

Public Works Department

Proposed Amendments to Floodplain Management Ordinance

Board of County Commissioners (BCC)

September 14th, 2021



Presentation Outline

- Background
- Purpose
- Ordinance Overview
- Proposed Amendments
- Outreach
- Requested Action



Background

- Orange County participates in FEMA's National Flood Insurance Program (NFIP) since early 1980's
- NFIP sets minimum requirements for community floodplain management practices
- Allows residents to purchase federally backed flood insurance



Background

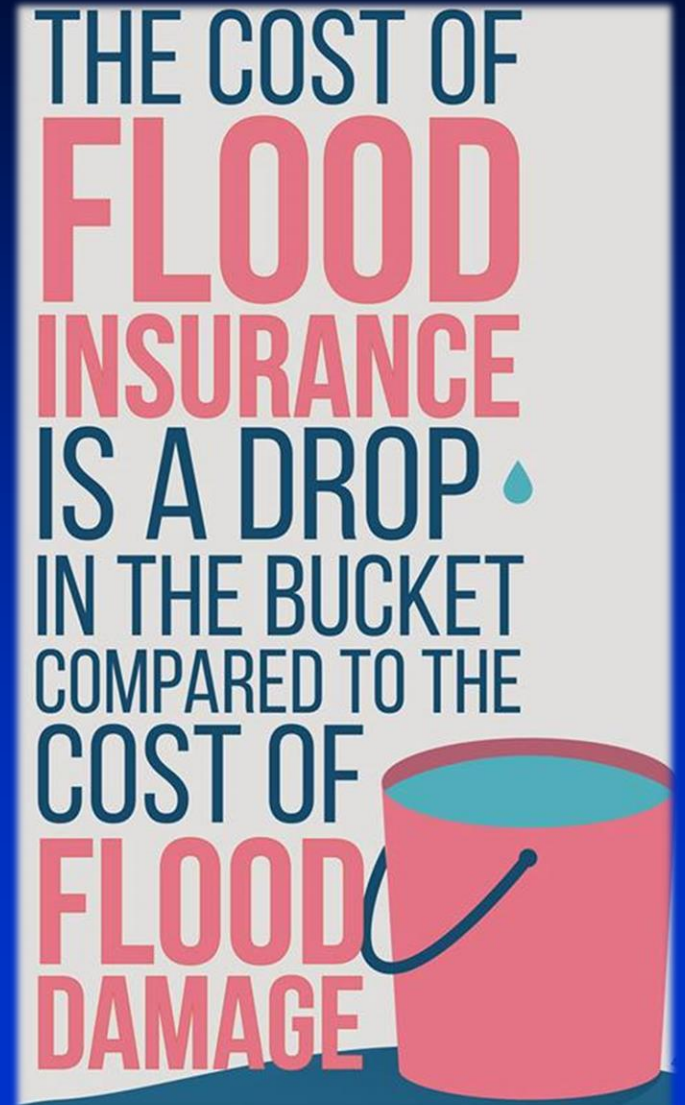
- Orange County also participates in FEMA's Community Rating System (CRS) since early 1990's
- The CRS is a voluntary incentive program that recognizes and encourages community floodplain management practices that exceed the minimum requirements of the NFIP





Background

- FEMA's Community Rating System (CRS) provides residents with flood insurance discounts
- Current flood insurance discount for Orange County residents is 25% for properties in special flood hazard areas (SFHA) and 10% for those outside SFHA



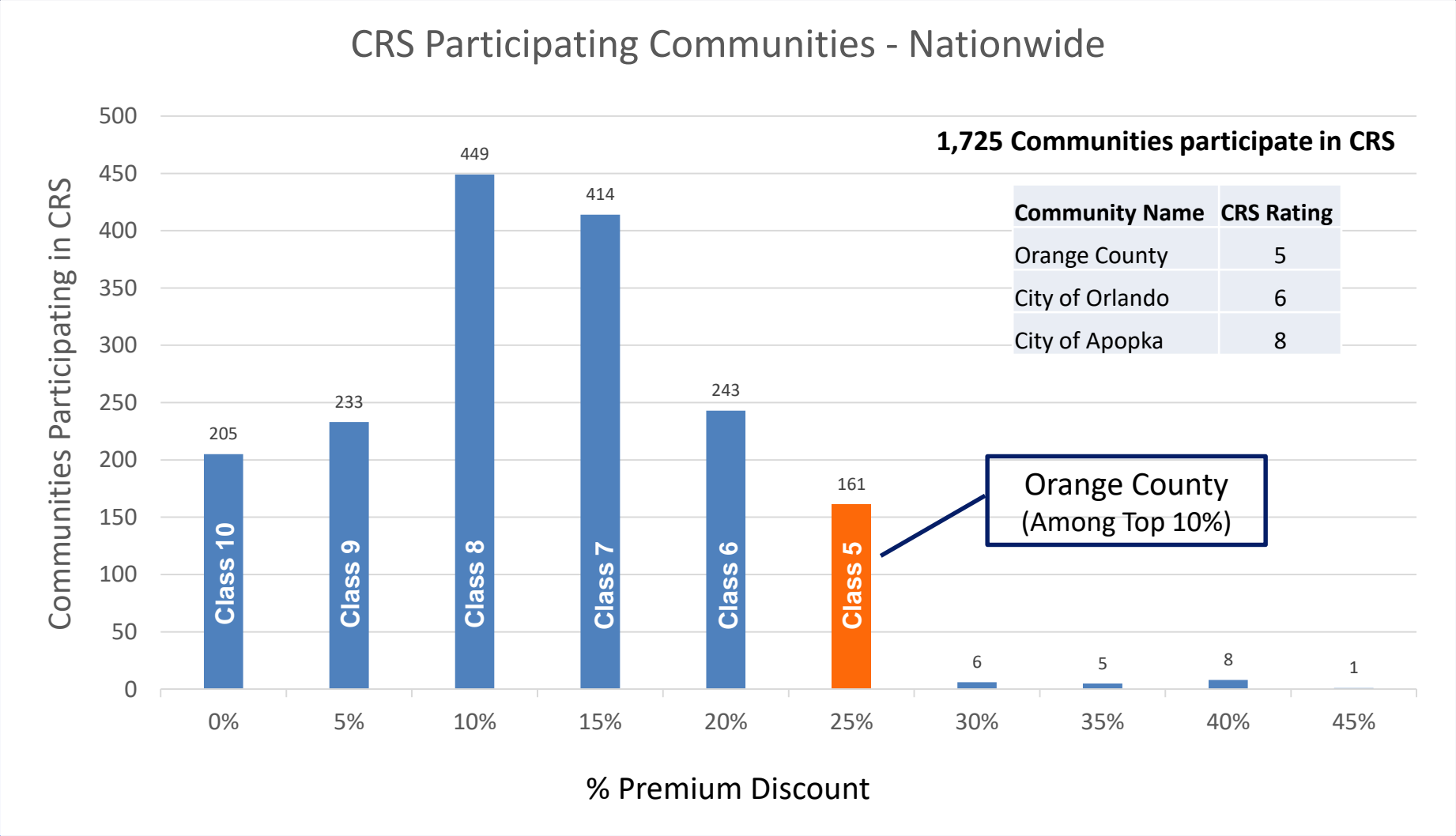
Community Rating System

Orange County*

▪ CRS Class:	5
▪ Premium Discount:	25%
▪ Number of Policies:	10,105
▪ Average Savings:	\$74
▪ Total Savings (County):	\$744,869

*Unincorporated Orange County (2019 data)







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Purpose

- Update Floodplain Ordinance to comply with FEMA's NFIP revised standards
- Update of Floodplain Ordinance will allow Orange County to pursue a better CRS Class 4





Purpose

- The Florida Division of Emergency Management (FDEM) provided a FEMA-approved floodplain management Model Ordinance
- The Model Ordinance explicitly coordinates Floodplain Management regulations with the Florida Building Code
- The Florida Building Code contains the flood building standards that meet or exceed the NFIP requirements



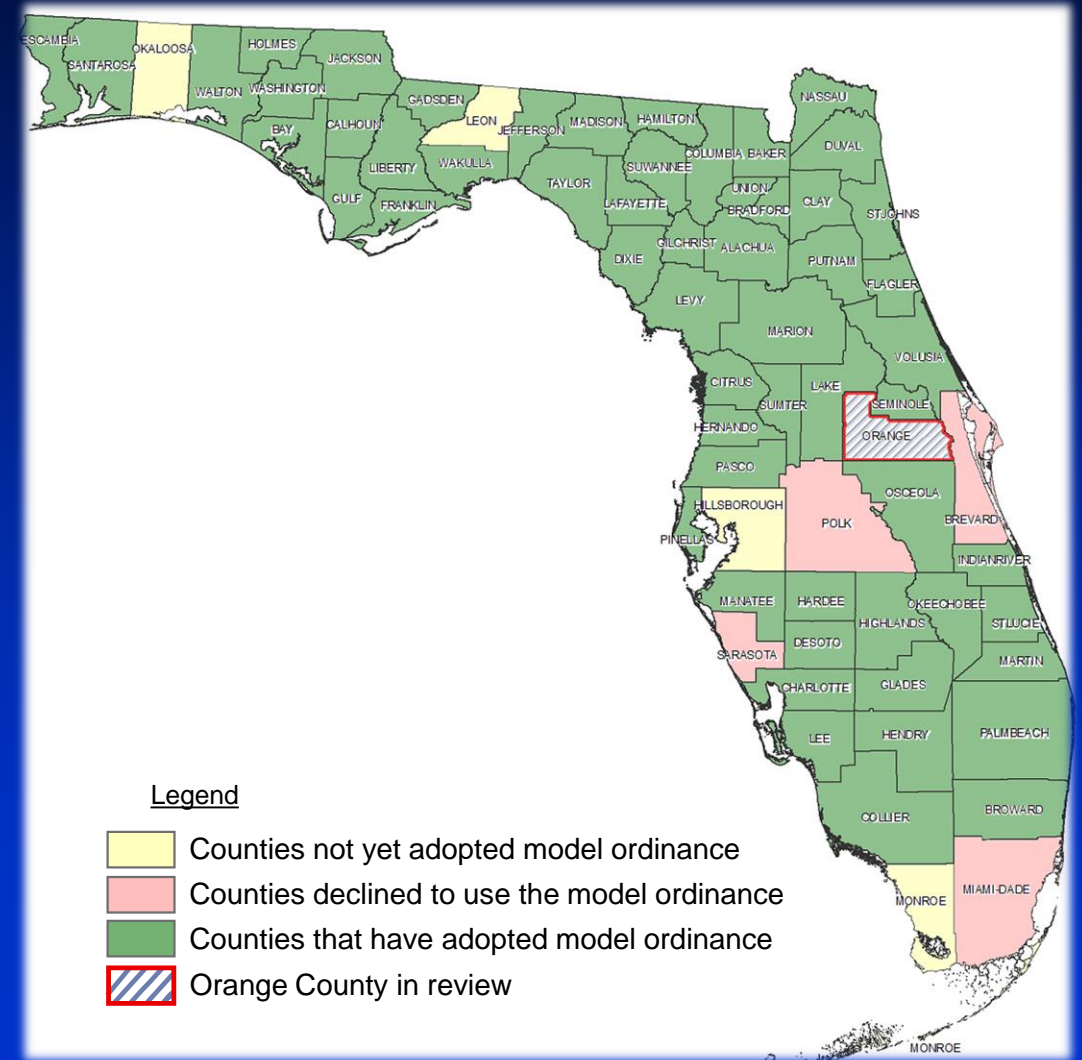
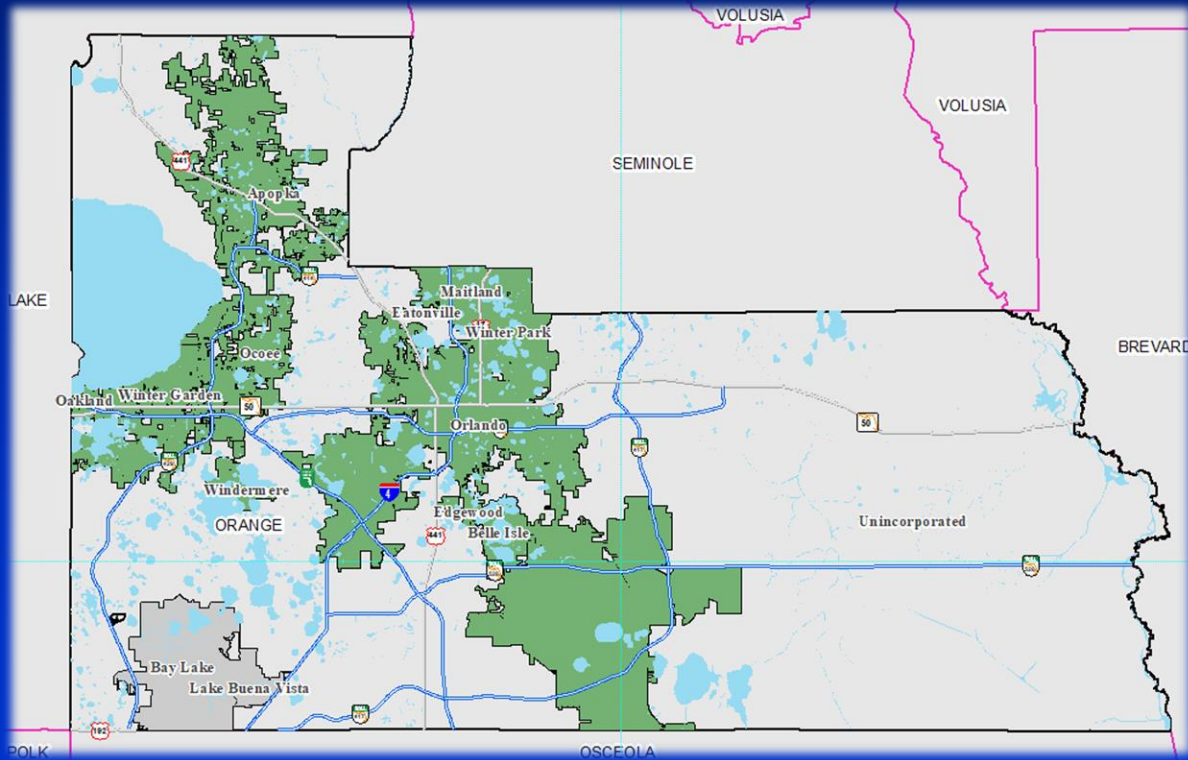


Purpose

- **The Model Ordinance is designed to:**
 - eliminate the possibility of having conflicting or duplicative regulations
 - keep local programs consistent with the Florida Building Code, even when the Florida Building Code changes over time
 - incorporate clarifying language from FEMA guidance documents to address problems Division of Emergency Management has observed in the field

Purpose

■ Communities with regulation based on Model Ordinance





Purpose



FEMA Timeline





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Ordinance Overview

Chapter 19 – Floodplain Management

- Building structural requirements referenced to Florida Building Code
 - The Florida Building Code contains flood building standards that meet or exceed the NFIP requirements
- Adds references to ASCE 24 (Flood Resistant Design and Construction)





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Proposed Amendments

Chapter 19 – Article I, Division 1 - Definitions

■ Sec. 19-5

- 4 definitions remain unchanged
- 19 definitions contain minor text revisions
- 10 definitions revised
- 14 definitions added
- 32 definitions deleted



Proposed Amendments

Chapter 19 – Article I, Division 3 - Floodplain Administrator

▪ Sec. 19-21 to Sec. 19-28

- Text revised for floodplain permitting and coordination with Building Official and appropriate regulating agency
- Applicants to provide documents to support FEMA-LOMC
- Duplicate/outdated record requirements removed from text

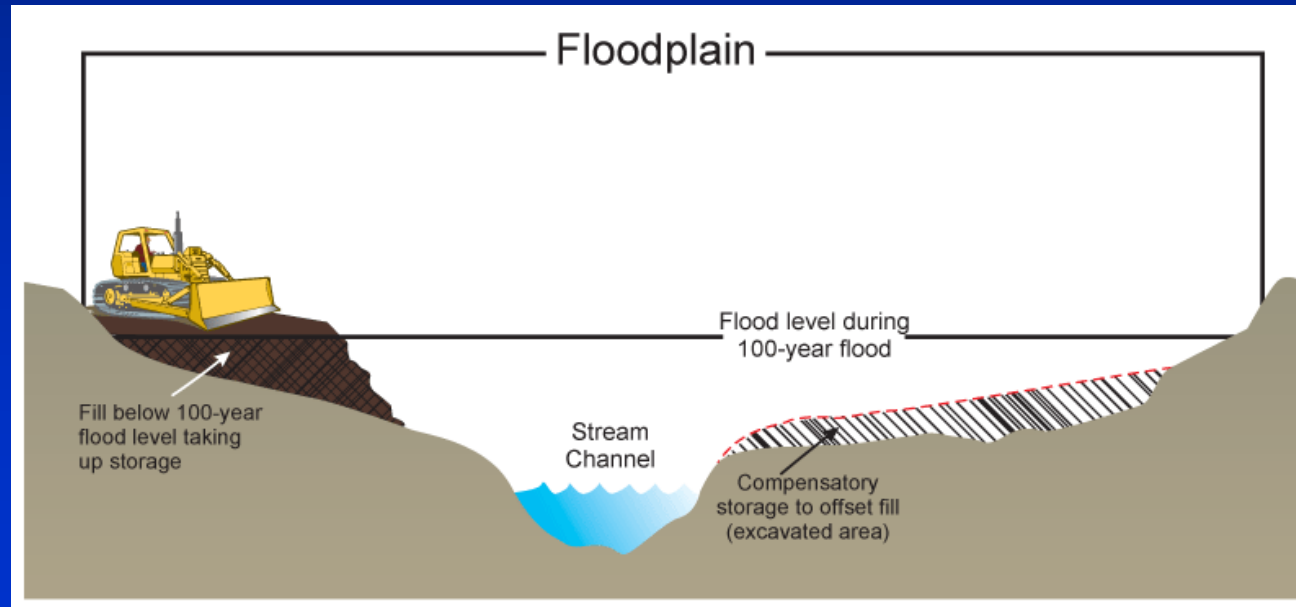


Proposed Amendments

Chapter 19 – Article II, Division 3 - Compensatory Storage

■ Sec. 19-107

- Clarifies requirements for achieving compensatory storage
 - Volume for volume “cup for cup” methodology





Proposed Amendments

Chapter 19 – Article II, Division 4 - Manufacture Homes

▪ Sec. 19-111 to Sec. 19-116

- References requirements governing foundations, placement, utility equipment, and enclosed areas to Florida Building Code
- New manufactured home parks/subdivision not permitted in regulatory floodway
- Bottom of the frame is 48” or more above grade





Proposed Amendments

Chapter 19 – Article II, Division 5 - Tanks

- Sec. 19-131 to Sec. 19-134.
 - Tanks (above and underground) to be anchored and constructed to prevent flotation, collapse or lateral movement from hydrodynamic and hydrostatic loads.



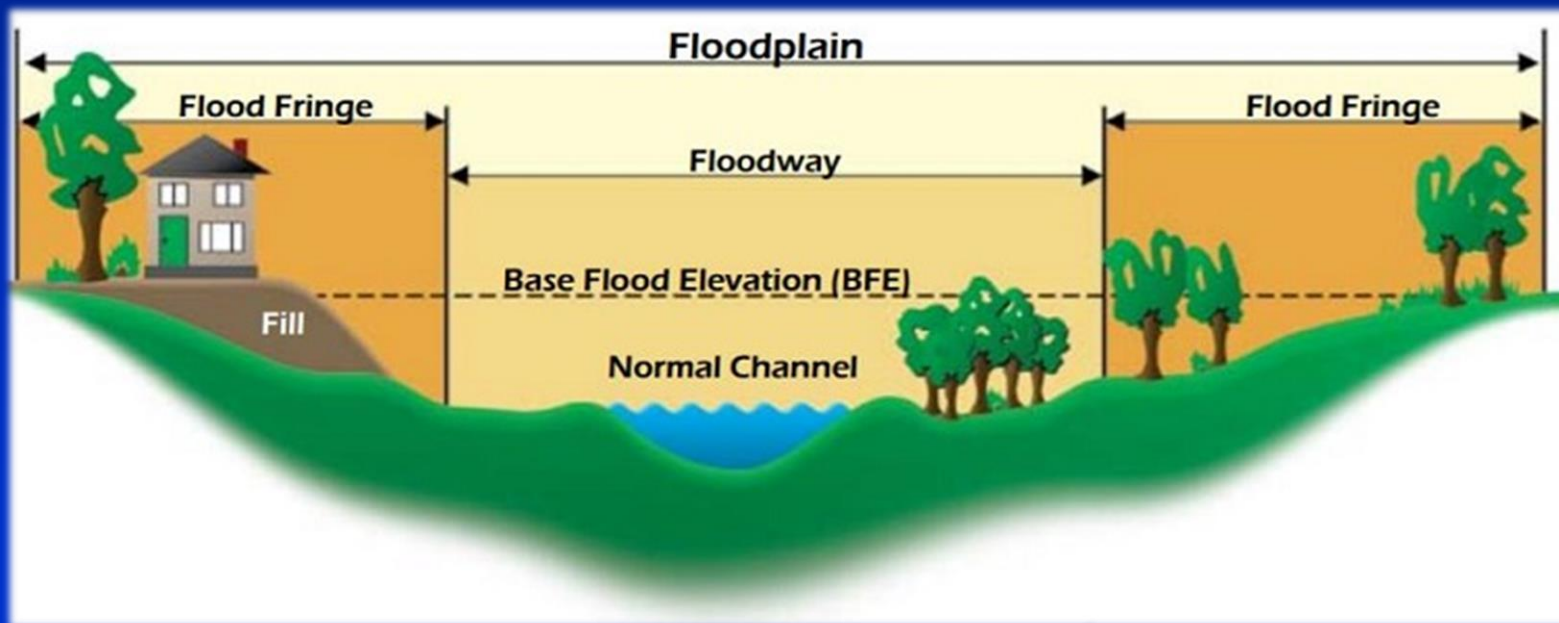


Proposed Amendments

Chapter 19 – Article II, Division 8 - Development in Floodway

▪ Sec. 19-151 to Sec. 19-154

- Clarifies requirements for development within floodway (e.g. fences, retaining walls, sidewalks, roads, crossings)





Proposed Amendments

Chapter 34 – Development within areas of special flood hazard

▪ Sec. 34-228

- Text clarifications (e.g. base flood instead of one hundred year flood)
- Reference to Florida Building Code
- Reference to new Chapter 19 Sec. numbering



Proposed Amendments

Chapter 9 – Article II Building Code – Division 1. Building

- Sec. 9-33 & Sec. 9-35
 - Deletion of outdated text
- Sec. 9-33 & Sec. 9-39
 - Addition of flood related damage text
(substantial damage/substantial improvement)



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Outreach

- Outreach (Professional Organizations/Stakeholders)
- BCC Work Session – July 27, 2021
- Development Advisory Board – August 16th, 2021
- Local Planning Agency (LPA) – August 19th, 2021
- Planning Zoning Commission (PZC) – August 19th, 2021
- Greater Orlando Builders Association – August 20th, 2021
- Building Code Board of Adjustments & Appeals – August 25th, 2021
- BCC Public Hearing – September 14th, 2021



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Requested Action

▪ Requested Action:

- Make a Finding of Consistency with the Orange County Comprehensive Plan and Adopt the Ordinance Amending Chapter 19 (“Floodplain Management Regulations”) and Chapter 34 (“Subdivision Regulations”) of the Orange County Code relating to Floodplain Management and
- Make a Finding of Consistency with the Orange County Comprehensive Plan and Adopt the Ordinance Amending Chapter 9 (“Building and Construction Regulations”) of the Orange County Code relating to Floodplain Management

Public Works Department

THANK YOU!

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