8.00am – 9.00am	Draft an action plan specifying those activities appropriate to the resources, hazards and vulnerable properties of the City of Venice
Mon, 9/08/2014	3.00pm – 4.00pm	Review the Action Plan

[illegible]

August 20<sup>th</sup>, 2014  
Meeting # 5

## Minutes

**The meeting began at: 1.30pm**

**Present:**

**Committee:** Kathleen Weeden, Greg Schneider, Scott Pickett, Renee Halback, John Meyers, Mark Hawkins, Robert Yoho and, by phone, Mark Hampshire.

**Non-Committee:** Gillian Carney and Greg Giles.

**Handouts:** Minutes – mtg #4, Draft Floodplain Management Plan, Draft PPI plan, Draft CIP, Page 430-18 of the 2013 CRS manual (section 432d), Check Before You Buy- City flyer, Flood Protection Information for City of Venice Residents 2014 – City Flyer, Insurance premium information from Floodsmart.gov

Kathleen called for a motion to approve the minutes from Meeting #4.

Mark Hawkins motioned, seconded by Renee Halback. Minutes approved by all committee members present – with comment that the meeting number shown be changed from #3 to #4.

1. The committee read through the draft Flood Management Plan (FMP) and made corrections and changes, to be reviewed again at the next meeting. There were no major changes or additions.
2. The Committee read through the draft Program for Public Information plan (PPI) and made corrections and changes, to be reviewed again at the next meeting.
  - a. Add a section for objectives.
    - i. These should be the PPI objectives from the CRS manual
  - b. Add a section for Research
    - i. Add StormReady evaluation for stakeholders <http://www.stormready.noaa.gov/>
    - ii. Add CERT training for HOA's <http://www.fema.gov/community-emergency-response-teams>
      1. Coordinate any research with EOC and Chief Warman
  - c. Some discussion regarding relocating the publications turnstyle closer to the building department. Pam Johnson will look into feasibility.
  - d. A CRS point spread calculation needs to be done before adding more outreach activities
  - e. Any outreach through City channels needs to be reviewed by Pam Johnson before the 20<sup>th</sup> of each month.
3. The Committee read through the draft Coverage Improvement Plan (CIP)) and made corrections and changes, to be reviewed again at the next meeting.
  - a. Add a section on evaluating cost to property owners and cost to the city.
4. Pam Johnson talked about CodeRED and that residents can always call the City and ask to be added to the system. We will transfer that duty to the engineering department.
5. The committee agreed that an objective for the next year is to evaluate the benefit to property owners of the meeting the Cumulative Substantial Improvements section of the CRS (432d). Neither Sarasota nor Longboat Key meet this criteria, and it can have an adverse effect on property owners seeking to mitigate for wind over flood, or in remodeling.
6. Renee handed out information on insurance coverage policy premiums.
  - a. We need to work with the insurance agents and the media on making sure property owners know the approximate costs of flood insurance, and the cost to themselves and the community of not having flood insurance.

The next meeting is scheduled for: Tuesday, August 26<sup>th</sup> at 8am, where we will Draft an action plan specifying those activities appropriate to the resources, hazards and vulnerable properties of the City of Venice.

**The meeting ended at: 2.45pm**

**08/26/2014;** Kathleen called for a motion to approve the minutes from Meeting #5.  
Greg Schneider motioned, seconded by Scott Pickett. Minutes approved by all committee members present.

**August 26<sup>th</sup>, 2014**  
**Meeting # 6**

**AGENDA**

- Minutes from Meeting #5, 8/21/2014  
Approved \_\_\_\_\_ Approved with comments \_\_\_\_\_

**Step 9: Adopt the Plan**

- The plan must be officially adopted:
  - A resolution or other formal document must be voted on by the community's governing body
- The Plan must have a separate section or chapter for PPI activities with:
  - Summary of assessment of local flood hazard
  - Summary of the community's natural floodplain functions
  - Description of all public information activities currently being implemented in the community
  - Flood insurance coverage assessment
  - List of the target audiences
    - The message for each audience
    - Desired outcome for each message
  - Description of each project and activity to be carried out
    - Who will do it
    - When it will be done
  - Description of any Flood response preparations (FRP) projects
  - How the effectiveness of the PPI messages will be monitored and evaluated
- Subsequent amendments must be officially adopted by the community's governing body

Meeting Schedule		
Date	Time	Purpose
Thur, 8/14/2014	8.30am – 9.30am	Assess the flood hazards in the City of Venice.
Tues, 8/19/2014	11.00am – Noon	Assess the problems caused by the flood hazards in the City of Venice.
Wed, 8/20/2014	12.30pm – 1.30pm	Public meeting to discuss the natural hazards, problems and possible solutions
Thurs, 8/21/2014	9.30am – 10.30am	Set community goals for floodplain management, insurance Coverage improvement and public outreach.
Thurs 8/21/2014	1.30pm – 2.30pm	Review possible activities that could reduce or prevent the severity of problems caused by hazards in the community
Tues, 8/26/2014	8.00am – 9.00am	Draft an action plan specifying those activities appropriate to the resources, hazards and vulnerable properties of the City of Venice
Mon, 9/08/2014	3.00pm – 4.00pm	Review the Action Plan

[illegible]

August 26<sup>th</sup>, 2014  
Meeting # 6

## Minutes

**The meeting began at: 8.00am**

**Present:**

**Committee:** Kathleen Weeden, Greg Schneider, Scott Pickett, Renee Halback, John Meyers, Mark Hawkins, Robert Yoho and Mark Hampshire.

**Non-Committee:** Gillian Carney

**Handouts:** Minutes – mtg #5, revised Draft Floodplain Management Plan, revised Draft PPI plan, revised Draft CIP.

Kathleen called for a motion to approve the minutes from Meeting #4.

Greg Schneider motioned, seconded by Scott Pickett. Minutes approved by all committee members present.

1. The committee read through the draft Flood Management Plan (FMP) and made suggestions for corrections and changes. There were no major changes or additions.
2. The Committee read through the draft Program for Public Information plan (PPI) and made suggestions for corrections and changes. There were no major changes or additions.
3. The Committee read through the draft Coverage Improvement Plan (CIP)) and made suggestions for corrections and changes. There were no major changes or additions.
4. The plans will be sent to City Council for adoption on September 9<sup>th</sup>. The committee will be able to revise the plans at any point during the next year.
5. The committee discussed CRS credits, point distribution and evaluating which are the best credits to target, given the city of Venice's resources and hazards.
6. We discussed PPI messages and target audiences for those messages.
7. We discussed how to evaluate the effectiveness of the CIP and PPI plans –are the goals quantifiable ie more insurance purchased?
8. We discussed the seller's hazard disclosure form that the realtors use.
9. Kathleen gave an overview of the LMS partnership with Sarasota, Northport and the Town of Longboat Key.
10. We discussed adding the following agenda items to future meetings:
  - a. Cumulative / substantial loss requirements and how they impact / impede other remodeling.
  - b. Lot coverage and development / redevelopment trends.

The next meeting is scheduled for: Monday, September 8th at 3pm. We will schedule 4 meeting dates (1 per quarter) for the 2014-2015 cycle, and consider revising and/or expanding the plans.

**The meeting ended at: 8.50am**

**09/08/2014;** Kathleen called for a motion to approve the minutes from Meeting #5.

Mark Hawkins motioned, seconded by Renee Halback. Minutes approved by all committee members present.

September 8<sup>th</sup>, 2014  
Meeting # 7

## AGENDA

- Minutes from Meeting #6, 8/26/2014  
Approved \_\_\_\_\_ Approved with comments \_\_\_\_\_

### Step 10: Implement, Evaluate and Revise

- Describe how, when and by whom the plan will be monitored, evaluated and revised.
- Prepare an annual evaluation report on the progress of the plan (from step 8).
  - Must include a review of the community's new:
    - Needs
    - Goals
    - Plans for the area based on:
      - New studies
      - Reports
      - Technical information
  - Hold a public meeting for review and comment on the draft update
  - Submit the report to the governing body
  - Release the report to the media
  - Make the report available to the public
- The annual report must include:
  - The target audiences, the messages and the desired outcomes of the PPI
  - The projects in the PPI to convey the messages
  - Which projects were implemented
  - Why some projects were not implemented
  - What progress was made towards desired outcomes
  - What should be revised, changed, dropped or initiated.
- The committee should review and approve the annual evaluation report
- Steps 4 & 5 / the hazard and problem assessments must be reviewed and brought up to date, accounting for:
  - New floodplain or hazard mapping
  - Annexation of flood-prone areas
  - Additional repetitive loss areas
  - Completed mitigation projects
  - Increased development in the floodplain or watershed
  - New flood control projects
  - Lack of maintenance of flood control projects
  - Major floods or other disasters that occurred since the plan was adopted
  - Any other change in flooding conditions/development exposed to flooding or other hazards covered in the plan
- The planning committee should continue to meet quarterly and
  - Evaluate the plan
  - Revise the plan as needed
- Update the plan by October 1<sup>st</sup> at least every 5 years.
- Submit a copy of the plan update every 5 years

Meeting Schedule 2014-2015			
Mtg #	Date	Time	Purpose
1			
2			
3			
4			

[illegible]

September 8<sup>th</sup>, 2014  
Meeting # 7

## Minutes

**The meeting began at: 3.00pm**

**Present:**

**Committee:** Kathleen Weeden, Greg Schneider, Scott Pickett, Renee Halback, John Meyers, Mark Hawkins, Robert Yoho and Mark Hampshire.

**Non-Committee:** Gillian Carney

**Handouts:** Minutes – Mtg #6, Floodplain Management Plan, PPI plan, CIP, Flood Questionnaire.

Kathleen called for a motion to approve the minutes from Meeting #5.

Mark Hawkins motioned, seconded by Renee Halback. Minutes approved by all committee members present.

1. The committee had previously been emailed the three plans which are to be presented at City Council on September 9<sup>th</sup>. It was agreed that some revisions should be made but that we could table those for the next meeting.
2. We discussed the impacts of the cumulative coverage wording in the ordinance and the fact that Venice has no freeboard.
  - a. The Town of Longboat Key and the City of Sarasota somehow get around this clause. Does the cumulative coverage hurt or help homeowners / the community. What is its actual intent?
  - b. During 2014-2015 we should look into this and determine what the cost/benefits are of re-certifying or re-classifying. Would it take a new ordinance? Would it be an improvement for the community or hinder improvements?
  - c. Mark Hawkins has an upcoming meeting with the Builders Association to discuss this and will report back at our next meeting.
3. The annual report, if required for this year, will be submitted to City Council in memo format. We need to check that it is needed – the new PPI may be sufficient as the annual report.
4. Mark Hawkins requested a copy of the result of the previous CRS audit, and a copy of the result of the upcoming audit once that is available.
5. The Committee was reminded that the floodplain questionnaire has been publicized on the city website and in the papers. Copies were available for them to distribute to their clients.
6. The City will do a CodeRED® test on September 12<sup>th</sup>. This has been publicized as part of the PPI.
7. We discussed dates for the 2014-2015 meetings. A tentative schedule will be arranged and emailed to the committee members prior to a formal notice being made public. Tentative dates are 3<sup>rd</sup> Tuesday of each month, from 8.30am – 9.30am.

**The meeting ended at: 3.35pm**

**11/18/2014;** Kathleen called for a motion to approve the minutes from Meeting #7, August 626<sup>th</sup>, 2014.

Motioned: Renee Halback. Seconded: Scott Pickett

Minutes approved by all committee members present and on the phone.

### **NOTICE OF MEETING**

The City of Venice Community Rating System (CRS) Committee shall meet on November 18, 2014, beginning at 8.30am until approximately 9.30am. The meeting will take place in The Development Service Conference Room, City Hall, 401 W. Venice Avenue, Venice, FL 34285. The purpose of this meeting is to implement, evaluate and revise the Floodplain Management Plan.

The public is invited to attend this meeting and be heard.

No stenographic record by a certified court reporter is made of this meeting nor will a verbatim record be prepared. Minutes will be written for the public record. Accordingly, any person who may seek to appeal any decision involving the matters noticed herein will be responsible for making a verbatim record of the testimony and evidence at this meeting upon which any appeal is based.

If you are disabled and need assistance, please contact the City Clerk's office at least 24 hours prior to the meeting.

**November 18<sup>th</sup>, 2014**  
**Meeting # 1, 2014-2015**

**AGENDA**

1. Motion to approve minutes from meeting 7; 8-26-2014 (*Draft minutes attached*)
  - ☐ Approved      ☐ Approved with comments / revisions
    - Motioned by:
    - Seconded by:
2. PPI Outreach Messages
  - a. The CRS credits up to 10 topics. The messages can be tailored to our community.
  - b. 6 are priority topics that must be covered. The remaining 4 can be determined by this committee. Page 330-4 of the CRS manual attached for discussion purposes. (*Handout #1*)

#	Topic	Message
1	Know your flood hazard	<ol style="list-style-type: none"><li>a. Check to see if you live in SFHA</li><li>b. Flood zone assistance available at city Engineering Dept.</li><li>c. Difference between surge and riverine flooding</li><li>d. Localized flooding information</li><li>e. Insure your property for your flood hazard</li></ol>
2	Insure your property for your flood hazard (Buy flood insurance)	<ol style="list-style-type: none"><li>a. Homeowners insurance does not protect against flood damage</li><li>b. CRS discounts available</li><li>c. 30 day waiting period</li></ol>
3	Protect people from the hazard	<ol style="list-style-type: none"><li>a. Do not walk through flowing water</li><li>b. Do not drive through flooded area</li><li>c. Stay away from power lines and electrical wires</li><li>d. Have electricity turned off if property has been flooded</li><li>e. Watch your step. Look out for animals and harmful insects in flood waters.</li><li>f. Be alert for gas leaks</li><li>g. Do not enter a building that has been flooded until it has been cleared by an inspector.</li></ol>
4	Protect your property from the hazard	<ol style="list-style-type: none"><li>a. Keep driveway culverts clean and free of obstructions</li><li>b. Report ditch blockages to city Public Works Department</li><li>c. Retrofit your property – re-grade site or elevate structure</li><li>d. Elevate air handlers, electrical boxes and water heaters</li><li>e. Make sure your downspouts are clear and directed away from the house</li><li>f. Mitigation grants opportunities are available</li></ol>
5	Build responsibly	<ol style="list-style-type: none"><li>a. Check with Building Dept. before initiating construction or altering grades to see if permit is needed.</li><li>b. Report unpermitted construction</li></ol>

6	Protect Natural floodplain functions	<ul style="list-style-type: none"> <li>a. Keep drainage areas free of debris</li> <li>b. Do not dump or throw anything into ditches, inlets or streams</li> <li>c. Limit use of fertilizers</li> </ul>
7	Hurricane preparedness	<ul style="list-style-type: none"> <li>a. Know your evacuation zone</li> <li>b. Inventory and photograph your home and contents and store with insurance and important documents in a safe place</li> <li>c. Attend the annual city sponsored Hurricane Preparation Seminar in May</li> </ul>
8	General preparedness	<ul style="list-style-type: none"> <li>a. Register for CodeRed® early warning notification system.</li> <li>b. Tune into local TV and radio channels for flood notifications or purchase a weather alert radio.</li> </ul>
9	Elevated and flood vented properties.	<ul style="list-style-type: none"> <li>a. Keep flood vents open and unobstructed</li> <li>b. Non-conversion statement for areas below the required minimum finished floor</li> </ul>
10	Flood education	<ul style="list-style-type: none"> <li>a. Teach children about flood safety and your safety plan</li> </ul>

- c. In previous meetings we wanted to focus on the following messages / projects
- CodeRED
    - City publicized and did a signup on 9-12. Outcome (number of people who signed up) has not yet been made available.
  - Educating on cost of insurance and cost of insurance versus mitigation
    - 25% of losses are outside of floodplain
    - 70% of home purchases in Venice are cash
    - Mitigation grants only available for insured properties
  - Target building remodelers and developers re Substantial Improvement regs
    - Cost benefit analysis of points earned in CRS by having rule as ordinance
    - How the ordinance impacts/impedes other remodeling
    - Mark Hawkins to give report of recent meeting with Builders Association.
    - See *Handout #2*
    - Kathleen can do presentations
    - John Hawkins can provide contact info for local associations
  - Retrofitting information
  - Evaluate StormReady cost / benefit for Stakeholders
  - Evaluate potential of CERT training for HOAs as stakeholders
3. PPI Target audiences for 2014-2015
4. PPI projects for 2014-2014, and how to implement them, maximizing message outreach, with minimum redundancy. Example of scoring. Max credit = 330

Outreach project	Points per topic	# of flood related topics	# of times project delivered	OP = Points per project	PPI multiplier	STK multiplier	Total
Note: OP credits cap at 200, PPI at 80, STK at 60	A	B	C	(A*B*C)	OP * 0.4	OP * 0.3	OP + PPI + STK
Informational material	1	2	1	2	0.8	-	2.8
informational material	1	2	1	2	0.8	0.6	3.4
General outreach	2	2	1	4	1.6	-	5.6
General outreach	2	2	1	4	1.6	1.2	6.8
Targeted outreach	6	2	1	12	4.8	-	16.8
Targeted outreach	6	2	1	12	4.8	3.6	20.4

5. FIRM update

- a. Kathleen would like to hold a technical meeting with area stakeholders (surveyors, developers, contractors, realtors, insurance agents, lenders ...) in January, before the public meeting. We need help putting this together and getting the word out through our networks.
- b. Public meeting dates in Venice have been scheduled for:
  - Wednesday, 1-21-2015 at Venice Community Center 4-7 p.m
  - Wednesday, 3-4-2015 at Venice Community Center 4-7 p.m

6. Meeting schedule 2014-2015

Meeting Schedule		
Date	Time	Purpose
Tues, Nov 18 <sup>th</sup> , 2014	8.30am – 9.30am	Review revised combined FPM. PPI messages, audience and projects. FIRM update meetings
Tues, Feb 17 <sup>th</sup> , 2015	8.30am – 9.30am	
Tues, May 19 <sup>th</sup> , 2015	8.30am – 9.30am	
Tues, Aug 15 <sup>th</sup> , 2015	8.30am – 9.30am	

Table 330-1. CRS topics and example messages.	
Six Priority Topics	Example Messages
1. Know your flood hazard	Your property is subject to flooding You are in a repetitively flooded area Drive safely: five people died in the 2002 flood
2. Insure your property for your flood hazard <i><b>NOTE:</b> At least one project must include a message on this topic</i>	You need flood insurance Renters should buy flood insurance for their contents Take advantage of a low-cost Preferred Risk Policy
3. Protect people from the hazard	Turn around, don't drown Know the flood warning signals: one long blast of the siren means a flash flood along Silver Creek Designate a place where your family can rendezvous after an evacuation order is issued
4. Protect your property from the hazard	Replace your flooded furnace with one elevated above the flood level Keep debris and trash out of the streams and ditches We can help you get a grant to elevate your home. Call us at _____
5. Build responsibly	Get a permit from . . . before you build Know the substantial damage rules (and the ICC benefits). You can see them at www..... All projects should be at least 10 feet from the property line so you don't alter the drainage between homes
6. Protect natural floodplain functions	Don't dump in the storm drains; they drain to the bay Protect our turtle nesting areas: stay off the beach after sunset Report broken silt fences: they help keep our streams clean
Examples of additional topics (developed by a community that has a Program for Public Information)	Example Messages
7. Hurricane preparedness *	Know your evacuation route
8. General preparedness *	Inventory and photograph your home's contents and put important papers and insurance policies in a safe place
9. Basement flooding *	Check your downspout—drain away from the house
10. Flood education *	Teach school children about flooding
* Example topics 7 and 8 could also be listed under CRS topic 3—Protect people from the hazard. By listing them as separate topics in its PPI, the community can receive credit for covering three different topics in each project. Similarly, example topic 9 could be covered under CRS topic 4. All four additional topics (7 through 10) need to be explained in the Program for Public Information.	

## Gillian Carney

---

**From:** Kathleen Weeden  
**Sent:** Friday, September 05, 2014 8:44 AM  
**To:** Gillian Carney  
**Subject:** FW: CRS 372b - CP

Please file this response and when we have our quarterly report to discuss this item, we can clarify with the committee.

---

**From:** Mitchell, Janice [<mailto:Janice.Mitchell@fema.dhs.gov>]  
**Sent:** Friday, September 05, 2014 8:40 AM  
**To:** Kathleen Weeden  
**Subject:** RE: CRS 372b - CP

Since the community has adopted a cumulative substantial improvement requirement in their ordinance, it is a minimum NFIP requirement that it be enforced. Providing "exceptions" to that requirement could endanger the community's status in the NFIP.

Janice Mitchell  
Insurance Program Specialist  
FEMA, Region 4  
Phone 770-220-5441  
Cell 404-694-5279

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**From:** Kathleen Weeden [<mailto:KWeeden@Venicegov.com>]  
**Sent:** Friday, September 05, 2014 8:36 AM  
**To:** Mitchell, Janice; Gillian Carney; 'Lehr, Lori L.'  
**Subject:** RE: CRS 372b - CP

Janice,

Thank you for the information. We will inform the committee. Part of evaluating whether to consider lowering the cumulative number of years if how would it impact our CRS credit and rating. From my perspective, that would end the discussion of allowing exceptions to the cumulative improvements calculations.

Thanks!

Kathleen

---

**From:** Mitchell, Janice [<mailto:Janice.Mitchell@fema.dhs.gov>]  
**Sent:** Friday, September 05, 2014 8:26 AM  
**To:** Gillian Carney; 'Lehr, Lori L.'  
**Cc:** Kathleen Weeden  
**Subject:** RE: CRS 372b - CP

Gillian,

Thank you for providing the document for review by the NFIP.

Overall the package looks very good from our standpoint with one exception. On Page 4 you discuss the cumulative substantial improvement requirements and the possibility of providing exceptions for regular maintenance such as repairing roofs, etc.

When computing cumulative improvements, all cost must be included. Exceptions should not be allowed.

If you have questions, please let me know.

Janice Mitchell  
Insurance Program Specialist  
FEMA, Region 4  
Phone 770-220-5441  
Cell 404-694-5279

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**From:** Gillian Carney [<mailto:GCarney@Venicegov.com>]  
**Sent:** Thursday, September 04, 2014 4:13 PM  
**To:** Mitchell, Janice; Lehr, Lori L.  
**Cc:** Kathleen Weeden  
**Subject:** CRS 372b - CP

Janice,

Please find attached the draft CP for the City of Venice, per CRS 372b, part 3h.

Please email or call if you have any questions regarding this document.

Thanks,

**Gillian Carney**  
**Engineering / Stormwater Analyst**  
**City of Venice**  
**401 West Venice Avenue**  
**Venice, Florida 34285**

[GCarney@Venicegov.com](mailto:GCarney@Venicegov.com)

**Office: 941-486-2626, extension 25006**

*Thank you for helping us keep our community educated about flood hazards, preparation, insurance and mitigation!*

PLEASE NOTE: This agency is a public entity and is subject to Chapter 119, Florida Statutes, concerning public records. Email communications are covered under such laws; therefore, email sent or received on this entity's computer system, including your email address, may be disclosed to the public and media upon request. If you do not want your email address released to a public records request, do not send electronic mail to this entity. Instead, contact this office by phone or in writing.

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If you do not want your email address released to a public records request, do not send electronic mail to this entity. Instead, contact this office by phone or in writing.

**November 18<sup>th</sup>, 2014**  
**Meeting # 1**

## **Minutes**

**The meeting began at: 9.00am**

**Present:**

**Committee:** Kathleen Weeden, Greg Schneider, Scott Pickett, Renee Halback, John Meyers, Robert Yoho (by phone) and Mark Hampshire (by phone).

**Non-Committee:** Gillian Carney

**Handouts:**

- (1) Page 330-334 of the 2013 CRS manual. Table 330-1. CRS Topics and example messages
- (2) Email, dated 9-5-2014, from Janice Mitchell to Kathleen Weeden re substantial improvement

Kathleen called for a motion to approve the minutes from Meeting #7, August 626<sup>th</sup>, 2014.

Motioned: Renee Halback. Seconded: Scott Pickett

Minutes approved by all committee members present and on the phone.

1. We should add an annual presentation on the 50-50 rule, by the Building Department to local Realtors, to our outreach projects.
2. Our Floodplain Management Plan (FMP) has been reviewed and scored highly. However, the Program for Public Information (PPI) and Coverage Improvement Plans (CIP) scored poorly.
  - a. Make a spelling correction to OP#9: conversion not conversation.
  - b. The FPM is on the City website. Comments should be emailed to Gillian.
  - c. Public meeting to review the draft FMP/PPI/CIP is on 11-20-2014 in Council Chambers. Committee members will not be allowed to speak during the meeting as it is not covered by Sunshine laws.
3. Non Conversion language was never in the City of Venice Ordinance, but forms have always been available. We need to update the ordinance. Greg Schneider is on contact with CERT to obtain language used to amend the ordinance. He will provide Kathleen with the draft amendment.
  - a. We only have 1 building within the City that needs to be inspected annually.
4. CodeRED – We need the numbers from the September 12<sup>th</sup> signup.
5. Education – we need to try harder to get the word out about the costs of insurance and insurance versus mitigation. Need to come up with a message that deals specifically with this.
6. We need to add Realtors to the group of people to target re Substantial Improvement regulations as they are a primary source of contact for residents and home owners.
7. The D-FIRMS are scheduled to be posted on the FEMA website on 12-15-2015. There will be a 90 day appeal/protest period, followed by resolution by FEMA, then a 6 month notification period before formal adoption.
  - a. The City will hold a technical meeting for local surveyors, realtors, developers, contractors ...). Date to be posted once the D-FIRMS have been released.
  - b. The City has scheduled 2 public meeting dates, both at the Venice Community Center. We need help getting the word out about these meetings.
8. The next meeting is scheduled for 2-17-2015 at 8.30am

**The meeting ended at: 9.20am**

### **NOTICE OF MEETING**

The City of Venice Community Rating System (CRS) Committee shall meet on February 17, 2015, beginning at 8.30am until approximately 9.30am. The meeting will take place in The Development Service Conference Room, City Hall, 401 W. Venice Avenue, Venice, FL 34285. The purpose of this meeting is to implement, evaluate and revise the Floodplain Management Plan.

The public is invited to attend this meeting and be heard.

No stenographic record by a certified court reporter is made of this meeting nor will a verbatim record be prepared. Minutes will be written for the public record. Accordingly, any person who may seek to appeal any decision involving the matters noticed herein will be responsible for making a verbatim record of the testimony and evidence at this meeting upon which any appeal is based.

If you are disabled and need assistance, please contact the City Clerk's office at least 24 hours prior to the meeting.

**February 17<sup>th</sup>, 2015**  
**Meeting # 2**

**AGENDA**

- Minutes from Meeting #1, 11/18//2014  
Approved \_\_\_\_\_ Approved with comments \_\_\_\_\_
- FEMA map update
- Annual presentation on 50/50 rule by Building Department
- Ordinance amendment – non conversion language
- CodeRED signup numbers
- CRS audit result not yet released
- Status update and evaluation of scheduled outreach.
  - Make sure utility bill mailing is revised and scheduled for February. The 2<sup>nd</sup> mailing of same is usually done in August.

Meeting Schedule 2014-2015			
Mtg #	Date	Time	Purpose
1	11/18/2014	8.30am – 9.30am	Step 10. Plan monitoring, evaluation and revision
2	2/17/2015	8.30am – 9.30am	FEMA Map update
3	5/19/2015	8.30am – 9.30am	
4	8/18/2015	8.30am – 9.30am	

February 17<sup>th</sup>, 2015  
Meeting # 2

## Minutes

**The meeting began at: 8.30am**

**Present:**

**Committee:** Kathleen Weeden, Greg Schneider, Scott Pickett, Renee Halback, Robert Yoho, Mark Hawkins and Eric Jacobs (sitting in for Brian West/ Publix).

**Non-Committee:** Gillian Carney

Brief introductions, for the benefit of Eric Jacobs.

Kathleen called for a motion to approve the minutes from Meeting #1, November 18<sup>th</sup>, 2014.

Motioned: Mark Hawkins. Seconded: Renee Halback

Minutes approved by all committee members present.

1. FEMA map modernization
  - a. Attendance was 800+ at the Venice Open house on Jan 21<sup>st</sup>.
  - b. A 2nd open house has been scheduled for March 4<sup>th</sup>, hosted by Sarasota County and the City of Sarasota. FEMA will not be present. The info about the open house should be posted on the City of Venice website.
  - c. The biggest issue with the DFIRMs is that street flooding is shown as Zone A, effecting some properties. The City has protested and is trying to get effected properties re-evaluated to a Zone X.
  - d. The protest and appeal period ends on April 30th. The maps will not be adopted until all issues are resolved by FEMA.
  - e. Kathleen has done presentations, on the new maps, to the Chamber of Commerce members, The Sarasota Investment Group and Venetian River and Golf Club. James will be doing presentations to Sertoma and the Bay Indies HOA.
  - f. The City has put a link to the Sarasota floodmap on the City's website. This map is easier to read and navigate than the FEMA DFIRMs on the FEMA website.
  - g. We discussed the background of the NFIP and map modernization process: history, authorization, consequences for not adopting maps (no available flood insurance or disaster assistance), benefits of being in the CRS (discounted flood insurance, disaster assistance).
  - h. There seems to be some misunderstanding within the County with regard to accuracy of the maps, the appeals process, who mandated the maps. It was recommended that we read the Herald Tribune article published after the February County Commissioner's meeting.
  - i. A PDF of the Powerpoint presentation made to the stakeholders prior to the open house should be sent to all the committee members.
2. The Building dept. is awaiting a new building official. An annual presentation on the 50/50 rule will be a part of their duties, and done as educational outreach.
  - a. The 50% rule is only effective when the FF < BFE
3. The drafted ordinance needs to be submitted to Jason/ FEMA. Language being added with an owner's statement declaring that the owner will not convert anything under FF. Ordinance is automatically adopted into City Code.

4. The table of scheduled outreach projects should be sent to all committee members prior to the next meeting.
5. The next meeting is scheduled for 5-19-2015 at 8.30am

**The meeting ended at: 9.30am**

### **NOTICE OF MEETING**

The City of Venice Community Rating System (CRS) Committee shall meet on May 19, 2015, beginning at 8.30am until approximately 9.30am. The meeting will take place in The Development Service Conference Room, City Hall, 401 W. Venice Avenue, Venice, FL 34285. The purpose of this meeting is to implement, evaluate and revise the Floodplain Management Plan.

The public is invited to attend this meeting and be heard.

No stenographic record by a certified court reporter is made of this meeting nor will a verbatim record be prepared. Minutes will be written for the public record. Accordingly, any person who may seek to appeal any decision involving the matters noticed herein will be responsible for making a verbatim record of the testimony and evidence at this meeting upon which any appeal is based.

If you are disabled and need assistance, please contact the City Clerk's office at least 24 hours prior to the meeting.

**May 19<sup>th</sup>, 2015**  
**Meeting # 2**

**AGENDA**

- Minutes from Meeting #2 02/17/2015  
Approved \_\_\_\_\_ Approved with comments \_\_\_\_\_
- Annual presentation on 50/50 rule by Building Department
- Ordinance amendment – non conversion language
- CodeRED signup numbers
- CRS audit result
- Status update and evaluation of scheduled outreach.

Meeting Schedule 2014-2015			
Mtg #	Date	Time	Purpose
1	11/18/2014	8.30am – 9.30am	Step 10. Plan monitoring, evaluation and revision
2	2/17/2015	8.30am – 9.30am	FEMA Map update
3	5/19/2015	8.30am – 9.30am	Status update and evaluation of scheduled outreach
4	8/18/2015	8.30am – 9.30am	

Name	Affiliation	Email	Phone
MARIS JAWKINS	Construction Hawk's Nest	Hawknest@msn.com	650-9499
Robert Yoho	Damex Corporation - Mitigation	Lyoho@damexcorp.com	941-626-9971
CHAD NOBUS	PUBLIX SUPERMARKETS STORE #802	CPN1974@YAHOO.COM	223-6008
John MEYER	BHHS Florida Realty	Jameyers@Comcast.net	574-274-4639
Gillian Carney	City of Venice	Gcarney@venicegov.com	941-486-2626
Kathleen Wooden	City of Venice	Kwooden@venicegov.com	941-486-2626
Scott Pickett	" "	spickett@venicegov.com	" "
Renee Halback - by phone			
Mark Hampshire - by phone			

May 19<sup>th</sup>, 2015  
Meeting # 3

## Minutes

The meeting began at: 8.30am

**Present:**

**Committee:** Kathleen Weeden, Greg Schneider, Scott Pickett, Robert Yoho, Mark Hawkins, John Meyers and Chad Noble (sitting in for Brian West/ Publix).

**Non-Committee:** Gillian Carney

**By Phone:** Mark Hampshire, Renee Halback

Brief introductions, for the benefit of Chad Noble.

Kathleen called for a motion to approve the minutes from Meeting #2, February 17<sup>th</sup>, 2015

Motioned: Mark Hawkins. Seconded: Renee Halback

Minutes approved by all committee members present.

1. Annual presentation on 50/50 rule by Building Official
  - a. The Building dept. is awaiting a new building official. An annual presentation on the 50/50 rule will be a part of their duties, and done as educational outreach.
  - b. The 50% rule is only effective when the FF < BFE
  - c. Gillian to check on whether Kathleen can add a slide about the 50/50 rule into her presentations, or whether the presentations *must* be given by a building official.
  - d. Suggested groups for the presentations are: BIA/remodelers council (contact John Mass, 907-0296 x304) and the Venice Board of Realtors.
2. Ordinance amendment – non-conversion language
  - a. The draft ordinance and non-conversion agreement were handed out to committee members.
  - b. The City currently has only 1 structure which would be affected were it to be built today: Sharkys. The ordinance is not retroactive. The City will have new structures mapped into coastal A zones when the DFIRMS are adopted.
  - c. The drafted ordinance and non-conversion agreement have been reviewed by the Florida Department of Emergency Management (DEM) and now needs to be submitted to Sherry Harper for CRS review
  - d. There will be 2 public hearings before council, both advertised in the local papers, before the ordinance is adopted into City Code.
  - e. The draft should be sent to Code Enforcement officer, Paul Ianelli, as he should be aware of it.
  - f. Enforcement steps are: Inspection, violation, opportunity to correct and return to compliancy, Code Enforcement. Non-compliant structures are removed from the NFIP and unable to purchase insurance.
3. CodeRED
  - a. A test of the CodeRED system was made on 05-15-2015, prior to the City's annual hurricane seminar.
  - b. Numbers called = 11571, numbers connected = 9083, percentage reached = 78%. The committee would like to see how these numbers compare to last year.

- c. Discussion on why numbers wouldn't/couldn't be reached; disconnected numbers, changed numbers, no voice mail...
  - d. Kathleen explained purpose of CodeRED; boil water notices, road closures as well as hurricane and other emergencies.
- 4. CRS Audit result
  - a. Our specialist, Lori Lehr, resigned in December and we have not yet received our audit results. She was replaced at the beginning of April by Craig Carpenter.
  - b. ICC will be mandating freeboard in 2018, Florida shortly thereafter. When this happens we may want to request another cycle visit to see if we earn enough credits to move from a class 6 to a class 5 community.
- 5. Status update and evaluation of scheduled outreach
  - a. Projects are on being done as scheduled and reaching target audiences. No change desired as yet.
- 6. Roundtable
  - a. Sarasota County is doing a closer review of the DFIRMS as ditches and swales are being considered floodplain.
  - b. The City of Venice filed an appeal because of the same situation with standing water being misclassified as floodplain. We hope that this will result in many areas being re-mapped as X-shaded areas, removing many structures from the floodplain.
- 7. The next meeting is scheduled for 8-18-2015 at 8.30am

**The meeting ended at: 9.15am**

### **NOTICE OF MEETING**

The City of Venice Community Rating System (CRS) Committee shall meet on September 15, 2015, beginning at 8.30am until approximately 9.30am. The meeting will take place in The Development Service Conference Room, City Hall, 401 W. Venice Avenue, Venice, FL 34285. The purpose of this meeting is to implement, evaluate and revise the Floodplain Management Plan.

The public is invited to attend this meeting and be heard.

No stenographic record by a certified court reporter is made of this meeting nor will a verbatim record be prepared. Minutes will be written for the public record. Accordingly, any person who may seek to appeal any decision involving the matters noticed herein will be responsible for making a verbatim record of the testimony and evidence at this meeting upon which any appeal is based.

If you are disabled and need assistance, please contact the City Clerk's office at least 24 hours prior to the meeting.

**September 15<sup>th</sup>, 2015**  
**Meeting # 4**

**AGENDA**

- Minutes from Meeting #3 05/19/2015  
Approved \_\_\_\_\_ Approved with comments \_\_\_\_\_
- Review of the Sunshine Laws
- Annual CRS report and FMP update
  - Comments requested for discussion in reporting year 2015-2016.
    - Consider proposing dialogue with developers developing in SFHA (floodplain or watershed) as part of their design to seek a blanket LOMA-R from FEMA to remove the new development from the SFHA. Possibly make it a requirement to receive final plat approval.
    - Consider an ordinance to limit the quantity of fill placed on in-fill lots for new construction in SFHA to better provide control over lot run off and limit alteration of historic drainage. Possibly even mandating using stemwall foundation systems in lieu of monolithic grade foundations so little or no fill is placed on the lot outside the footprint of the structure.
    - A discussion on the city's impervious coverage standard, when it applies and any involvement with SWFWMD in the establishment and enforcement of the standard.
    - Statistics on the frequency of new houses get to the maximum coverage.
- Annual presentation on 50/50 rule by Building Department
- Ordinance amendment – non conversion language
- CRS audit result
- Status update and evaluation of scheduled outreach.
- Distribution of Strategic plan YE 9-30-2016
- Schedule meetings for 2015-2016

Meeting Schedule 2015-2016			
Mtg #	Date	Time	Purpose
1		8.30am – 9.30am	
2		8.30am – 9.30am	
3		8.30am – 9.30am	
4		8.30am – 9.30am	

September 15<sup>th</sup>, 2015  
Meeting # 4

## Minutes

The meeting began at 8.45am.

**Present:**

**Committee:** Kathleen Weeden, Scot Pickett, Greg Schneider, Renee Halback, Robert Yoho, Mark Hampshire, Tim Adkins.

**By Phone:** Mark Hawkins

**Non-Committee:** Gillian Carney

**Absent:** John Meyers telephoned to say he would be unable to attend.

Kathleen called for a motion to approve the minutes from meeting #3, May 19<sup>th</sup>, 2015.

Motioned: Renee Halback. Seconded by Mark Hampshire.

Minutes approved by all members present.

1. Kathleen did a quick review of the Sunshine Laws.
  - a. Committee members are not allowed to discuss committee business outside of committee meetings, either in person or by phone/email.
  - b. Committee members had received a memorandum from Lori Stelzer to attend refresher training on the Sunshine Laws (attached).
2. Annual CRS report and FMP update
  - a. The FMP has been updated and will go before Council for adoption on 9/22/2015. There was no further discussion on this update.
  - b. The following issues, requested for discussion in reporting year 2015-2016, were raised and discussed.
    - i. Consider proposing dialogue with developers developing in SFHA (floodplain or watershed) as part of their design to seek a blanket LOMA-R from FEMA to remove the new development from the SFHA. Possibly make it a requirement to receive final plat approval.
      - There is no legal way to do this as the FEMA review period could hold up plats for too long.
      - The City can work with developers to improve their understanding of the implications to their buyers / customers. The Villages of Milano was used as an example.
      - At the least, the City should begin a dialogue with developers to find a way forward. This could be done in the construction review process – it could be added as a final review comment.
      - The City is currently more stringent than SWFWMD; the City requires calculations showing how they will handle the volume for the 1<sup>st</sup> 24-hours distribution and drainage of rainfall.
    - ii. Consider an ordinance to limit the quantity of fill placed on in-fill lots for new construction in SFHA to better provide control over lot run off and limit alteration of historic drainage. Possibly even mandating using stemwall foundation systems in

- lieu of monolithic grade foundations so little or no fill is placed on the lot outside the footprint of the structure.
- This results in structures with steps leading to the front door, or up from the garage. Therefore, not ADA complaint, and DEP will not allow in velocity zones. We could look at the ordinance that Tarpon Springs has which requires this.
  - The procedure would be to draft an amendment to the Flood Ordinance, have the language reviewed by State and then present amendment to City Council.
  - Opposition would be expected in trying to mandate this, as homeowners do not like the obstacle that stem walls present to parking. Should it be left to the builders to determine by lot?
  - Additional study would be needed to determine how much fill would be required versus a stemwall? Cannot calculate the number of homes to be removed from the floodplain because it would be dependent on new or re-construction.
  - The City needs to be more diligent in their engineering reviews with regard to water drainage. The City should also ask for more drainage calculations.
  - Gillian (and Greg) to pull permits and see what was placed on lots, and how many properties / areas of the City would be impacted.
- iii. A discussion on the City's impervious coverage standard, when it applies, and involvement with SWFWMD in the establishment and enforcement of the standard.
- The City standard requires site and drainage plans for additions only – specifically roof additions. Gillian to obtain Lot Coverage Standard from Stormwater Engineering Manager (James Clinch) and send to committee members for discussion at our next meeting.
  - City Council grants requests for additional lot coverage.
- iv. Consider an ordinance to limit the quantity of fill placed on in-fill lots for new Statistics on the frequency of new houses get to the maximum coverage.
- Data for this is not currently collected, but could be collected by Planning and Zoning. Do we want the City to begin tracking impervious coverage? What would be the best way to do this?
3. Annual presentation on 50/50 rule by Building Department
- a. This will become a duty of the new building official when hired. Interviews are scheduled to take place this week.
4. Ordinance amendment – non conversion language.
- a. The City determined that the time spent in doing an ordinance amendment outweighed the number of points we would earn through the CRS program. We may revisit this if we determine that an ordinance amendment is needed to limit the quantity of fill placed on in-fill lots (see 2.b.ii).
5. CRS audit result
- a. We are still awaiting the results of our 5 year cycle audit. Our auditor resigned in December 2015. A replacement was hired in April 2016 and is working on our audit.
6. Status update and evaluation of scheduled outreach.
- a. All outreach is up to date and proceeding on schedule.
7. Distribution of Strategic plan YE 9-30-2016
- a. This package was received from Lori Stelzer and distributed both by email and at this meeting (attached).
8. Schedule meetings for 2015-2016

- The first meeting was tentatively scheduled for December 1<sup>st</sup>. Other meetings will be scheduled at a later date.

**The meeting ended at 9.40am**

Meeting Schedule 2015-2016			
Mtg #	Date	Time	Purpose
1	12/1/2015	8.30am – 9.30am	
2		8.30am – 9.30am	
3		8.30am – 9.30am	
4		8.30am – 9.30am	

### **NOTICE OF MEETING**

The City of Venice Community Rating System (CRS) Committee shall meet on December 1, 2015, beginning at 8.30am until approximately 9.30am. The meeting will take place in The Development Service Conference Room, City Hall, 401 W. Venice Avenue, Venice, FL 34285. The purpose of this meeting is to implement, evaluate and revise the Floodplain Management Plan.

The public is invited to attend this meeting and be heard.

No stenographic record by a certified court reporter is made of this meeting nor will a verbatim record be prepared. Minutes will be written for the public record. Accordingly, any person who may seek to appeal any decision involving the matters noticed herein will be responsible for making a verbatim record of the testimony and evidence at this meeting upon which any appeal is based.

If you are disabled and need assistance, please contact the City Clerk's office at least 24 hours prior to the meeting.

**December 1<sup>st</sup>, 2015**  
**Meeting # 1, 2015-2016**

**AGENDA**

- Minutes from Meeting #4, September 15<sup>th</sup>, 2015  
Motioned: \_\_\_\_\_ Seconded: \_\_\_\_\_  
Approved \_\_\_\_\_ Approved with comments \_\_\_\_\_
- Sunshine Law Training
  - Have all members attended training or refresher training?
- Annual CRS report and FMP update
  - The Floodplain Management Plan (FMP) was updated, and adopted by Council on 9/22/2015
  - The Joint Local Mitigation Strategy (LMS) update is in process.
  - Have we given more consideration to dialogue with developers during construction review phase, re removing properties from SFHA?
  - Stemwall foundations
    - Tarpons Springs Ordinance (Handout #1)
    - Properties with stemwalls (list attached)
  - Impervious coverage
    - Lot Coverage, allowances (attached)
    - Tracking
- Annual presentation on 50/50 rule by Building Department
  - New Building Official - Frank O'Neill.
- CRS audit result
- Status update and evaluation of scheduled outreach.
- Other Items?
- Schedule meetings for 2015-2016

Meeting Schedule 2015-2016			
Mtg #	Date	Time	Purpose
1	12/01/2015	8.30am – 9.30am	
2		8.30am – 9.30am	
3		8.30am – 9.30am	
4		8.30am – 9.30am	

## Gillian Carney

---

**From:** Gillian Carney  
**Sent:** Wednesday, September 16, 2015 3:45 PM  
**To:** Karen Butterworth  
**Subject:** Permit search question

Karen,

What is the best way to search for homes with either monolithic foundations or stemwalls?

I need to determine the number of homes in the City with each of the above.

Thanks,

**Gillian Carney**  
**Stormwater Engineering Research Analyst**  
**City of Venice**  
**401 West Venice Avenue**  
**Venice, Florida 34285**

[GCarney@Venicegov.com](mailto:GCarney@Venicegov.com)

**Office: 941-486-2626, extension 25006**

*Thank you for helping us keep our community educated about flood hazards, preparation, insurance and mitigation!*

Note: All electronic data sent or received through this e-mail address is public record, governed by the State of Florida, Public Records Law

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**From:** Gregory Schneider  
**Sent:** Wednesday, September 16, 2015 3:30 PM  
**To:** Gillian Carney <GCarney@Venicegov.com>  
**Subject:** Fill vs Stemwall

Gillian,

The following permits related to subject line.

801 Pillitteri Pl, #14-4155, stemwall  
805 Pillitteri Pl, #15-2388, stemwall  
809 Pillitteri Pl, #14-1796, stemwall  
817 Pillitteri Pl, #15-1869, stemwall

The above were a combination of fill placed on lot and stemwall that was back filled.

817 Laguna Dr, #14-1222, stemwall  
815 Laguna Dr, #12-715, stemwall  
830 Laguna Dr, #12-2433, stemwall  
400 Bayshore Dr, #14-1251, stemwall  
732 Cadiz Rd, #12-775, lot fill with monolithic foundation

Permits starting with 14- or 15- are paper files in the Building Division. Permits starting with 12- are on Laserfiche. These are the most recent that I can remember. Please speak with Karen if you need additional permits. She may know of a way to search the data base to pull them up.

Greg

PLEASE NOTE: This agency is a public entity and is subject to Chapter 119, Florida Statutes, concerning public records. Email communications are covered under such laws; therefore, email sent or received on this entity's computer system, including your email address, may be disclosed to the public and media upon request. If you do not want your email address released to a public records request, do not send electronic mail to this entity. Instead, contact this office by phone or in writing.

Lot Coverage Requirements, by Zone								
Zone	Abbreviation	Max. Residential Density	Lot Coverage (%)	Min. Yard Requirements (Ft.)				Code Section
				Front	Rear	Side	Waterfront	
Open Use Conservation	OUC	1 unit / 25 acres	Unrestricted	50	50	50	50	86-70
Residential Estate	RE	1 / acre	25	25	20	10	20	86-80
Residential, Single-Family	RSF-1	2.5 / acre	30	20	10	8	20	86-81
Residential, Single-Family	RSF-2	3.5 / acre	30	20	10	8	20	86-81
Residential, Single-Family	RSF-3	4.5 /acre	35	20	10	6	20	86-81
Residential, Single-Family	RSF-4	5.5 / acre	35	20	10	6	20	86-81
Residential, Multiple-Family	RMF-1	6 / acre	Height ≤35ft, 30	20	15	12	20	86-82
Residential, Multiple-Family	RMF-1	6 / acre	Height 36-45ft, 28	20	15	12	20	86-82
Residential, Multiple-Family	RMF-1	6 / acre	Height 46-55ft, 26	20	15	12	20	86-82
Residential, Multiple-Family	RMF-2	9 / acre	Height ≤35ft, 30	20	15	12	20	86-82
Residential, Multiple-Family	RMF-2	9 / acre	Height 36-45ft, 28	20	15	12	20	86-82
Residential, Multiple-Family	RMF-2	9 / acre	Height 46-55 ft, 26	20	15	12	20	86-82
Residential, Multiple-Family	RMF-3	13 / acre	Height ≤35ft, 30	20	15	15	20	86-82
Residential, Multiple-Family	RMF-3	13 / acre	Height 36-45ft, 28	20	15	15	20	86-82
Residential, Multiple-Family	RMF-3	13 / acre	Height 46-55ft, 26	20	15	15	20	86-82
Residential, Multiple-Family	RMF-3	13 / acre	Height 56-65 ft, 24	20	15	15	20	86-82
Residential, Multiple-Family	RMF-3	13 / acre	Height 66-85ft, 22	20	15	15	20	86-82
Residential, Multiple-Family	RMF-4	18 / acre	Height ≤35ft, 30	20	15	15	20	86-82
Residential, Multiple-Family	RMF-4	18 / acre	Height 36-45ft, 28	20	15	15	20	86-82
Residential, Multiple-Family	RMF-4	18 / acre	Height 46-55ft, 26	20	15	15	20	86-82
Residential, Multiple-Family	RMF-4	18 / acre	Height 56-65 ft, 24	20	15	15	20	86-82
Residential, Multiple-Family	RMF-4	18 / acre	Height 66-85ft, 22	20	15	15	20	86-82
Residential, Multiple-Family	RMF-4	18 / acre	Height 86-105ft, 20	20	15	15	20	86-82
Residential, Manufactured Home	RMH	5 / acre	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	86-83
Planned Unit Development	PUD	4.5 / acre	1 acre	N/A	N/A	N/A	N/A	86-130
Office, Professional and Institutional (townhouses and multi-family dwellings)	OPI	9 / acre	30	20	15	10	20	86-90
Office, Professional and Institutional (adult congregate living communities w/kitchen)	OPI	30 / acre	30	20	15	10	20	86-90
Office, Professional and Institutional (adult congregate living communities w/o kitchen)	OPI	55 / acre	30	20	15	10	20	86-90
Commercial, Neighborhood	CN	Prohibited	Unrestricted	20	10	8	N/A	86-91
Commercial, General (Multi-family dwellings)	CG	18 / acre	30	20	10	8	N/A	86-92
Commercial, General (other permissible buildings)	CG	18	Unrestricted	20	10	8	N/A	86-92
Commercial, Intensive	CI	Prohibited	Unrestricted	20	10	8	N/A	86-93
Commerical, Business District	CBD	18 / acre	30	20	15	15	20	86-94
Commercial, Shopping Center	CSC	Prohibited	35	N/A	N/A	N/A	N/A	86-131
Industrial, Light and Warehousing	ILW	Prohibited	Unrestricted	No requirement	5	No requirement	No requirement	86-100
Planned Industrial Development	PID	Prohibited	Unrestricted	No requirement	No requirement	No requirement	No requirement	86-132
Government Use	GU	18 / acre	No requirement	No requirement	No requirement	No requirement	No requirement	86-110

Zone	Abbreviation	Max. Residential Density	Lot Coverage (%)	Min. Yard Requirements (Ft.)				Code Section
				Front	Rear	Side	Waterfront	
Marine Park	MP	No requirement	No requirement	No requirement	No requirement	No requirement	No requirement	86-71
Residential, Tourist Resort (Hotels, Motels)	RTR	36 / acre	Height ≤35ft, 30	20	15	15	20	86-84
Residential, Tourist Resort (Hotels, Motels)	RTR	36 / acre	Height 36-45ft, 28	20	15	15	20	86-84
Residential, Tourist Resort (Hotels, Motels)	RTR	36 / acre	Height 46-55ft, 26	20	15	15	20	86-84
Residential, Tourist Resort (Hotels, Motels)	RTR	36 / acre	Height 56-65 ft, 24	20	15	15	20	86-84
Residential, Tourist Resort (Hotels, Motels)	RTR	36 / acre	Height 66-75ft, 22	20	15	15	20	86-84
Residential, Tourist Resort (Hotels, Motels)	RTR	36 / acre	Height 76-105ft, 20	20	15	15	20	86-84
Residential, Tourist Resort (Interval occupancy where more than 50% of the units have cooking facilities)	RTR	18 / acre	Height ≤35ft, 30	20	15	15	20	86-84
Residential, Tourist Resort (Interval occupancy where more than 50% of the units have cooking facilities)	RTR	18 / acre	Height 36-45ft, 28	20	15	15	20	86-84
Residential, Tourist Resort (Interval occupancy where more than 50% of the units have cooking facilities)	RTR	18 / acre	Height 46-55ft, 26	20	15	15	20	86-84
Residential, Tourist Resort (Interval occupancy where more than 50% of the units have cooking facilities)	RTR	18 / acre	Height 56-65 ft, 24	20	15	15	20	86-84
Residential, Tourist Resort (Interval occupancy where more than 50% of the units have cooking facilities)	RTR	18 / acre	Height 66-75ft, 22	20	15	15	20	86-84
Residential, Tourist Resort (Interval occupancy where more than 50% of the units have cooking facilities)	RTR	18 / acre	Height 76-105ft, 20	20	15	15	20	86-84
Venetian Gateway (overlay)	VG	Requirements as for underlying District						86-120
Office, Medical and Institutional	OMI	72 beds / acre	30	20	15	10	N/A	86-95
Commercial, Highway Interchange	CHI	36 / acre	35	50	25	25	N/A	86-96
Planned Commercial Development District	PCD	Prohibited	Unrestricted	No requirement	No requirement	No requirement	No requirement	86-133
Commercial Mixed Use District	CMU	18 / acre	No requirement	No requirement	No requirement	No requirement	No requirement	86-97
Neighborhood Height Overlay District	NHO	Requirements as for underlying District						86-121
Venetian Urban Design District	VUD	18 / acre	Unrestricted	N/A	N/A	N/A	N/A	86-122

Name	Affiliation	Email	Phone
Robert Yoho	The Amex Corporation	Ryoho@damexcorp.com	941-626-9971
John MEYERS	BHHS Florida Realty	jameyers@bhmart.net	574-274-4639
Gillian Carney	City of Venice	Gcarney@venicegov.com	
Mark Hampshire	Capital Bank	Mark.Hampshire@Capitalbank.us.com	941-412-2846
Frank Orsini	City of Venice		
GREG SCHNEIDER	CITY OF VENICE		941-882-7374
Kathleen Weeden	City of Venice		
Mark Hawkins <sup>bs</sup> Phone			
Tim Adkins <sup>bs</sup> Phone			
Scott Pinkett	CGV		882-7437

**December 1<sup>st</sup>, 2015**  
**Meeting # 1, 2015-2016**

**MINUTES**

Kathleen Weeden called the meeting to order at 8.35am

1. Minutes from Meeting #4, September 15<sup>th</sup>, 2015  
Motioned: Greg Schneider      Seconded: Mark Hampshire  
Approved X      Approved with comments \_\_\_\_\_
2. Kathleen called for introductions around the table and by phone, primarily for the benefit of Frank O'Neill who will be replacing Greg Schneider on the Committee.
3. Sunshine Law Training
  - a. Kathleen reminded members that they need to attend the Sunshine Laws training, and that there is a DVD available from the City Clerk's office for those unable to attend scheduled training.
4. Annual CRS report and FMP update
  - a. The FMP has been updated, and was approved and adopted by Council on 9/22/2015. Kathleen did a brief review of the FMP and the CRS committee.
  - b. Kathleen did a brief review of the Local Mitigation Strategy (LMS) and the communities involved. The final draft LMS is currently under review by the communities. It is scheduled to be sent to State in January 2016.
  - c. With regard to development in the SFHA. Kathleen has an ongoing dialogue with the developers as they approach new development phases.
  - d. Stem wall foundations:
    - i. Tarpon Springs no longer has a stemwall ordinance, but bases their code on building height.
    - ii. The CRS committee does not feel that we have enough properties with stem walls for this to be a concern, and that an ordinance covering stem walls holds no advantage to the City or residents and would be difficult as they differ case by case.
  - e. Impervious coverage:
    - i. Lot coverage is not the same as impervious coverage. The City does not appear to have a standard for impervious coverage, although the Stormwater division has a form which is to be completed when a certain percentage of coverage is reached. The City does not appear to have regulations concerning maximum impervious coverage. James and Gillian to research this for the next meeting.
    - ii. Cathy Dubre currently tracks impervious coverage in MapInfo, but the task of querying a total would be too cumbersome. The IT dept. has recently installed QGIS on Gillian's laptop and this should aid in converting shapefiles from MapInfo to ArcMap. So, we may have numbers for the next meeting.
5. Annual presentation on 50% rule by Building Department
  - a. New Building Official - Frank O'Neill will be replacing Greg Schneider on the CRS Committee.
  - b. Schedule presentations to the Building Industry Association BIA (contact John Mast) and Venice Area Board of realtors VABR. The committee agrees that people seem to know of the 50% rule, but there is confusion as to what it means, especially in conjunction with the City's 10 year rule.
6. We still do not have the result of our 2014 CRS audit.

7. Scheduled outreach is up to date.
8. New Business:
  - a. There was discussion about the State and National historic registry.
    - i. Being listed on the registry makes a building eligible for restoration funds. It also exempts the building from FEMA regulations, as long as the building is kept in accord with the historic tone.
9. Schedule meetings for 2015-2016.
  - a. A request was made to mail future meeting notices and agenda to non-city employed CRS members.

Meeting Schedule 2015-2016			
Mtg #	Date	Time	Purpose
1	12/01/2015	8.30am – 9.30am	
2	3/1/2016	8.30am – 9.30am	
3	6/7/2016	8.30am – 9.30am	
4	9/6/2016	8.30am – 9.30am	Update FMP

### **NOTICE OF MEETING**

The City of Venice Community Rating System (CRS) Committee shall meet on March 1, 2016, beginning at 8.30am until approximately 9.30am. The meeting will take place in The Development Service Conference Room, City Hall, 401 W. Venice Avenue, Venice, FL 34285. The purpose of this meeting is to implement, evaluate and revise the Floodplain Management Plan.

The public is invited to attend this meeting and be heard.

No stenographic record by a certified court reporter is made of this meeting nor will a verbatim record be prepared. Minutes will be written for the public record. Accordingly, any person who may seek to appeal any decision involving the matters noticed herein will be responsible for making a verbatim record of the testimony and evidence at this meeting upon which any appeal is based.

If you are disabled and need assistance, please contact the City Clerk's office at least 24 hours prior to the meeting.

**March 1<sup>st</sup>, 2016**  
**Meeting # 2, 2015-2016**

**AGENDA**

- Minutes from Meeting #1, December 1<sup>st</sup>, 2015  
Motioned: \_\_\_\_\_ Seconded: \_\_\_\_\_  
Approved \_\_\_\_\_ Approved with comments \_\_\_\_\_
  
- Sunshine Law Training
  - Memorandum from City Clerk
- Local Mitigation Strategy (LMS) update
- Impervious Coverage
  - City regulations
  - Conversion from MapInfo
- Annual presentations on 50/50 rule by Building Official - Frank O'Neill
  - Building Industry Association (Contact: John Mast)
  - Venice Board of Realtors
- CRS audit result
- Status update and evaluation of scheduled outreach.
- New Business

Meeting Schedule 2015-2016			
Mtg #	Date	Time	Purpose
1	12/01/2015	8.30am – 9.30am	Regularly scheduled meeting
2	3/1/2016	8.30am – 9.30am	Regularly scheduled meeting
3	6/7/2016	8.30am – 9.30am	Regularly scheduled meeting
4	9/6/2016	8.30am – 9.30am	Regularly scheduled meeting

Name	Affiliation	Email	Phone
Gillian Carney	City of Venice	Gcarney@venicegov.com	941-882-7412
Renee Halback - by phone			941-485-2323
Mark Hawkins	Hawkins Nest Const	Hwkinsnest@msn.com	941-650-9499
Mark Hampshire	Capital Bank	Mark.hampshire@capitalbank.com	941-468-0237
Robert Lybo	Damex Corp.	Lybo@damexcorp.com	941-626-9971
John MEYERS	BHHS FL. Realty	jameyers@bhmcast.net	574-274-4639
Frank ONeill	City of Venice	FONeill@venicegov.com	941-882-7373
Scott Pickett	City of Venice	Spickett@venicegov.com	882-7433
Tim Abkiss	Publix	Timpublix@publix.com	941-302-9343
Kathleen Weiden	CITY OF Venice	kweedenc@venicegov.com	941-882-7409

March 1<sup>st</sup>, 2016  
Meeting # 2, 2015-2016

## MINUTES

**Present:** Kathleen Weeden, Mark Hawkins, Robert Yoho, Mark Hampshire, Frank O'Neill, Scott Pickett, John Meyers, Tim Adkins and Gillian Carney (non-committee member)

**By Phone:** Renee Halback

Kathleen Weeden called the meeting to order at 8.35am

1. Minutes from Meeting #1, December 1<sup>st</sup>, 2015  
Motioned: Renee Halback      Seconded: Robert Yoho  
Approved X      Approved with comments \_\_\_\_\_
2. Kathleen called for introductions around the table and by phone, primarily for the benefit of Renee Halback, calling in by phone.
3. Verified that all committee members received the agenda and draft minutes in the mail.
  - a. Correct addresses for John Meyers and Robert Yoho
4. Sunshine Law Training
  - a. We verified that all members have completed their Sunshine training. There is a question about Mark Hampshire. Gillian to check with Lori Stelzer.
5. Local Mitigation Strategy (LMS) update
  - a. The LMS was adopted by City of Venice Council on January 12<sup>th</sup>, 2016. Resolution #2016-001.
6. Impervious coverage:
  - a. The IT dept. has recently installed QGIS on Gillian's laptop and this should aid in converting shapefiles from MapInfo to ArcMap. So, we may have numbers for the next meeting.
  - b. The Planning and Building departments have the capability to enter this, and additional, information into the AS400 system. We need to check how this can best be achieved, and if the new E-Plan or any other systems would affect this.
  - c. MapInfo is currently being phased out and ArcMap is being phased in to the City. Currently this info is only held in MapInfo, and only 2 City employees use MapInfo.
7. Annual presentation on 50% rule by Building Department
  - a. We are waiting the result of the CRS audit before determining whether the City can, or ought to, change to a 5 year instead of the present 10 year rule. The CRS audit score will enable us to calculate where we can change credits to allow for this, if it is deemed to be in the best interests of the City.
    - i. The 50% rule only affects Repetitive Loss and Severe Repetitive Loss properties, and properties within the SFHA that are built below the BFE.
    - ii. Grant money is available from FEMA for owners of Repetitive Loss and Severe Repetitive Loss structures to elevate the structure above the BFE.
    - iii. The 50% rule is based on the replacement value of the structure, not the Tax Appraiser's value.
    - iv. Planning trends indicate new owners demolishing and rebuilding on parcels instead of elevating and remodeling existing structures which are below the BFE. So, while the 50% rule is currently an issue, trends indicate the issue will diminish over time.
    - v. In evaluating the timeline of the 50% rule, is the City able to rewrite the ordinance to exempt wind and hurricane mitigation such as windows and roofs?

- b. Schedule presentations to the Building Industry Association BIA (contact John Mast). Mark Hawkins to introduce Frank O'Neill to John Mast.
  - c. Schedule a seminar for the Venice Area Board of realtors VABR, to include local builders, remodelers, engineers, Planning and Building departments, and FEMA appraisers. The committee agrees that people seem to know of the 50% rule, but there is confusion as to what it means, especially in conjunction with the City's 10 year rule.
8. We still do not have the result of our 2014 CRS audit.
- a. We anticipate receiving the final score before April. Upon receipt, the result will be emailed to all CRS committee members.
  - b. Currently anticipated to move from a 6 down to a 7, which would be a 5% increase in the flood insurance for local residents.
9. Scheduled outreach is up to date.
- a. See 7c, above. Add this as an annual outreach project.
10. New Business: Frank O'Neill will be leaving the Committee and will be replaced by Greg Schneider, Deputy Building Official.

Meeting Schedule 2015-2016			
Mtg #	Date	Time	Purpose
1	12/01/2015	8.30am – 9.30am	Regularly scheduled quarterly meeting
2	3/1/2016	8.30am – 9.30am	Regularly scheduled quarterly meeting
3	6/7/2016	8.30am – 9.30am	Regularly scheduled quarterly meeting
4	9/6/2016	8.30am – 9.30am	Update FMP

Motioned: Mark Hawkins      Seconded: Renee Halback  
Approved   X        Approved with comments \_\_\_\_\_  
July 19<sup>th</sup>, 2016

### **NOTICE OF MEETING**

The City of Venice Community Rating System (CRS) Committee shall meet on July 19, 2016, beginning at 8.30am until approximately 9.30am. The meeting will take place in The Development Service Conference Room, City Hall, 401 W. Venice Avenue, Venice, FL 34285. The purpose of this meeting is to implement, evaluate and revise the Floodplain Management Plan.

The public is invited to attend this meeting and be heard.

No stenographic record by a certified court reporter is made of this meeting nor will a verbatim record be prepared. Minutes will be written for the public record. Accordingly, any person who may seek to appeal any decision involving the matters noticed herein will be responsible for making a verbatim record of the testimony and evidence at this meeting upon which any appeal is based.

If you are disabled and need assistance, please contact the City Clerk's office at least 24 hours prior to the meeting.

**July 19<sup>th</sup>, 2016**  
**Meeting # 3, 2015-2016**

**AGENDA**

- Minutes from Meeting #2, March 1<sup>st</sup>, 2016  
Motioned: \_\_\_\_\_ Seconded: \_\_\_\_\_  
Approved \_\_\_\_\_ Approved with comments \_\_\_\_\_
  
- Sunshine Law Training
- CRS audit result
- Outreach programs
  - Topics and Messages
  - Outreach groups
  - Types of outreach
- Impervious Coverage
  - City regulations
  - Conversion from MapInfo
- 50% rule
  - Annual presentations on 50/50 rule by Building Official - Frank O'Neill
    - Building Industry Association (Contact: John Mast)
    - Seminar for Venice Area Board of Realtors
- New Flood Maps (DFIRMs)
- New Business

Meeting Schedule 2015-2016			
Mtg #	Date	Time	Purpose
1	12/01/2015	8.30am – 9.30am	Regularly scheduled meeting
2	3/1/2016	8.30am – 9.30am	Regularly scheduled meeting
3	6/7/2016	8.30am – 9.30am	Regularly scheduled meeting. Changed to 7-19-2016
4	9/6/2016	8.30am – 9.30am	Regularly scheduled meeting

Name	Affiliation	Email	Phone
RENEE HUBBARD	INSURANCE AGT	rene@shadesinsurance.com	941-485-2323
Robert Yoho	CGC, CMR, Mortgage	ryoho@damexcorp.com	941-626-9971
Mark Hawkins	Hawkins Const	hwnest@msn.com	941-650-9499
Kathleen Weeden	CITY OF Venice Engineering	on file	on 941-882-7409
Gillian Carey	City of Venice	gcarey@venicegov.com	941-882-7412
Frank O'Neill	City of Venice	FO'Neill@venicegov.com	941-882-7373
John Meyers	BHHS Florida Realty	jameyers@comcast.net	574-274-4689
Scott Pickett	COV	spickett@venicegov.com	882-7433
Mark Hampshire	Capital bank	Mark.hampshire@Capitalbank-us.com	412-2846
GREG SCHNEIDER	CITY OF VENICE	G.SCHNEIDER@VENICEGOV.COM	882-7374

### **NOTICE OF MEETING**

The City of Venice Community Rating System (CRS) Committee shall meet on September 20, 2016, beginning at 8.30am until approximately 9.30am. The meeting will take place in The Development Service Conference Room, City Hall, 401 W. Venice Avenue, Venice, FL 34285. The purpose of this meeting is to implement, evaluate and revise the Floodplain Management Plan.

The public is invited to attend this meeting and be heard.

No stenographic record by a certified court reporter is made of this meeting nor will a verbatim record be prepared. Minutes will be written for the public record. Accordingly, any person who may seek to appeal any decision involving the matters noticed herein will be responsible for making a verbatim record of the testimony and evidence at this meeting upon which any appeal is based.

If you are disabled and need assistance, please contact the City Clerk's office at least 24 hours prior to the meeting.

**September 20<sup>th</sup>, 2016**  
**Meeting # 4, 2015-2016**

**AGENDA**

- Minutes from Meeting #3, July 19<sup>th</sup>, 2016  
Motioned: \_\_\_\_\_ Seconded: \_\_\_\_\_  
Approved \_\_\_\_\_ Approved with comments \_\_\_\_\_
  
- Sunshine Law Training (Lori Stelzer & Kelly Fernandez)
- Annual Floodplain Management Plan report & update
- CRS audit review
- 50% rule
  - Proposed Ordinance change
    - Greg Schneider's report
  - Annual presentations on 50/50 rule by Building Official - Frank O'Neill
    - Building Industry Association (Contact: John Mast)
    - Seminar for Venice Area Board of Realtors
- New Business

Meeting Schedule 2015-2016			
Mtg #	Date	Time	Purpose
1	12/01/2015	8.30am – 9.30am	Regularly scheduled meeting
2	3/1/2016	8.30am – 9.30am	Regularly scheduled meeting
3	6/7/2016	8.30am – 9.30am	Regularly scheduled meeting
4	9/6/2016	8.30am – 9.30am	Regularly scheduled meeting

Tentative Meeting Schedule 2016-2017			
Mtg #	Date	Time	Purpose
1		8.30am – 9.30am	Regularly scheduled meeting
2		8.30am – 9.30am	Regularly scheduled meeting
3		8.30am – 9.30am	Regularly scheduled meeting
4		8.30am – 9.30am	Regularly scheduled meeting

July 19<sup>th</sup>, 2016  
Meeting # 3, 2015-2016

## MINUTES

**Present:** Kathleen Weeden, Mark Hawkins, Robert Yoho, Mark Hampshire, Scott Pickett, John Meyers, Renee Halback, Greg Schneider, and non-committee members Gillian Carney and Frank O'Neill.

**By Phone:**

**Absent:** Publix Super Markets – David Warring may be replacing Tim Adkins.

Kathleen Weeden called the meeting to order at 8.30am

1. Minutes from Meeting #2, March 1<sup>st</sup>, 2016  
Motioned: Mark Hawkins Seconded: Renee Halback  
Approved X Approved with comments \_\_\_\_\_
2. Kathleen called for introductions around the table.
3. Verified that all committee members received the agenda and draft minutes in the mail.
4. Sunshine Law Training
  - a. Will be put on the agenda, annually, for the September meeting so that all members remain in compliance.
5. CRS 2014 audit
  - a. Discussion of the CRS impact on the insurance rate for residents; City of Venice is remaining a class 6, therefore our residents receive a 20% discount on their premium.
6. Outreach programs
  - a. Can we add an outreach targeting only those in the SFHA?
  - b. Can we add an outreach / presentation to local insurance agents?
  - c. Can we map and do an outreach to owners of buildings with historical designations?
    - i. Work with James Hagler on this.
7. Impervious coverage mapping:
  - a. Currently impervious coverage info is only held in MapInfo, and only 2 City employees use MapInfo. MapInfo is currently being phased out and ArcMap is being phased in to the City. Gillian will import files when the ArcMap license changes.
8. 50% rule (Substantial Improvement / Substantial Damage)
  - a. Discussion on the points available from the CRS audit to enable the City to change the 50% rule. Currently the City has a 10 year rule.
    - i. The committee has asked Greg Schneider to write a report **on which the committee will vote at the next meeting.**
    - ii. Changes to include:
      1. 0 for safety aspects – Bldg. Dept. to detail safety items for exemption.
      2. 1 year for everything else.
      3. Code violations are exempt
      4. Should we be more concerned with fresh water flooding than surge?
    - iii. If the committee votes to change the 5% rule, a draft ordinance will need to be sent to FDEM for approval.
    - iv. If draft ordinance is accepted, the FMP will need to be updated, and scored. The revised PPI can also be scored and re-evaluated at this time.
    - v. Gillian to contact Craig Carpenter (ISO rep) to determine best procedure.

- b. Schedule presentations to the Building Industry Association BIA (contact John Mast). Mark Hawkins to introduce Frank O'Neill to John Mast.
9. September meeting date
  - a. Gillian to send out survey to all members to ascertain best meeting date for September.

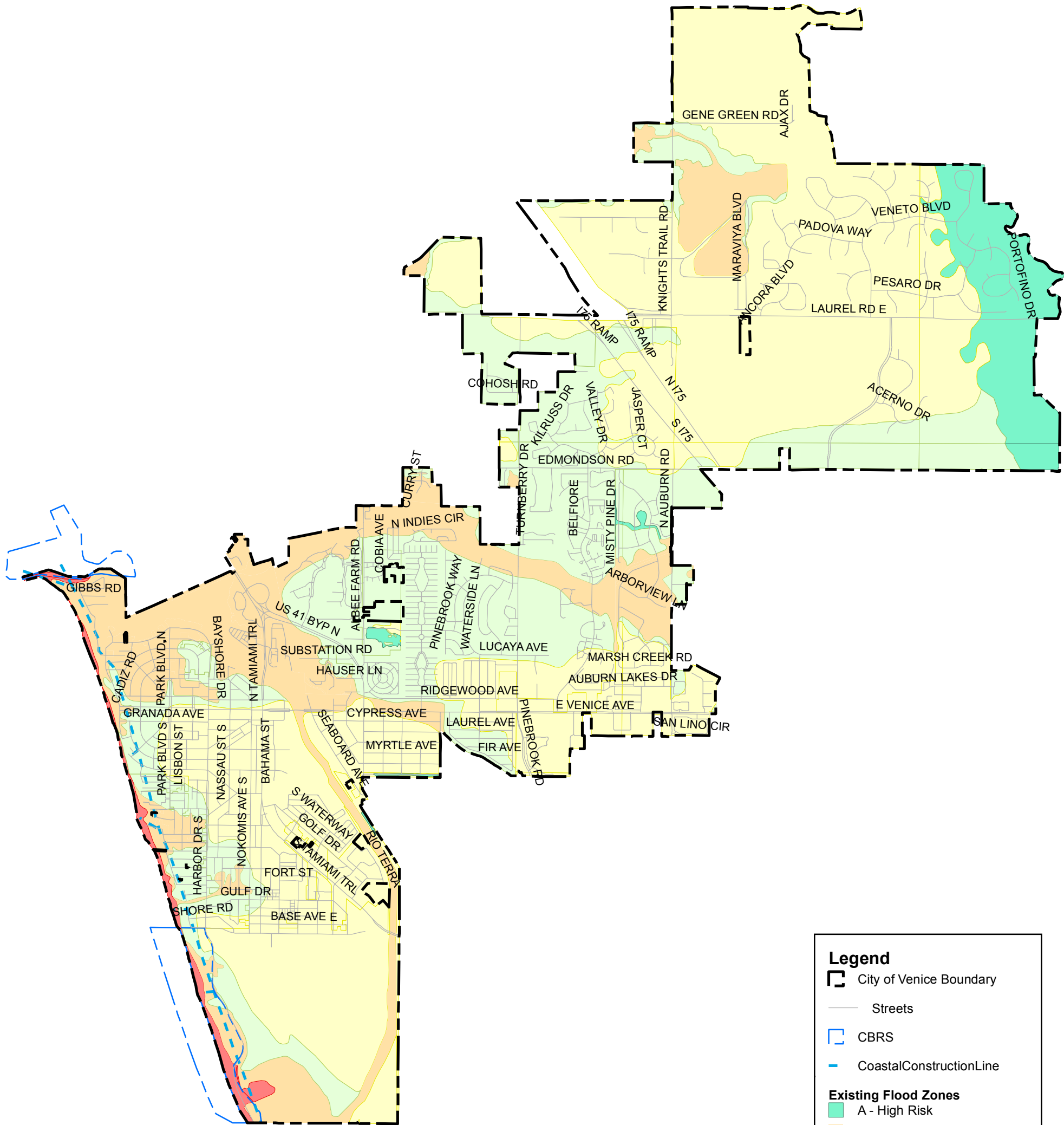
Meeting Schedule 2015-2016			
Mtg #	Date	Time	Purpose
1	12/01/2015	8.30am – 9.30am	Regularly scheduled quarterly meeting
2	3/1/2016	8.30am – 9.30am	Regularly scheduled quarterly meeting
3	6/7/2016	8.30am – 9.30am	Regularly scheduled quarterly meeting
4	9/06/2016	8.30am – 9.30am	Annual FMP report. Sunshine Law Training.

## **Appendix C**

### **Figures**



Insurable Buildings within the City of Venice	
Effective FIRM	# of Buildings
A	216
AE	1896
VE	17
X-SHADED	4761
X	5064



**Disclaimer:**  
This map is provided for general reference only and is subject to change. It is not warranted for any particular use or purpose. The City of Venice makes no warranty, representation, or guaranty, expressed or implied, as to the content, sequence, accuracy, timeliness, or completeness of any of the data provided herein. The City of Venice assumes no responsibility whatsoever for errors, omissions or liability in connection with the use of this map.

**Legend**

City of Venice Boundary

Streets

CBRS

CoastalConstructionLine

**Existing Flood Zones**

A - High Risk

AE - High Risk

VE - High Risk

X500 - Moderate-to-Low Risk

X - Low Risk

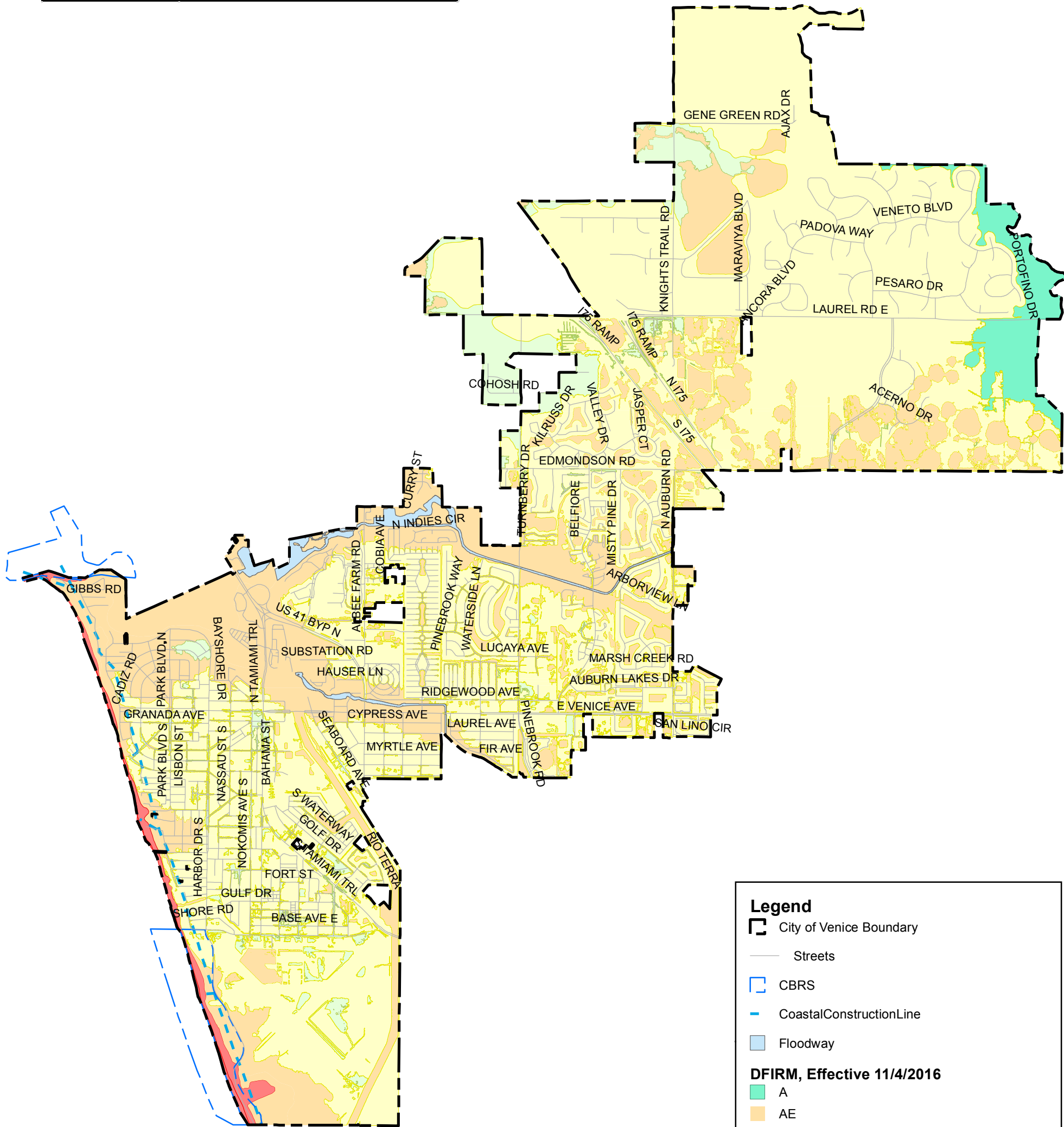
Date: 9/6/2016  
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City of Venice  
Effective FIRM  
September 2016



Insurable Buildings within the City of Venice	
DFIRM (Effective 11/4/2016)	# of Buildings
A	3
AE	2182
VE	21
X SHADED	302
X	9504



Disclaimer:  
This map is provided for general reference only and is subject to change.  
It is not warranted for any particular use or purpose. The City of Venice  
makes no warranty, representation, or guaranty, expressed or implied, as to  
the content, sequence, accuracy, timeliness, or completeness of any of the  
data provided herein. The City of Venice assumes no responsibility whatsoever  
for errors, omissions or liability in connection with the use of this map.

**Legend**

City of Venice Boundary

Streets

CBRS

CoastalConstructionLine

Floodway

**DFIRM, Effective 11/4/2016**

A

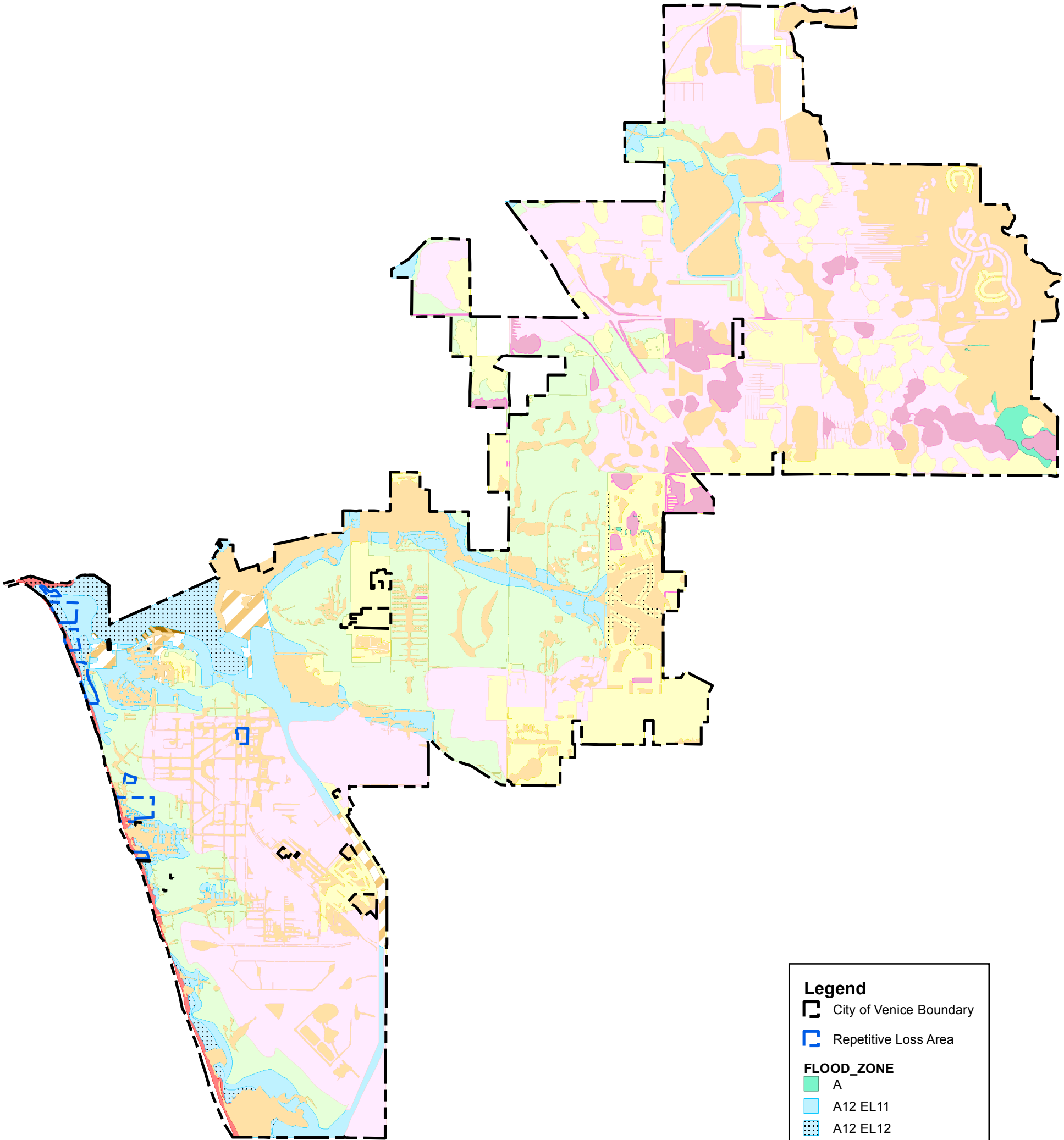
AE

VE

X

0.2 PCT ANNUAL CHANCE FLOOD HAZARD



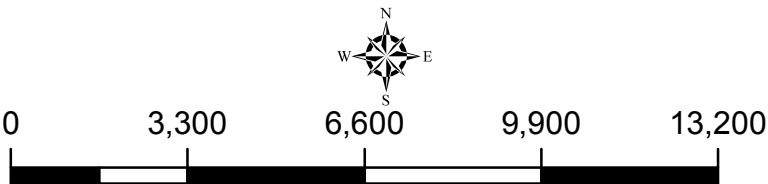


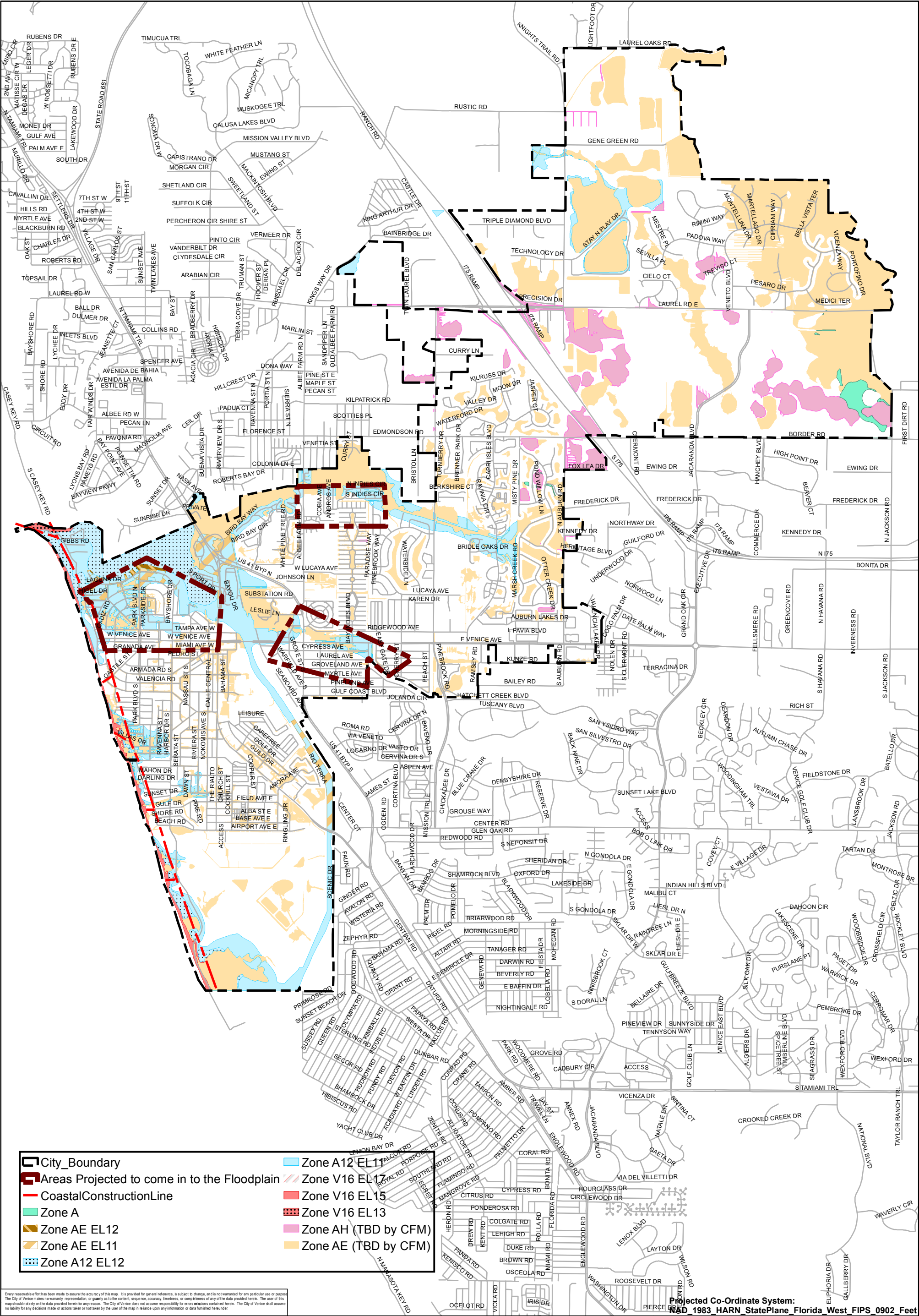
**Disclaimer:**  
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Date: 9/2/2016  
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User: graham Date Saved to new Location and Printed: No Rev. Made to Flood: 9/1/2016 11:51:08 AM



# City of Venice Repetitive Loss Areas September 2016





Every reasonable effort has been made to assure the accuracy of this map. It is provided for general reference, is subject to change, and is not warranted for any particular use or purpose. The City of Venice makes no warranty, representation, or guaranty as to the content, sequence, accuracy, timeliness, or completeness of any of the data provided herein. The user of this map should not rely on the data provided herein for any reason. The City of Venice does not assume responsibility for errors or omissions contained herein. The City of Venice shall assume no liability for any decisions made or actions taken or not taken by the user of the map in reliance upon any information or data furnished hereunder.

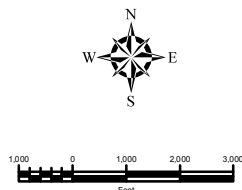
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User: gpanney Date Saved to new Location and Printed: No Rev. Made to Flood: 9/4/2015 2:56:53 PM



# City of Venice Insurance Information Target Map



## **Appendix D**

### **LMS Update 2016-2017**

**The Sarasota County Local Mitigation Strategy (LMS) Work Group Project List**

Priority note 1	Name of Project	Description of Project	Hazard Mitigated note 2	Hazard Mitigation Strategy note 3	Mitigation Goals Achieved note 4	Funding Source	Jurisdiction Project Benefit note 5	Jurisdiction Project Owner note 5	Jurisdiction Project #	Agency Responsible for Implement	Estimated Cost	Project Status note 6						Timeframe for Project Completion	Mitigate New or Existing (N/E)
												New	Completed	In Progress	Deleted	Deferred	If Deferred Why?		
High	Public Outreach	Public outreach programs for all jurisdictions	ALL	ALL	3	N/A	ALL	ALL	N/A	LMS Work Group	\$10K			✓				Continuous	E
Medium	South County Alligator Creek	Improve quality of stormwater	2,7,9,11	6	2	C.I.P.	3,4	SCG	75502	Capital Mgmt.	\$1.5M			✓				FY16	E
Medium	Englewood Interstate Connector	Raise roadbed, add traffic lanes for evacuation route	ALL	5	2	C.I.P.	ALL	SCG	95760	Capital Mgmt.	\$28M			✓				As funding is available	E
Medium	Alligator Creek Phase 1 & 2	Pipe and swale improvements	2,7,9,11	6	2	C.I.P.	3,4	SCG	85872	Capital Mgmt.	\$3M			✓				FY14	E
Medium	Country Woods	Rehabilitate existing drainage	2,7,9,11	6	2	C.I.P.	4	SCG	75841	Capital Mgmt.	\$600K			✓				FY14	E
N/A	Asset & Infrastructure Mgmt. System	Protect critical infrastructure through technology	ALL	5	2	C.I.P.	ALL	SCG	75832	Env. Services	\$6.9M					✓	Funding	As funding is available	E
Medium	Colonial Gables	Rehabilitate existing drainage	2,7,9,11	6	2	C.I.P.	4	SCG	75843	Capital Mgmt.	\$620K			✓				FY14	E
Medium	Beach Road Drainage Improvements	Rehabilitate existing drainage	2,7,9,11	6	2	C.I.P.	ALL	SCG	75803	Capital Mgmt.	\$2.8M			✓				FY15	E
Low	Repetitive Loss Program	FEMA guidelines	1,2,3,6,7,9,11	1,2,3,5,6,7,8	1	N/A	4	SCG SRQ	N/A	Env. Services	N/A			✓				Continuous	E
High	911/EOC Center	Construct new building	ALL	5	5	C.I.P.	ALL	SCG	84330	Capital Mgmt.	\$19M			✓				FY14	N
Medium	Fire Station 12	Remove and replace current fire station	ALL	5	5	C.I.P.	ALL	SCG	84350	Capital Mgmt.	\$4M			✓				FY15	E
Medium	Fire Station 14	Remove and replace current fire station	ALL	5	5	C.I.P.	ALL	SCG	84332	Capital Mgmt.	\$4M			✓				FY15	E
Medium	Fire Station 19	Remove and replace current fire station	ALL	5	5	C.I.P.	ALL	SCG	84346	Capital Mgmt.	\$4M					✓	Funding	As funding is available	E
Medium	Fire Station 16	Remove and replace current fire station	ALL	5	5	C.I.P.	ALL	SCG	84334	Capital Mgmt.	\$7M			✓				FY15	E
Medium	Fire Station 17	Construct new building	ALL	5	5	C.I.P.	ALL	SCG	84353	Capital Mgmt.	\$4.3M			✓				FY15	N
Medium	Fire Station 9	Construct new building	ALL	5	5	C.I.P.	ALL	SCG	84340	Capital Mgmt.	\$4.5M	✓				✓	Funding	As funding is available	N
High	North Beach Road	Public Access and Shore Line Protection	1,2,7,8,9,10 to 15	1,4,5,6	1 to 5	C.I.P.	ALL	SCG	37340123	Public Works	\$2M			✓				2013-2014	N
Medium	Fire Station 27	Construct new building	ALL	5	5	C.I.P.	ALL	SCG	84340	Capital Mgmt.	\$4.5M	✓				✓	Funding	As funding is available	N
High	Storage Tank conversion to an EOC	Assessing the feasibility for the adaptive reuse of infrastructure	ALL	2	5	N/A	ALL	SRQ	N/A	Public Works	\$1.75M				✓			FY13	E
High	Hardening of City Hall	Wind retrofit, shutters	2,8,9,11,12,15	2	5	C.I.P.	2,4	SRQ	GS-05.0	Public Works	\$647K			✓				FY15	E
Medium	Reconstruction of Failing Seawalls	Reconstruct existing seawalls City-wide	1,2,7,9,11	5	2	Penny Sales Tax	ALL	SRQ	RP-18.0	Public Works	\$325K			✓				FY15	E
Medium	12th Street Complex upgrade	Construct new building	ALL	5	5	Penny Sales Tax	2,4	SRQ	WU-50.0	Public Works	\$1.1M			✓				FY15	E
High	Stormwater Utility Projects	Construct improvement to existing storm drainage system	2,7,9,11	6	2	Penny Sales Tax	2,4	SRQ	SU-02.0	Public Works	\$5.2M			✓				FY15	E
Medium	Indian Beach Stormwater Project	Make enhancements to existing Storm drainage system (Bio)	2,7,9,11	6	2	C.I.P.	2	SRQ	SU-03.0	Public Works	\$3.8M			✓				FY15	E
High	City-wide Traffic Signalization	Replace wire line attachment with mast	2,8,9,11,12,15	2	5	Penny Sales Tax	ALL	SRQ	EN-20.0	Public Works	\$2M			✓				FY15	E
Medium	Bird Key Bridge Rehabilitate	Assess existing conditions and make necessary repairs	ALL	5	2	Penny Sales Tax	2,4,7	SRQ	EN-51.0	Public Works	\$4.8M			✓				FY14	E
High	Coon Key Utility Line Undergrounding	Remove overhead power lines and install underground	2,8,9,11,12,15	5	5	Penny Sales Tax	2,4	SRQ	EN-118.0	Public Works	\$1.2M			✓				FY14	E
Medium	Clean-up of the MLK Brownfield	Cleanup & Remediation of spoils and the use of it as a landfill	7	8	4	Penny Sales Tax	2,4	SRQ	RD-11.0	Public Works	\$4.9M			✓				FY15	E

**The Sarasota County Local Mitigation Strategy (LMS) Work Group Project List**

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												New	Completed	In Progress	Deleted	Deferred	If Deferred Why?		
Medium	Lift Station 87 & 13	Relocate and construct new lift station	ALL	5	5	Revenue Bonds	2	SRQ	WU-46	Utilities	\$8.5M			✓				FY17	E
Medium	Rehabilitate lift stations 9 & 17	Rehabilitate lift stations 9 & 17	ALL	5	5	Revenue Bonds	2	SRQ	WU-46.1	Utilities	\$3M		✓					FY13	E
Medium	Indian Beach Park Shore Stabilization	Install GEO Web Mat	ALL	5	4	Penny Sales Tax	ALL	SRQ	RP-57	Public Works	\$150K		✓					FY13	E
High	Police Dept. Relocate and EOC construction	Reconstruct PD facility to include City Command EOC	2, 7, 8, 9,11, 12, 15	2	5	N/A	ALL	V	1V	Police	\$16M					✓	Funding		E
Medium	Relocate Fire Station #2	Construct new fire station outside flood zone	2, 7, 8, 9,11, 12, 15	2	5	N/A	ALL	V	3V	Fire	\$5M					✓	Funding		E
Medium	Directional signs for island evacuation	Acquire four signs for three bridges and roadways	2, 7, 8, 9,11, 12, 15	5	4	N/A	3,4	V	6V	Public Works	\$60K					✓	Funding		E
Low	City Hall generator and computer vehicle	Emergency operations for city communications	2, 7, 8, 9,11, 12, 15	2	5	N/A	3,4	V	7V	City Hall	\$500K					✓	Funding		E
Low	Relocate PW to PD after new PD complete	Harden Structure and retrofit for PW Admin.	2, 7, 8, 9,11, 12, 15	2	5	N/A	3	V	8V	Public Works	\$4M					✓	Funding		E
Low	25-GPS units for city departments	Provide tracking of critical facilities in emergency	2, 7, 8, 9,11, 12, 15	5	5	N/A	3,4	V	12V	Utilities	\$6K					✓	Funding		E
High	Radio upgrade for the city department	Provide optimum radio communications	2, 7, 8, 9,11, 12, 15	5	5	NA	ALL	V	21V	Utilities, Fire, Police, PW	\$490K					✓	Funding		E
Low	Second House Program	Partner coastal with inland residents during emergencies	2, 7, 8, 9,11, 12, 15	5	1	N/A	3	V	23V	City Hall	\$10K					✓	Funding		E
Low	Relocate 7 west production wells	Construct out of flood prone area	2,7,9,11	2	5	N/A	ALL	V	24V	Utilities	\$3.5M					✓	Funding		E
Low	Relocate water plant elevated tank	Upgrade support system to prevent against flood and wind	2,7,9,11, 12,15	2	5	N/A	ALL	V	26V	Utilities	\$725K					✓	Funding		E
Low	Upgrade Chuck Reiter elevated tank	Upgrade support system to prevent against flood and wind	2,7,9,11, 12,15	2	5	N/A	ALL	V	27V	Utilities	\$76K					✓	Funding		E
Low	Modify Pinebrook booster station	Waterproof and upgrade communication system	2, 7, 8, 9,11, 12, 15	2	5	N/A	ALL	V	28V	Utilities	\$50K					✓	Funding		E
Low	Coastal Area Redevelopment Study	Post disaster study	2, 7, 8, 9,11, 12, 15	5	2	N/A	ALL	V	29V	Dev. Service	\$50K					✓	Funding		E
Low	Coastal Compliance Program	Public education for retrofit and construction activities	2, 7, 8, 9,11, 12, 15	5	3	N/A	3	V	30V	Building	\$30K					✓	Funding		E
High	Island Basin SW Improvement	Evaluate and Install box culverts and Flamingo Ditch	2,7,9,11	6	2	SWFWMD, City	ALL	V	31V	Stormwater	\$1.6M		✓					FY14	E
High	Deertown Gully Construction	Study Deertown Gully area and construct mitigation	2,7,9,11	6	2	CIP, SWFWMD	ALL	V	33V	Engineering	\$2M		✓					FY14	E
High	Island Basin SW Improvement Program	Improvements to Outfall 13	2,7,9,11	6	2	CIP	3	V	35V	Engineering	\$750K				✓			FY15	E
Medium	Coastal Land Acquisition Program	Purchase properties and preserve for open space	2,7,9,11	1	4	N/A	3	V	36V	Engineering	\$425K					✓	Funding		E
High	Island Basin SW Improvement Program	Design and replace pipes at outfall 12 Laguna/Osprey	2,7,9,11	6	2	CIP	3	V	37V	Engineering	\$2.3M					✓	Funding		E
Medium	Island Basin SW Improvement Program	Replace pipes at Aldea Mar	2,7,9,11	6	2	CIP	3	V	38V	Engineering	\$100K				✓				E
Low	Relocate RO Water Plant	Construct facility out of the flood zone	2,7,9,11	2	5	N/A	ALL	V	42V	Utilities	\$40M					✓	Funding		E
Medium	Sanitary Sewer Project	Rehab sanitary system to prevent inflow into ground/sw system	2,7,9,11	2	5	N/A	ALL	V	43V	Utilities	\$350K					✓	Funding		E

**The Sarasota County Local Mitigation Strategy (LMS) Work Group Project List**

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												New	Completed	In Progress	Deleted	Deferred	If Deferred Why?		
Low	Eastside 1MGD storage tank and pumps	Provide service to east side of town	2,7,9,11,12,15	2	5	N/A	3	V	44V	Utilities	\$1.5M					✓	Funding		E
Low	Venice Evacuation Study	Study to address the need for hurricane shelters in city	2,7,8,9,11,12,14,15	5	1	N/A	ALL	V	50V	Planning	\$50K					✓	Funding		E
High	Fire Station 1 Replacement	In flood zone, rebuild to code	2,7,9,11,12,15	3	5	N/A	ALL	V	55V	Fire	\$5M					✓	Funding		E
High	Relocate PW to PD after new PD complete	Harden Structure and retrofit for PW Admin.	2, 9, 11,12, 15	2	5	N/A	3	V	57V	Public Works	\$4M					✓	Funding		E
Medium	Airport Generator	Provide adequate energy for airport operations	2,7,8,9,11,12,15	2	5	N/A	ALL	V	58V	Airport	\$500K					✓	Funding		E
Medium	Airport Ramp and Apron Lighting	Provide adequate lighting during disasters	2,7,8,9,11,12,15	2	5	N/A	ALL	V	59V	Airport	\$1M					✓	Funding		E
Medium	Storm shutters for Airport buildings	Wind protection during hurricanes	2,8,9,11,12,15	2	5	N/A	ALL	V	60V	Airport	\$150K					✓	Funding		E
Low	Hurricane Tolerant Handbook	Update the 1994 hurricane study	9	5	3	N/A	ALL	V	61V	Planning	\$15K					✓	Funding		E
High	New Public Works Complex	Built before hurricane code move to east side of town	2,7,8,9,11,12,15	2	5	N/A	ALL	V	62V	Public Works	\$8M					✓	Funding		E
High	Remove Invasive Species	Prevent infrastructure damage during high winds	2,8,9,11,12,14,15	4	4	N/A	3,4	V	63V	Public Works	\$75K					✓	Funding		E
Medium	Purchase Portable Generators for Lift Station	Provide emergency back up power outage	2,7,8,9,11,12,15	5	1	N/A	ALL	V	64V	Utilities	\$450K					✓	Funding		E
Medium	Hurricane Shutters for Water Plant	Secure building for hurricanes	9,12,15	2	5	N/A	ALL	V	65V	Utilities	\$32K					✓	Funding		E
High	City Hall Reroof	Roof not built to code and condition is deteriorating	2,7,9,11,12,15	2	5	N/A	ALL	V	66V	Public Works	\$600K					✓	Funding		E
Medium	Sanitary Sewer Project	Rehab sanitary manholes to prevent infiltration into system	2, 7, 9	5	5	N/A	3	V	68V	Utilities	\$5.5M					✓	Funding		E
Low	2nd sanitary force main under Intracoastal	Add a secondary force main to add to secondary redundancy	2, 7, 9	5	5	N/A	3	V	69V	Utilities	\$500K								E
Low	2nd sanitary force main under I-75	Add a secondary force main to add to secondary redundancy	2, 7, 9	5	5	N/A	3	V	70V	Utilities	\$500K					✓	Funding		E
High	Venice beach Outfall 1 Alhambra Outfall 2	Stormwater diversion to provide treatment and protection.	2, 7, 9, 11	6	2, 4	City Grants	3	V	71V	Engineering	\$500K		✓					2015	E
High	Hatchett Creek Restoration	Remove cement and invasive species on creek bed	2, 7, 9, 11	4, 6	1, 2, 4	County Grants	3, 4	V	72V	Engineering	\$300K		✓					2015	E
Medium	Venice Communication Enhancement Utilities	Install fiber optic cable in existing and extended conduit	2, 7, 9, 11,12, 15	5	1	N/A	3	V	73V	Utilities	\$750K		✓					2016	E
High	Westgate Drainage	Stormwater pump improvement flood protection	2, 7, 9, 11	6	2, 4	City / Grants	3	V	74V	Engineering	\$1M		✓					2016	E
High	Reinforce Airport Hangars	Reinforce existing airport to meet hurricane standards	2, 7, 9, 11,12,15	2	2, 5	City / Grants	3	V	75V	Airport	\$1M	✓							N
High	Construct New T-Hangars	Construct new T-Hangars meeting hurricane standards	2, 7, 9, 11,12,15	5	2	City / Grants	3	V	76V	Airport	\$1.5M	✓							N
High	Replace Airport Admin. Building	Replace existing Airport Admin. Building to meet hurricane stds.	2, 7, 9, 11,12,15	5	2	City / Grants	3	V	77V	Airport	\$1M			✓				2019	E
High	Relocate Airport Maintenance Facility	Relocate existing Airport Maint. Facility to meet hurricane stds.	2, 7, 9, 11,12,15	5	2	City / Grants	3	V	78V	Airport	\$650K	✓							N
High	Airport Avenue Drainage Project	Upgrade existing drainage facilities to mitigate flood in evacuation route	2,7,9,11	6	2	City / Grants	3	V	79V	Engineering	\$700K	✓							N
Medium	Live Oak Dr. Stormwater Improvements	Upsize existing stormwater pipes to reduce flooding	2,7,9,11	6	2	CIP/ Grants	3	V	80V	Engineering	\$400K					✓	Funding		E
Medium	Nokomis Ave. South Stormwater	Upsize existing stormwater pipes to reduce flooding	2,7,9,11	6	2	SRF/ Grants	3	V	81V	Engineering	\$1.1M					✓	Funding		E
Medium	Outfall 9 Improvement	Study the drainage basin and increase the infiltration pond size	2,7,9,11	6	2	CIP/ Grants	3	V	82V	Engineering	\$500K					✓	Funding		E

**The Sarasota County Local Mitigation Strategy (LMS) Work Group Project List**

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												New	Completed	In Progress	Deleted	Deferred			If Deferred Why?
Medium	Golf Dr. Stormwater Improvements	Upsize existing stormwater pipes to reduce flooding	2,7,9,11	6	2	CIP/ Grants	3	V	83V	Engineering	\$750K					✓	Funding		E
High	Airport Northeast Drainage Project	Upsize existing stormwater pipes to reduce flooding	2,7,9,11	6	2	CIP/ Grants	3	V	84V	Airport	\$750K					✓	Funding		N
High	Relocate PW to PD after new PD complete	Harden Structure and retrofit for PW Admin.	2, 7, 9, 11,12,15	2	5	N/A	3	V	85V	Public Works	\$4M					✓	Funding		E
Medium	Beach Erosion Hot Spot Alternatives	Alternate erosion evaluation and construction	1,2,7,9	5	5	Grants	3	V	86V	Engineering	\$4M	✓					Funding		N
High	Public Works Facility	Construct joint use facility	ALL	2, 3	5	MCF / HMGP	ALL	NP	F10FMC	Public Works	\$6.4M		✓					2013	E
Medium	Design replacement for flood control structure #125	Corroded Structure Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$60K					✓	Funding		E
Medium	Hardening of water & sewer utility structures	Upgrade utility structures at bridge crossings, etc.	ALL	5	5	UR / HMGP	ALL	NP	N/A	Utilities	\$600K					✓	Funding	2016	E
High	Purchase lots along the Myakkahatchee Creek	Purchase lots to reduce flood vulnerability	ALL	1	2, 4	FDEP / HMGP	1, 4	NP	N/A	NDS	\$1.2M					✓	Funding	As funding is available	E
Medium	Carlton Tract Bridge	Install bridge in order to decrease response time	ALL	5	5	CIP / HMGP	1,4	NP	N/A	Fire Rescue	\$750K					✓	Funding	N/A	E
High	City Hall EOC	Build-out to accommodate emergency operations center to include showers, and back-up emergency power to entire bldg.	ALL	2	5	HMGP /	ALL	NP	N/A	Emergency Mgmt.	\$750K					✓	Funding	As funding is available	E
High	Repair flood control gate #131	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$9.5K		✓					2013	E
High	Replace flood control gate #133	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$460K			✓				2014	E
High	Replace flood control gate #139	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$488K		✓					2013	E
High	Design replacement for flood control structure #101	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA / SWFWMD	1,4	NP	N/A	Public Works	\$100K		✓					2013	E
High	Construct replacement for flood control structure #101	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA / SWFWMD	1,4	NP	N/A	Public Works	\$1.2M			✓				2014	E
High	Design replacement for flood control structure #108	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$70K					✓	Funding	2017	E
High	Repair flood control structure #128	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$9.5K		✓					2013	E
Medium	Design replacement for flood control structure #161	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$60K					✓	Funding	As funding is available	E
Medium	Design replacement for flood control structure #124	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$60K					✓	Funding	As funding is available	E
Medium	Design replacement for flood control structure #112	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$60K					✓	Funding	As funding is available	E
Medium	Design replacement for flood control structure #157	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$60K					✓	Funding	As funding is available	E
Medium	Design replacement for flood control structure #116	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$60K					✓	Funding	As funding is available	E
Medium	Design replacement for flood control structure #121	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$60K					✓	Funding	As funding is available	E
High	Design replacement for flood control structure #114	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$70K					✓	Funding	2018	E

**The Sarasota County Local Mitigation Strategy (LMS) Work Group Project List**

Priority note 1	Name of Project	Description of Project	Hazard Mitigated note 2	Hazard Mitigation Strategy note 3	Mitigation Goals Achieved note 4	Funding Source	Jurisdiction Project Benefit note 5	Jurisdiction Project Owner note 5	Jurisdiction Project #	Agency Responsible for Implement	Estimated Cost	Project Status note 6						Timeframe for Project Completion	Mitigate New or Existing (N/E)
												New	Completed	In Progress	Deleted	Deferred	If Deferred Why?		
High	Design replacement for flood control structure #113	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$120K					✓	Funding	2015	E
High	Construct replacement for flood control structure #113	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$1.5M					✓	Funding	2016	E
High	Design replacement for flood control structure #115	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$70K			✓				2014	E
High	Construct replacement for flood control structure #115	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$700K					✓	Funding	2015	E
High	Public Works Admin R&D and Solid Waste	Replace buildings with hardened structures	ALL	2, 3	5	RDA	ALL	NP	N/A	Public Works	\$6.28M	✓				✓	Funding	As funding is available	N
High	Pipe Lining on Major outfalls	CMP pipes that are difficult to replace can be lined	ALL	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$1M	✓				✓	Funding	As funding is available	N
High	Design replacement for flood control structure #106	Corroded Structure Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$120K					✓	Funding	2016	E
High	Design replacement for flood structure #ST1, ST2, ST3	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$90K					✓	Funding	2019	E
Low	4 Lane Price Blvd Biscayne to Haberland	Four-lane and elevate roadway.	ALL	5	5	Surtax II / HMGP	ALL	NP	N/A	Public Works	\$120M					✓	Level of	2035	E
High	Phase III, A widening Sumter Blvd	Four-lane and elevate roadway.	ALL	5	5	TIF / ARRA	ALL	NP	R07SB3	Public Works	\$14M			✓				2014	E
High	Construct replacement for flood control structure #114	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$700K					✓	Funding	2019	E
Medium	Construct replacement for flood control structure #121	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$500K					✓	Funding	As funding is available	E
Medium	Construct replacement for flood control structure #116	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$500K					✓	Funding	As funding is available	E
Medium	Construct replacement for flood control structure #157	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$500K					✓	Funding	As funding is available	E
Medium	Construct replacement for flood control structure #112	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$500K					✓	Funding	As funding is available	E
Medium	Construct replacement for flood control structure #124	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$500K					✓	Funding	As funding is available	E
Medium	Construct replacement for flood control structure #161	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$500K					✓	Funding	As funding is available	E
High	Construct replacement for flood control structure #108	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$700K					✓	Funding	2018	E
High	Construct replacement for flood control structure #106	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$1.5M					✓	Funding	2017	E
High	Construct replacement for flood structure #ST1, ST2, ST3	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$1M					✓	Funding	2020	E
Medium	Construct replacement for flood control structure #125	Corroded Structure. Need to rehab, replace for flood protection	2, 3, 6, 7,9,11	2, 5, 6, 7	1, 2, 5	RDA	1,4	NP	N/A	Public Works	\$500K					✓	Funding	As funding is available	E
High	Lift Station E renovations	Upgrade motors, controls, roof & exterior of building	ALL	2	5	CIP / HMGP	7	LBK	LBK4	Public Works	\$700K			Bid opens				2014	E

**The Sarasota County Local Mitigation Strategy (LMS) Work Group Project List**

Priority note 1	Name of Project	Description of Project	Hazard Mitigated note 2	Hazard Mitigation Strategy note 3	Mitigation Goals Achieved note 4	Funding Source	Jurisdiction Project Benefit note 5	Jurisdiction Project Owner note 5	Jurisdiction Project #	Agency Responsible for Implement	Estimated Cost	Project Status note 6						Timeframe for Project Completion	Mitigate New or Existing (N/E)
												New	Completed	In Progress	Deleted	Deferred	If Deferred Why?		
N/A	Streets and Drainage Improvements	Provide additional drainage & retention in suitable locations	5	1	5	CIP / HMGP	7	LBK	LBK9	Public Works	\$600K		\$128K			✓	Funding	2013 - 2016	E
N/A	Purchase Generators	Reduce dependency on rental equipment	ALL	5	ALL	CIP / HMGP	ALL	LBK	LBK13	Public Works	\$145K			\$35K		✓	Funding	2013 - 2015	E
High	North Shore Groins	Reduce beach erosion	1	4	4	CIP / HMGP	2,3,4,7	LBK	LBK18	Public Works	\$6.5M			Permitting			Permitting	2014-2015	E
High	North Potable Water Connection	Replace existing potable water connection to community	ALL	5	ALL	CIP / HMGP	ALL	LBK	LBK19	Public Works	\$1.2M			✓				2015	E
Medium	South Fire Station 92	Remove and replace current fire station	ALL	5	ALL	CIP / HMGP	ALL	LBK	LBK20	Public Works	\$1.2M			✓		✓	Funding	2016-2017	E
High	Wastewater Force Main	Replace existing wastewater connection to Manatee County	4	4	All	CIP / HMGP	ALL	LBK	LBK21	Public Works	\$14M			✓				2015-2016	E
High	Siesta Key Master Pump Station	Master pump station to transfer flow off island	2,7,9,11,12,15	3	5	CIP / HMGP	1	SCG	55995	Capital Mgmt.	\$3M	✓						2015	N

**Note 1**

Priority- Priority ranking is determined by the Hazard Mitigation Project Evaluation Criteria Worksheet. The project priority is rated in the following table.

Priority	Project Score
High	21 - 28
Medium	11 - 20
Low	0 - 10
N/A	Deferred or Completed

**Note 2**

Hazard	Number	Hazard	Number
Coastal Erosion	1	Hurricane	9
Coastal Storm	2	Land Subsidence	10
Dam Failure	3	Seasonal Severe Weather	11
Drought	4	Tornado	12
Earthquake	5	Tsunami	13
Levee Failure	6	Wildfire	14
Flood	7	Windstorm	15
Hailstorm	8	Deleted Project	N/A

**Note 3**

The Hazard Mitigation Strategy is based upon Goal 2, Objective 1 of the Local Hazard Mitigation Goals and is described in the following table.

Hazard Mitigated	Description
1	Acquisition of hazard prone property & conversion to open space
2	Retrofitting existing buildings and facilities
3	Elevation of flood prone structures
4	Vegetative management & soil stabilization
5	Infrastructure protection measures
6	Stormwater management
7	Minor structural flood control projects
8	Post-disaster code enforcement activities

**Note 4**

The Mitigation Goals Achieved are described in the following table and are based upon Goal 2 and Goal 4 of the Local Hazard Mitigation Goals within the Mitigation Strategy section of the basic plan.

Mitigation Goal Achieved	Description
1	Prevention
2	Property Protection
3	Public Education and Awareness
4	Natural Resource Protection
5	Structural Protection
N/A	Deleted

**Note 5**

The jurisdiction abbreviation is described in the following table.

Jurisdiction	Abbreviation	Number
City of North Port	NP	1
City of Sarasota	SRQ	2
City of Venice	V	3
Sarasota County Government	SCG	4
Sarasota County Schools	SCS	5
Sarasota Memorial Hospital	SMH	6
Town of Longboat Key	LBK	7
Deleted	N/A	N/A

**Note 6**

The project status is described in the following table.

Project Status	Description
New	Project added from previous project list submission
Complete	Project completed during period or construction has begun from previous project list submission
In-Progress	Project is in design and no construction has begun
Deleted	Project will be identified as deleted and remain on the project list for one annual cycle of reporting for administrative continuity of project tracking for local, state, and Federal agencies.
Deferred	Project is being deferred by jurisdiction

## **Appendix E**

### **PPI Schedule and Outreach Templates**

Annual PPI Schedule													
Item	Project	Oct	Nov	Dec	Jan	Feb	Marc	Apr	May	June	Jul	Aug	Sept
1	FEMA brochures in the Engineering office	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check
2	FEMA brochures in City Hall Lobby	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check
3	FEMA brochures in the Venice library	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check
4	City website (check links & update with news)	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check
5	FEMA F-683 (why you need flood insurance) in building Dept.	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check
6	FEMA brochures to Latin supermarket	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check
7	Flood protection information flyer mailed in Utility Bill				Check with Utility Billing Coordinator for numbers (double for year). Send flyer to Ed McCrane or printers.			Michelle Newman to mail in 3 mailings				Michelle Newman to mail in 3 mailings	
8	FEMA F-696 to Venice Board of Realtors (Deliver with OP16)										Take brochures		
9	Citywide Hurricane Seminar							Marketing & Communications Officer arranges and advertises on website. Have *brochures at seminar.	25th				
10	HOA Targeted mailing						Send to printer	Mail					
11	Insurance mailing + F683						Mail						
12	Realtor mailing + Hazard insert						Mail						
13*	Sarasota County Disaster Planning Guide	Check	Check						Check	Check	Check	Check	Check
14	Repetitive loss mailing								Send to Printer	Mail			
15	Insurance mailing + FEMA 217												Mail
16	Flood presentation to Venice Board of Realtors										16th	Schedule for next year	
17	Flooding questionnaire	On City website	On City website	On City website	On City website	On City website	On City website	On City website	On City website	On City website	On City website	On City website	On City website
18*	Publix brochure (preparing for a hurricane)	Check	Check						Check	Check	Check	Check	Check
19*	City of Venice Hurricane Guide	Check	Check						Check	Check	Check	Check	Check
20	Forwarded FEMA web training emails to Insurance Agents	Forward	Forward	Forward	Forward	Forward	Forward	Forward	Forward	Forward	Forward	Forward	Forward
21*	Tamp Bay Hurricane Guide	Check	Check						Check	Check	Check	Check	Check
22	Publicity email & annual CoderED test							Set test date. Send out email.	Test	Get numbers			
23	Library flyer (FIRMS and CoderED)							Take flyer to library					
24	Joint LMS presentations												
25	Florida Division of Emergency management: Severe weather Awareness Guide. Printed and taken to library, Chamber of Commerce and City Hall lobby.	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check
26*	FPL - Preparing for a storm	Check	Check						Check	Check	Check	Check	Check
27	CERT - Quick guide to floodplain Management in Florida (in reference section of library)	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check
28*	LOWES Hurricane Guide	Check	Check						Check	Check	Check	Check	Check
29	City of Venice NPDES flyer in Utiity bills - Understanding stormwater and the Environment.	Give to mailing room											Send to printers
30	City brochure - About the Mandatory purchase of Flood Insurance. Make available in the lobby and mail with flood zone determinations.	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check
31*	Home Depot - Hurricane Guide	Check	Check	Check					Check	Check	Check	Check	Check
32	Red Cross - Repairing your flooded home. Available in DPW and Engineering	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check	Check
33	Annual presentation on 50-50 rule, by Building Dept.												
	* Have these available at the Annual Hurricane seminar in May												

## Hurricane Preparedness

- ☂ Know your evacuation zone
  - ☂ To find your zone, go to <https://ags2.scgov.net/knowyourzone/>
- ☂ Inventory and photograph your home and contents, and store with insurance and important documents in a safe place.
- ☂ Create a safety plan, with a checklist of steps to take before, during and after a hazard.
- ☂ Attend the annual City sponsored Hurricane Preparation seminar in May.
  - ☂ The program features hurricane experts, flood safety and information for property protection and personal safety.
  - ☂ The Date and Time of the seminar will be in the City's newsletter and on the City's website.

## Protect Natural Floodplain Functions

- ☂ Floodplain areas along the coastal region and major drainage ways, such as Curry Creek and Hatchett Creek, benefit the natural water flow to provide major flood protection.
- ☂ It is important to keep all drainage areas free of debris to prevent flooding, improve water quality, and protect the natural function of the floodplain.
- ☂ Do not dump or throw anything into ditches, inlets or streams.
  - ☂ Dumping is a violation of City Code, Section 74-266. If you see someone dumping hazardous materials or debris in the ditches, inlets or streams, please contact James Clinch, Stormwater engineering Manager.
- ☂ Limit the use of fertilizers and pesticides as their runoff will pollute our waters.
  - ☂ All pesticides and hazardous materials should be disposed of at the Sarasota County Chemical Collection center, at 250 S. Jackson Rd., Wed – Sat, 8am-4pm.
- ☂ Always pick up after your pet. The waste may be flushed down the toilet or disposed of with the garbage.

## Protect your property from the hazard

- ☂ Keep driveway culverts clean and free of obstructions.
  - ☂ It is the responsibility of property owners to keep pipes (culverts) under driveways clean and free of obstructions. Clogged driveway culverts can cause localized flooding.
- ☂ Make sure banks of ditches and streams near your property are clear of brush and debris. Silt fences keep our streams clean by preventing soil from entering our stormwater system. The City of Venice and Sarasota County have ditch maintenance programs to help remove major blockages such as downed trees.
  - ☂ Report broken silt fences and ditch blockages to Public Works Department at 941-486-2422.
- ☂ Retrofit your property
  - ☂ Re-grade the site or elevate the structure. (Permits are required)
- ☂ Elevate air handlers, electrical boxes and water heaters. (Permits are required).
- ☂ Make sure your downspouts are clear and directed away from the house.
- ☂ Mitigation grants area available
  - ☂ Financial assistance through Federal grants may be available for home owners who meet the criteria of a repetitive loss building and wish to elevate their home above the flood level.
  - ☂ Contact Kathleen Weeden, City Engineer, or visit [www.floridadisaster.org](http://www.floridadisaster.org) for more information
- ☂ Get Expert advice
  - ☂ If you suspect you have a potential flooding problem, contact James Clinch, Stormwater Engineering Manager, to discuss your concerns or schedule an appointment. A representative of the department will visit your property. Although detailed engineering advice will not be offered, recommendations to reduce the flood risk will be provided. A detailed review by an independent professional may be necessary.













## Flood Protection Information for City of Venice Residents 2015

- ❖ Alerts give you time to prepare
- ❖ Flood watches provide up to 24 hours' notice
- ❖ Warnings mean a flood is imminent




**If your life  
or the lives of others  
are in imminent danger,  
dial 911**

**City Hall Tel# 941-486-2626**  
**Kathleen J. Weeden, P.E., CFM, LEED®AP**  
City Engineer  
Tel# 941-486-2626 x25001  
**James Clinch, P.E., CFM**  
Stormwater Engineering Manager  
Tel# 941-486-2626 x25002
















### Know your Flood Hazard

-  Flooding in our city is caused primarily by two sources: storm surge and heavy rainfall.
-  Insure your property for *YOUR* flood hazard
  -  In areas along Hatchett Creek, Curry Creek, Deertown Gully, Flamingo Ditch, East Venice Ave., and coastal areas, floodwaters can cover streets and yards with little warning.
  -  Even if your property has not flooded in the past, it is possible a future weather event may present a different outcome. Property located in a Special Flood Hazard Area (SFHA) or 100-year floodplain has a greater risk of flooding.
-  Check to see if you live in the SFHA
  -  Existing Federal Emergency Management Agency (FEMA) flood Insurance Rate maps (FIRMs) and other reference materials are available at the Venice Public Library, 300 S. Nokomis, Venice.
  -  Proposed preliminary FEMA floodmaps are available online at <https://scginternet.scgov.net/FloodMaps/Pages/default.aspx>
  -  If Elevation Certificates were required for your property when the permits were issued, copies of the certificate may be available either online at [http://venicegov.com/Disaster\\_links/elevation\\_certs.asp](http://venicegov.com/Disaster_links/elevation_certs.asp) or from the Engineering Dept. at City Hall.
  -  Visit [www.floodsmart.gov](http://www.floodsmart.gov) for a risk evaluation.
-  Flood Zone assistance is available at the Engineering Department.



### General Preparedness

-  Receive timely flood warnings
  -  Go to [www.venicegov.com](http://www.venicegov.com) and click on "Emergency Notification System" to register for the CodeRED® early warning notification system.
  -  Tune into local TV and radio channels or purchase a weather alert radio.



### Protect yourself from the hazard

-  Do not walk through flowing flood-water; just 6 inches of moving water can knock you off your feet.
-  Do not drive through flooded areas.
  -  Obey road barriers.
  -  Roads and bridges may be washed out.
-  Stay away from power lines and electrical wires.
  -  FPL restores power to critical facilities first.
-  Have electricity turned off if property has been flooded.
  -  Call FPL (800)-468-823, to request service.
  -  Do not use appliances that have been in water.
-  Watch your step.
  -  Look out for animals and harmful insects in flood waters.
  -  Fire ants and snakes will head to high ground.
-  Be alert for gas leaks
  -  Do not use open flames until you know the area has been ventilated.
-  Do not enter a building that has been flooded until it has been cleared by an inspector.



### Flood Education

-  Teach children about flood safety so that they know your safety plan, and to avoid flooding dangers.
-  Make sure all occupants of your home know the safety plan for your family.












### Build Responsibly

-  Check with the City Building and Engineering Departments, at 941-486-2626, to see if a permit is needed before initiating construction or altering grades.
-  Report un-permitted construction activities.

### Elevated and Flood Vented Properties

-  Keep flood vents open and unobstructed
-  A non-Conversion statement is required, by the City Building Department, for areas below the required minimum finished floor elevation.

### Buy Flood Insurance

-  Standard Homeowner's Insurance policies do not cover damage from floods!
-  If your house is flooded and you do not have flood insurance, any damage below the waterline will not be covered by your homeowner's insurance policy. Verify, annually, that the policy limits are adequate.
-  Flood insurance covers all surface floods, even if a federal disaster is not declared.
-  If the cost to reconstruct, rehabilitate, or improve the property equals or exceeds 50% of the building's appraised value - over a 10 year period, the building will have the same construction requirements as a new structure. This rule included non-disaster improvements made to the building. Contact the Building Dept. regarding Substantial Improvements.
-  Flood insurance discounts available; The City of Venice participates in the National Flood Insurance Program (NFIP), which allows federally funded flood insurance to be available to all residents, including those whose property has been flooded in the past.
-  The City of Venice is currently rated a Class 6 in the Community Rating System (CRS)..
-  Owners of property within City and the Special Flood Hazard Area (SFHA) may receive up to 20% reduction in the cost of flood insurance premiums.
-  Owners of property within the City that is not in the SFHA can receive as much as an additional 10% reduction in flood insurance premiums through a preferred risk insurance policy.
-  There is a 30 day waiting period before the NFIP takes effect. Contact your insurance agent about rates and coverage.
-  If you do not have an insurance agent, contact the NFIP agent referral service at 888-379-9531 or go to [www.floodsmart.gov](http://www.floodsmart.gov) for information.
-  Verify you have adequate flood insurance prior to adoption of the new floodmap.



# CITY OF VENICE

401 W. Venice Avenue, Venice, FL 34285

[www.venicegov.com](http://www.venicegov.com)

(941) 486-2626

Fax (941) 480-3031

Date

Dear Association President or Manager:

You have received this letter because the structure on your property, or one nearby, may have been identified by the Federal Emergency Management Agency (FEMA) as having either a 1% or higher chance of flooding each year, or of having filed at least two losses under the National Flood Insurance Program (NFIP). The City of Venice is committed to assisting repetitive loss property owners in reducing the likelihood of future loss through information dissemination and early planning.

Flooding in our city is primarily caused by two main sources: storm surge and heavy storms. In areas along Hatchett Creek, Deertown Gully and East Venice Avenue, floodwaters can cover streets and yards with little warning. During Tropical Storm Henri, on September 5, 2003, Venice Avenue was closed intermittently due to flooding. Intersection flooding also occurs within the City of Venice during rain events and results in transportation difficulties. The City has recently completed a project that has reduced localized flooding in the vicinity of Venice Avenue and Grove Street intersection that had routinely flooded during heavy rain events.

The City of Venice is a participant in the National Flood Insurance Program (NFIP) Community Rating System which means that residents and businesses may qualify for a discount on flood insurance premiums. Please keep in mind that the standard home-owners insurance policy does not cover flood damage, a separate policy is usually required and most include a 30-day waiting period before commencement of flood coverage. Therefore, it is critical to decide early. Remember, just an inch of water can cause costly damage to your property.

Property protection techniques can be used prior to the onset of a flood event to reduce damage to your property and valuables. Detailed materials for your review and consideration are available at the Venice Public Library. Please stop by and consult with the Reference Librarian, or search the library's computerized catalog for "flood protection." Some flood protection measures may need a building permit and others may not be safe for your building, so be sure to talk to the Building Department.

Prepare for flooding by doing the following:

- Know how to turn off the electricity and gas to your house when a flood comes.
- Make a list of emergency numbers and identify a safe place to go.
- Make a household inventory.
- Put insurance policies, valuable papers, medicine, etc. in a safe place.
- Collect and put cleaning supplies, camera, waterproof boots, etc. in a handy place.
- Know your evacuation route.



Talk about the dangers of flooding with all the residents of the home, including minors, and develop a disaster response plan. The Red Cross's website, at [www.redcross.org](http://www.redcross.org) is a useful resource for this.

Financial assistance through federal grants is available for homeowners who meet the criteria of a repetitive loss building and wish to elevate their building above the flood level. The grant may cover 75 percent of the cost. Contact Kathleen Weeden, at (941) 486-2626 ext. 25001, or visit [www.floridadisaster.org](http://www.floridadisaster.org) for additional information.

Please visit us on the City's website at [www.venicegov.com](http://www.venicegov.com), and select the "Emergency Notification System" icon to enroll in CodeRED - our community's early warning notification system, and access links to other important sites for information. Also, please plan to join us each year in May at our annual Hurricane Preparation Seminar hosted by the City in Council Chambers. The program features local hurricane experts and provides up to date information for property protection and personal safety. The date and time will be in the city's newsletter and on the city's Web site.

Insure your property for your flood hazard; contact your insurance agent for more information about flood insurance or to purchase a flood insurance policy. If you don't have an agent, or your agent does not write flood insurance, the NFIP has a toll free number for agent referrals, 1-888-379-9531. You can also get more details about your risk and flood insurance at [www.floodsmart.gov](http://www.floodsmart.gov).

Protecting the natural functions of our floodplain helps prevent flooding. Dumping in storm drains is harmful, a violation of City Code, Section 74-266, and should be reported to the Engineering Department. Silt fences keep debris on construction sites and out of the storm drains, broken fences should also be reported to the Engineering Department.

Please share this information with condominium unit owners if you are an Association President or Manager. If you have any questions, please feel free to contact us. We will be happy to assist you as you plan for the protection of your property and personal items.

If you have any questions or require information regarding the flood zone in which your property lies, or would like to know the extent of flooding in your area, please do not hesitate to contact me at (941) 486-2626, ext. 25001.

Sincerely,

Kathleen J. Weeden, PE, CFM, LEED®AP  
City Engineer



# CITY OF VENICE

401 W. Venice Avenue, Venice, FL 34285

[www.venicegov.com](http://www.venicegov.com)

(941) 486-2626 Fax (941) 480-3031

Date

Dear Local Insurance Agent:

Thank you for agreeing to advise your clients that purchasing flood insurance is a good idea. I am enclosing flood insurance brochure FEMA F-638, for you to distribute to your clients. If you would like additional copies please contact me at (941) 486-2626 ext. 25001 or [kweeden@venicegov.com](mailto:kweeden@venicegov.com).

Together we can work to inform the public of the importance of flood dangers, protection and insurance.

Sincerely,

Kathleen J. Weeden, PE, CFM, LEED®AP  
City Engineer



# CITY OF VENICE

401 W. Venice Avenue, Venice, FL 34285

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(941) 486-2626

Fax (941) 480-3031

## Flood Protection Information, summer 2014

Dear Venice Resident:

You have received this letter because your property is in an area that has been flooded several times. Our community is concerned about repetitive flooding and has an active program to help you protect yourself and your property from future flooding, but here are some things you can do:

1. The City of Venice provides a Mapping Information Service to the community. Know your flood zone and Base Flood Elevation (BFE), check with the Building Department on the extent of past flooding in your area. Department staff can tell you about the causes of repetitive flooding, what the City is doing about it, what would be an appropriate flood protection level, and whether flood insurance is mandatory for your property. The staff can visit your property to discuss flood protection alternatives. Copies of FEMA Elevation Certificates are available from the Engineering Department. Both the Building Department and Engineering Department are located in City Hall, 401 W. Venice Avenue, Venice, FL 34285 and can be reached by telephone at: (941) 486-2626.
2. Prepare for flooding by doing the following:
  - Sign up for codeRED emergency notifications from the City, at <http://venicegov.com/>.
  - Know how to shut off the electricity and gas to your house when a flood comes.
  - Make a list of emergency numbers and identify a safe place to go.
  - Make a household inventory, especially of basement contents.
  - Put insurance policies, valuable papers, medicine, etc., in a safe place.
  - Collect and put cleaning supplies, camera, waterproof boots, etc., in a handy place.
  - Talk to your children and grandchildren about flooding, and develop a disaster response plan that includes everyone in the home, including pets. See the Red Cross's website at [www.redcross.org](http://www.redcross.org) for help on preparing your home and family for a disaster.
  - Know your evacuation route. Evacuation route maps can be found on the Sarasota County website, at <http://sarasotagov.org/NDS/FloodMap.cfm>
  - Get a copy of *Repairing Your Flooded Home*. We have copies at the Public Works Department or it can be found on the Red Cross' website, too.
3. Consider some permanent flood protection measures.
  - Mark your fuse or breaker box to show the circuits to the floodable areas. Turning off the power to the basement before a flood can reduce property damage and save lives.
  - Consider elevating your house above flood levels.

- Check your building for water entry points, such as basement windows, the basement stairwell, doors, and dryer vents. These can be protected with low walls or temporary shields.
  - Install a floor drain plug, standpipe, overhead sewer, or sewer backup valve to prevent sewer backup flooding.
  - Check your downspouts – drain away from the house.
  - More information is available in the FEMA publications located in the reference section of the Venice Public Library or on the FEMA website, [www.ready.gov/floods](http://www.ready.gov/floods).
  - Note that some flood protection measures may need a building permit and others may not be safe for your type of building, so be sure to talk to the Building Department.
4. Talk to the Engineering Department at 941-486-2626 for information on financial assistance.
- The City administers a flood protection rebate program that will pay 25% of approved projects, up to a total of \$2,500. This program has funded low floodwalls, overhead sewers, sewer backup valves, and relocation of utilities to higher levels.
  - If you are interested in elevating your building above the flood level or selling it to the City, we may apply for a Federal grant to cover 75% of the cost.
  - Get a flood insurance policy – it will help pay for repairs after a flood and, in some cases, it will help pay the costs of elevating a substantially damaged building.
5. Get a flood insurance policy.
- Homeowner's insurance policies do not cover damage from floods. However, because our community participates in the National Flood Insurance Program, you can purchase a separate flood insurance policy. This insurance is backed by the Federal government and is available to everyone, even properties that have been flooded. Because our community participates in the Community Rating System, you will receive a reduction in the insurance premium.
  - Renters should buy flood insurance for the contents of their homes.
  - If your area is not mapped as a Special Flood Hazard Area, you may qualify for a lower-cost Preferred Risk Policy.
  - Some people have purchased flood insurance because it was required by the bank when they got a mortgage or home improvement loan. Usually these policies just cover the building's structure and not the contents. During the kind of flooding that happens in your area, there is usually more damage to the furniture and contents than there is to the structure. Be sure you have contents coverage.
  - Don't wait for the next flood to buy insurance protection. In most cases, there is a 30-day waiting period before National Flood Insurance Program coverage takes effect.
  - Contact your insurance agent for more information on rates and coverage.
6. Protect our floodplains.
- Don't dump in the storm drains. Dumping is a violation of City Code, Section 74-266.
  - Report broken silt fences; they keep debris on construction sites and out of the storm drains.

If you have any questions or require additional information, please do not hesitate to contact me at 941-486-2626 ext. 25001.

Sincerely,

Kathleen J. Weeden, PE, CFM, LEED®AP  
City Engineer



## CITY OF VENICE

401 W. Venice Avenue, Venice, FL 34285

[www.venicegov.com](http://www.venicegov.com)

(941) 486-2626

Fax (941) 480-3031

Date

Dear Local Insurance Agent:

I am enclosing a copy of FEMA F-217, *The Benefits of Flood Insurance Versus Disaster Assistance*, to help you discuss flood insurance needs with your clients. If you would like additional copies to keep in your office, please contact me at (941) 486-2626 ext. 25001 or [kweeden@venicegov.com](mailto:kweeden@venicegov.com).

Thank you for agreeing to help residents remain aware of their flood hazard by utilizing the Mapping Information Service provided by the City to the community. The Building Department is able to give information on flood zones, Base Flood Elevation (BFE), the extent of past flooding on a given property, and whether flood insurance is mandatory for a given property. The Building Department staff can visit your client's property to discuss flood protection alternatives, and copies of FEMA Elevation Certificates are available from the Engineering Department. Both the Building Department and Engineering Department are located in City Hall, 401 W. Venice Avenue, Venice, FL 34285 and can be reached by telephone at: (941) 486-2626.

Residents considering building, making an addition to their property or installing other flood protection measures should contact the Building Department to determine whether a building permit is required. Properties can be protected from hazards by ensuring that construction debris is kept out of streams, ditches and storm drains. The library also maintains reference materials pertaining to other flood protection techniques which may help minimize damage to their property. Basement flooding may be minimized by checking that all downspouts are directed away from the house.

All residents should be aware that dumping in storm drains is a violation of City Code, Section 74-266. Dumping is harmful to our floodplains which are an extremely valuable, renewable resource, important to the economic welfare,

enjoyment, and physical well-being of all of our residents; floodplains provide natural flood storage and erosion control, and water quality maintenance as well as providing habitat and critical sources of energy for plants and animals.

As part of being informed about flood hazards, residents should also familiarize themselves with evacuation routes. These can be found in the Sarasota County annual Disaster Planning Guide, available in the library and at various other locations around the City, also on the Sarasota County website, at <http://sarasotagov.org/NDS/FloodMap.cfm>.

In order to receive flood and other emergency notifications, residents should sign up for codeRED alerts on the city website at <http://venicegov.com/>.

Prior to hurricane season, homeowners should talk about the dangers of flooding with all of the occupants of the home, including minors, and develop a disaster response plan. They may find the tools on the Red Cross website, at [www.redcross.org](http://www.redcross.org), useful for this.

As a precaution, home owners should inventory and photograph the contents of their home, and put important papers and insurance policies in a safe place. This will help them with their insurance claims in the event that their home is flooded.

Together we can work to inform the public of the importance of flood dangers, protection and insurance.

Sincerely,

Kathleen J. Weeden, PE, CFM, LEED®AP  
City Engineer



## CITY OF VENICE

401 W. Venice Avenue, Venice, FL 34285

[www.venicegov.com](http://www.venicegov.com)

(941) 486-2626

Fax (941) 480-3031

### Floodplain Questionnaire, **Date**

Dear Venice Resident:

In order to better serve the community, the City is seeking information from residents in the floodplain. Please complete the following brief questionnaire and either mail to or drop off at the Engineering Department, City Hall, 401 W. Venice Ave, Venice, FL 34285, or complete the questionnaire on the City's website at <http://venicegov.com/>

If you have any questions or require additional information, please do not hesitate to contact me at 941-486-2626 ext. 25001.

Please return completed questionnaires by August 15<sup>th</sup>, 2014

Sincerely,

Kathleen J. Weeden, PE, CFM, LEED®AP  
City Engineer

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## FLOODPLAIN QUESTIONNAIRE

1. What are the natural flood hazards in your neighborhood?
2. What problems do the natural flood hazards present to your neighborhood and your property?
3. What solutions would you propose?

## **Appendix F**

### **Project Outreach Worksheets**

PPI Outreach Project Worksheet																	
Outreach Projects		Messages Covered										Times per Year	By	Goals - To raise awareness about:			
		1	2	3	4	5	6	7	8	9	10			1	2	3	4
		Know your Flood Hazard	Insure your Property for your Flood Hazard	Protect People from the Hazard	Protect your Property from the Hazard	Build Responsibly	Protect Natural Floodplain	Hurricane Preparedness	General preparedness	Elevated and Flood-Vented Properties	Flood Education			Local Hazards	Flood Insurance	Mitigation	Other (specified)
1	FEMA Brochures in the Engineering Office		X								1	Eng. Dept		X			
2	FEMA Brochures in City Hall Lobby		X								1	Eng. Dept		X			
3	FEMA Brochures in the Venice Library		X								1	Eng. Dept		X			
4	City Website	X	X	X	X	X	X	X	X	X	1	IT Dept.	X	X	X		
5	FEMA F-683 (Why you need flood Insurance - Bldg Dept.)		X								1	Eng. Dept		X			
6	FEMA brochures to Latin Supermarket (Targeted)		X			X					1	Eng. Dept		X			
7	Flood Protection Information Flyer in Utility Bill (All Residents)	X	X	X	X	X	X	X	X	X	2	Eng. Dept	X	X	X		
8	FEMA F-696 to Venice Board of Realtors (Targeted)		X								1	Eng. Dept		X			
9	Citywide Hurricane Seminar	X	X	X	X	X	X	X	X	X	1	Eng. Dept	X	X	X		
10	HOA Targeted Mailing	X	X	X	X	X	X	X	X	X	1	Eng. Dept	X	X	X		
11	Insurance Mailing + F-683		X								1	Eng. Dept		X			
12	Realtor Mailing + Hazard insert (Targeted)	X	X	X	X	X	X	X	X	X	1	Eng. Dept	X	X	X		
13	Sarasota County Disaster Planning Guide	X	X		X	X	X	X	X	X	1	Sarasota County	X	X			
14	Repetitive Loss Mailing (Targeted)	X	X	X	X	X	X	X	X		1	Eng. Dept	X	X	X		
15	Insurance Mailing +FEMA 217 (Targeted)		X	X	X	X	X	X	X	X	1	Eng. Dept	X	X	X		
16	Flood Presentation to Venice Board of Realtors	X	X	X	X	X	X	X	X	X	1	Eng. Dept	X	X	X		
17	Flooding Questionnaire (All Residents)	X									1	Eng. Dept	X	X			
18	Publix Brochure: Preparing for a hurricane	X		X			X	X			1	Publix				Preparedness	
19	City of Venice Hurricane Guide		X	X							1	COV Marketing & Communications	X	X			
20	Forwarded FEMA training email to Insurance Agents (Targeted)		X								2	Eng. Dept		X			
21	Tampa Bay Hurricane Guide	X	X	X	X	X	X	X	X	X	1	Tampa Bay Times	X	X			
22	Publicity email: Code RED test 09/12/2014			X							1	COV Marketing & Communications	X			Warning	
23	Library flyer: FIRMS and CodeRED (& 9-12 CodeRED test)	X		X							1	Eng. Dept	X	X		Warning	
24	Joint LMS Presentation 5-23-14: Free Flood Awareness Seminar (Jacaranda Library, Venice)	X	X	X	X	X	X	X	X	X	1	SRQ EOM	X	X	X		
25	Joint LMS Presentation at AAA, 11-19-2013: Flood Insurance: How changes will affect you and your clients	X	X	X	X	X	X	X	X	X	1	SRQ EOM	X	X	X		
26	Joint LMS Presentation 5-31-14: Disaster/flooding & storm surge prep (Lowes, Venice)	X	X	X	X	X	X	X	X	X	1	SRQ EOM	X	X	X		
27	Joint LMS Presentation 06-20-14: Disaster/Storm surge flood and threat (The Wright Way, Left Coast Seafood, Venice)	X	X	X	X	X	X	X	X	X	1	SRQ EOM	X	X	X		
28	Joint LMS Presentation 8-13-14: Post hurricane response for work crews (The Wright Way, Venice)	X									1	SRQ EOM	X	X			
29	Florida Division of Emergency Management: Severe Weather Awareness Guide - printed and taken to Library, Chamber of Commerce and City Hall lobby	X	X	X			X	X			1	Florida Division of Emergency Management	X	X	X		
30	FPL - Preparing for a Storm			X	X	X	X	X			1	FPL	X	X		Preparedness	
31	CERT - Quick Guide to Floodplain Management in Florida. (In reference section of library)	X	X		X	X	X				1	CERT	X	X	X		
32	LOWES Hurricane Guide							X	X		1	Lowes	X	X			
33	City of Venice flyer in Utility Bills: Understanding Stormwater and the Environment					X	X			X	1	Eng. Dept	X				
34	City brochure: About the Mandatory Purchase of Flood Insurance		X	X	X		X	X			1	Eng. Dept	X	X	X		
35	Home Depot Hurricane Guide	X	X								1	Home Depot	X	X	X	Preparedness	
36	Repairing Your Flooded Home, Red Cross Booklet. Available in DPW and Engineering, per OP#16	X	X	X	X	X	X	X		X	1	Red Cross	X	X	X	Preparedness	
37	Annual presentation, by Bld. Dept to Realtors, on 50-50 rule (Targeted)	X	X	X	X	X	X	X	X	X	1	Bldg. Dept	X	X	X	Preparedness	

CIP Outreach Project Worksheet 2016-2017											
Outreach Projects		Messages Covered				Times per year	By	Goals			PPI #
		1	2	3	4			1	2	3	
		Importance of Structural Coverage	Importance of Contents Coverage	Know your Zone	Mitigation Grants			Improve knowledge of Flood Insurance	Increase flood insurance	Reduce flood loss	
1	Flood Protection Information Flyer in Utility Bill (AI residents)	X	X	X	X	2	Eng. Dept	X	X	X	7
2	Repetitive Loss Mailing (Targeted)	X	X	X	X	1	Eng. Dept	X	X	X	14
3	Forwarded FEMA training emails to Insurance Agents (Targeted)	X	X			2	Eng. Dept	X	X	X	20
4	Targeted mailing in SFHA after 1 year evaluation of policies in force by location.	X	X	X	X	1	Eng. Dept	X	X	X	-