

*Public Works Department*

# Proposed Amendments to Floodplain Management Ordinance

BCC Work Session

July 27<sup>th</sup>, 2021



# Presentation Outline

- **Background**
- Purpose
- Ordinance Overview
- Proposed Amendments
- Next Steps



# 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 flood insurance



# Background

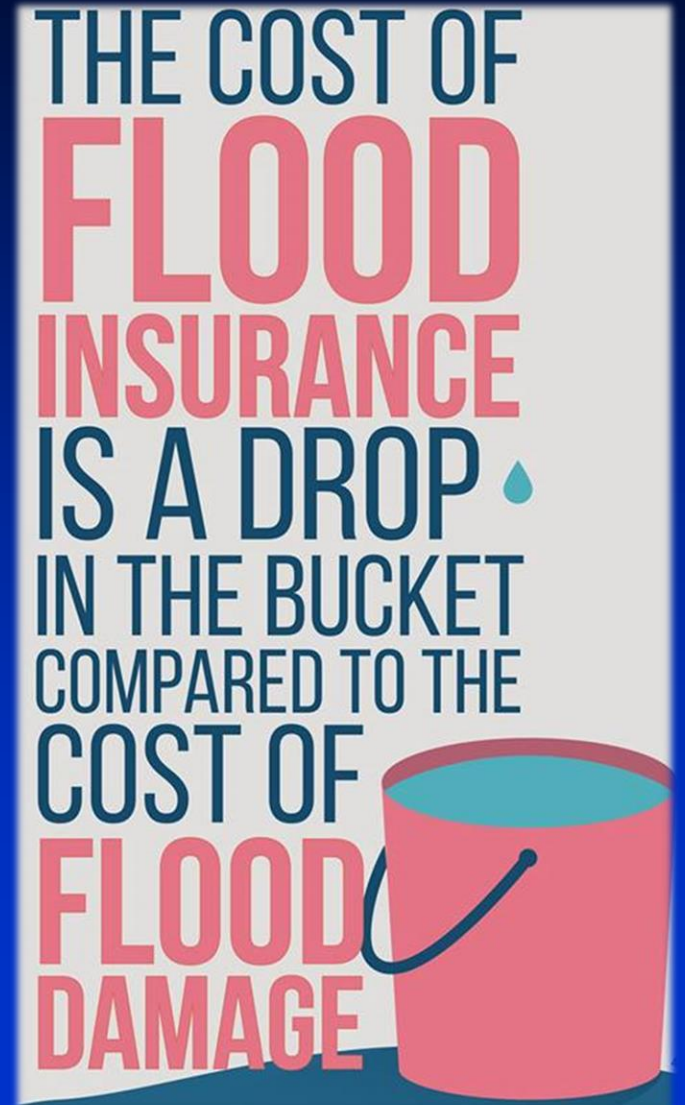
- Orange County also participates in FEMA's Community Rating System (CRS) since early 1990's
- The CRS is a voluntary incentive program that recognizes and encourages community floodplain management practices that exceed the minimum requirements of the NFIP





## 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.





# Background

## Community Rating System

### Orange County\*

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

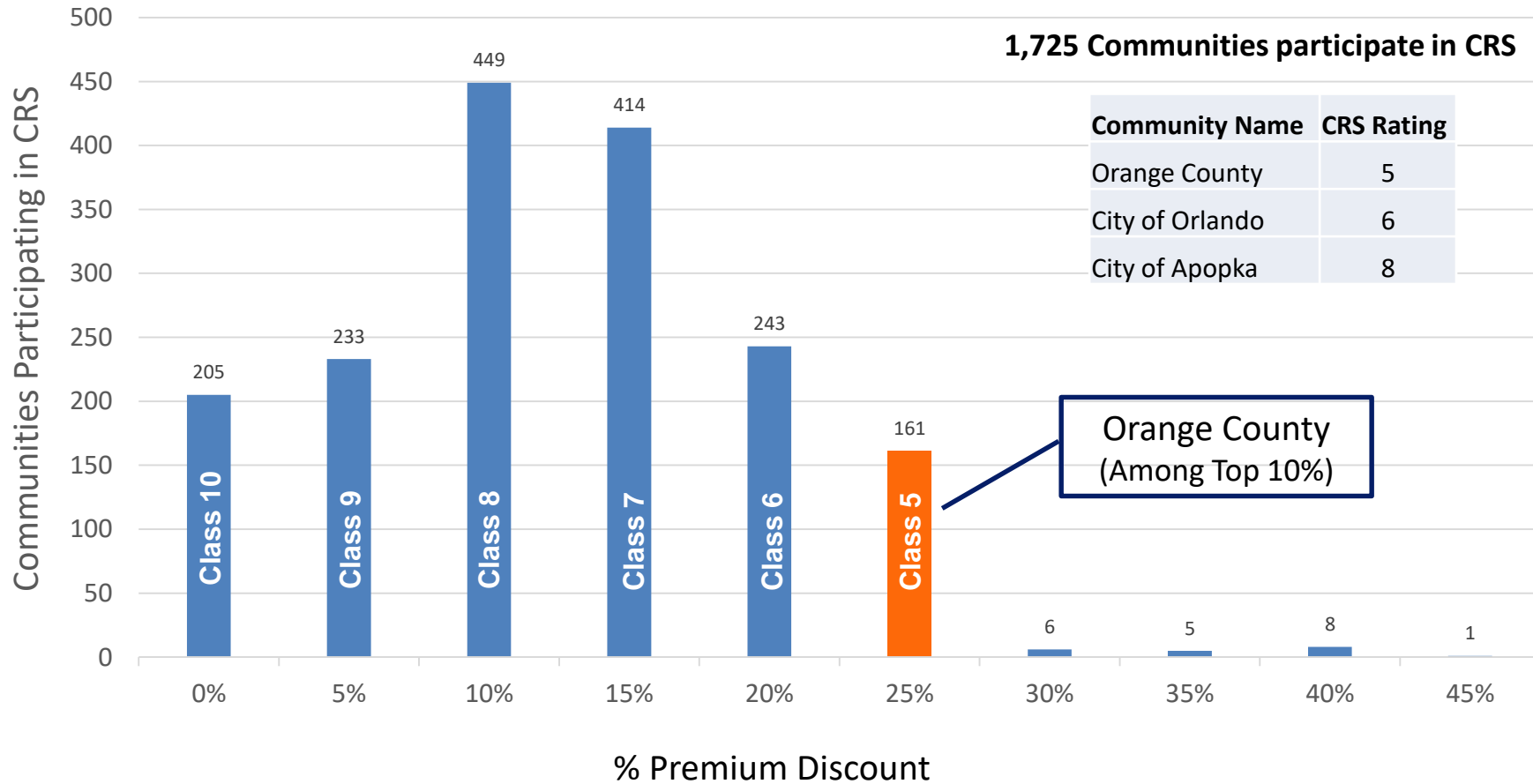


\*Unincorporated Orange County (2019 data)



# Background

## CRS Participating Communities - Nationwide





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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



Management



# Purpose

- The Florida Division of Emergency Management 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





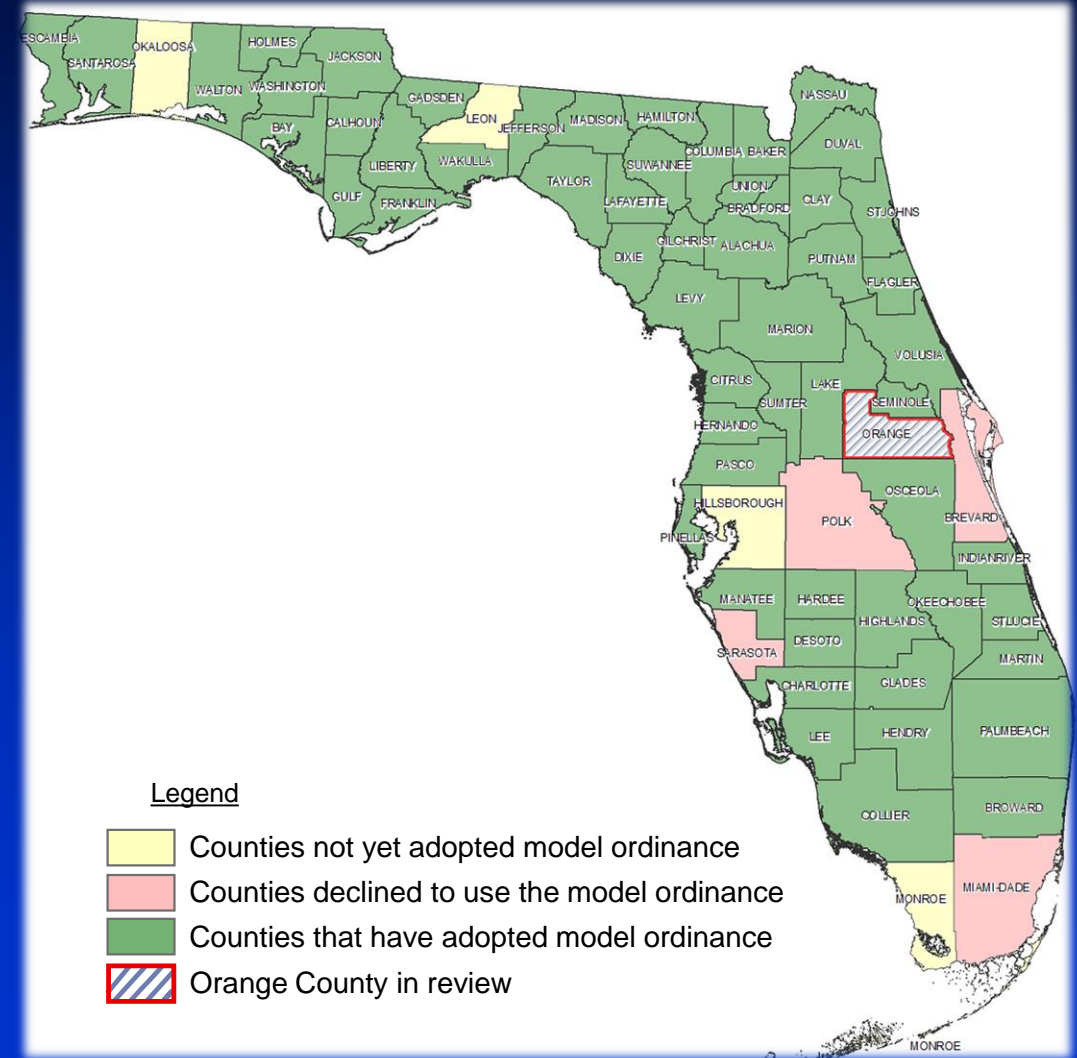
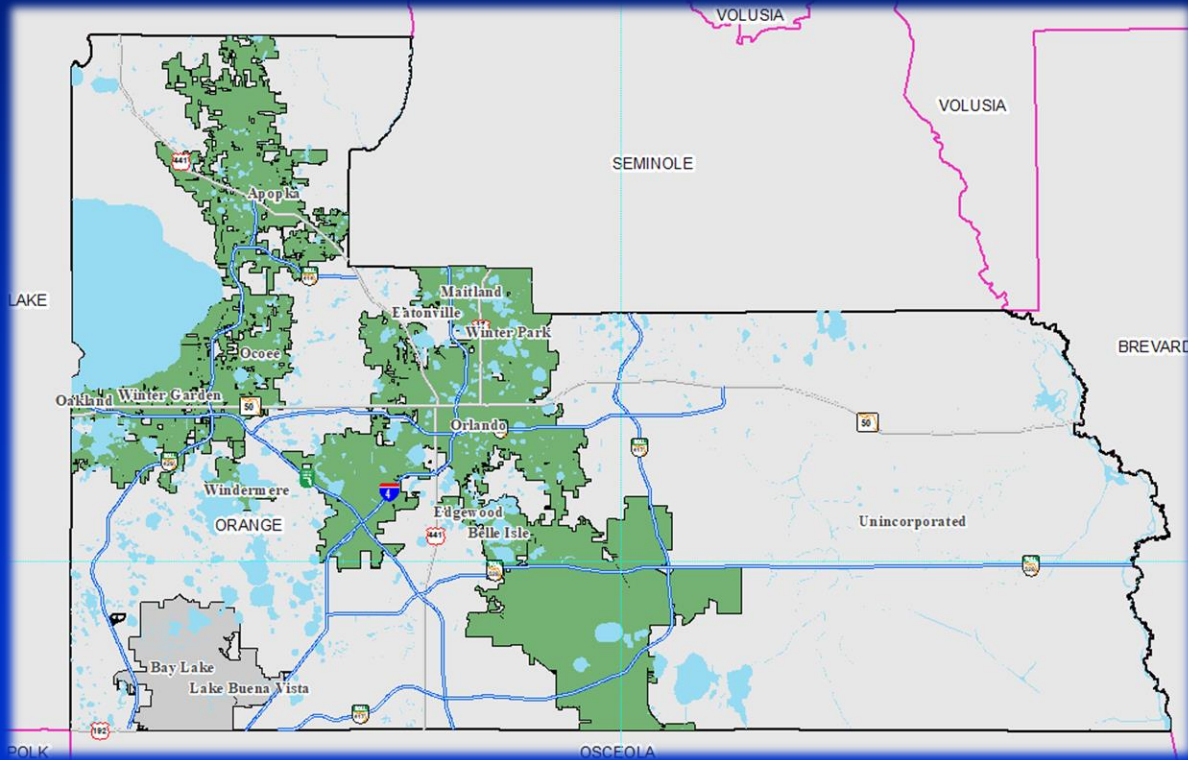
# Purpose

- **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**
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# Ordinance Overview

## Chapter 19 – Floodplain Management

- Text revised to eliminate the possibility of having conflicting or duplicate regulations
- Adds references to Florida Building Code and ASCE 24 (Flood Resistant Design and Construction)





# Ordinance Overview

## Chapter 19 – Floodplain Management

- Removal of building structural requirements from Chapter 19
- Building structural requirements referenced to Florida Building Code
  - The Florida Building Code contains flood building standards that meet or exceed the NFIP requirements







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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
- Compensation at each elevation for all storm events less than 100-year



# 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.



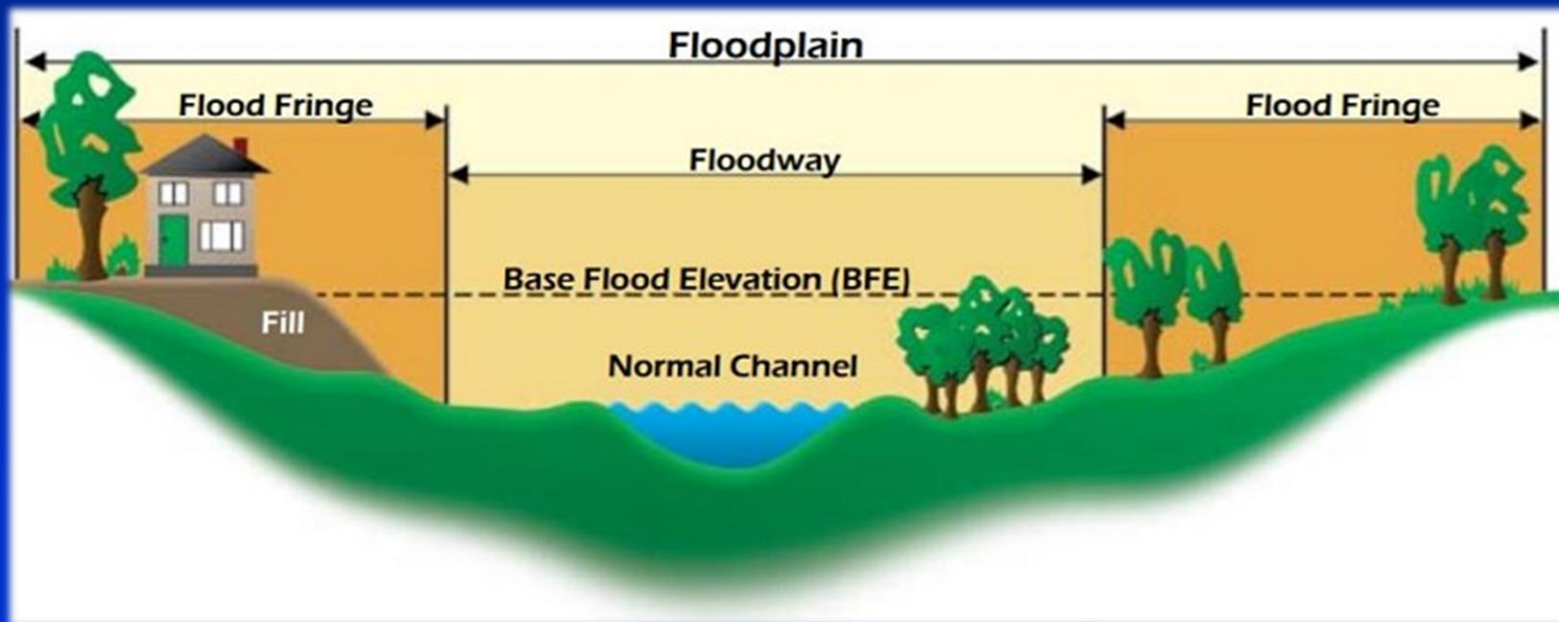


# Proposed Amendments

## 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/improvement)



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## Next Steps

- **Outreach (Professional Organizations/Stakeholders)**
- **BCC Work Session – July 27, 2021**
- **Development Advisory Board – August 14<sup>th</sup>, 2021**
- **Local Planning Agency – August 19<sup>th</sup>, 2021**
- **BCC Public Hearing – August 24<sup>th</sup>, 2021**

*Public Works Department*

**THANK YOU!**

**Proposed Amendments to  
Floodplain Management Ordinance**

**Board of County Commissioners**

**July 27<sup>th</sup>, 2021**