Harris County Water Control and Improvement District No. 110 (HCWCID 110)

Hazard Mitigation Plan

March 13, 2024

HCWCID110 2024 Hazard Mitigation Plan

- Mitigation Planning Committee (MPC) drafted
- Stakeholders and Public are encouraged to review and provide input
- There are five sections of the Plan and Appendices

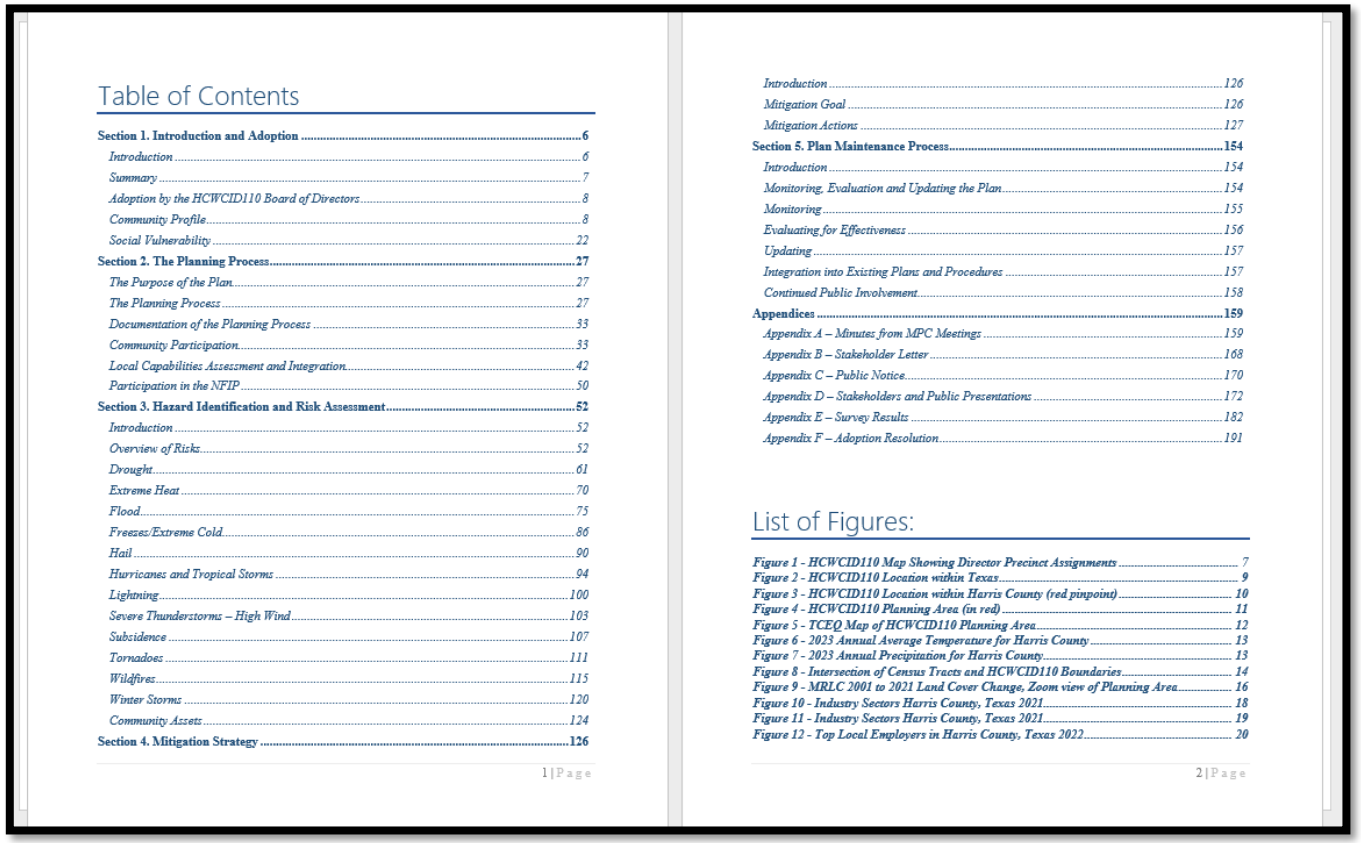
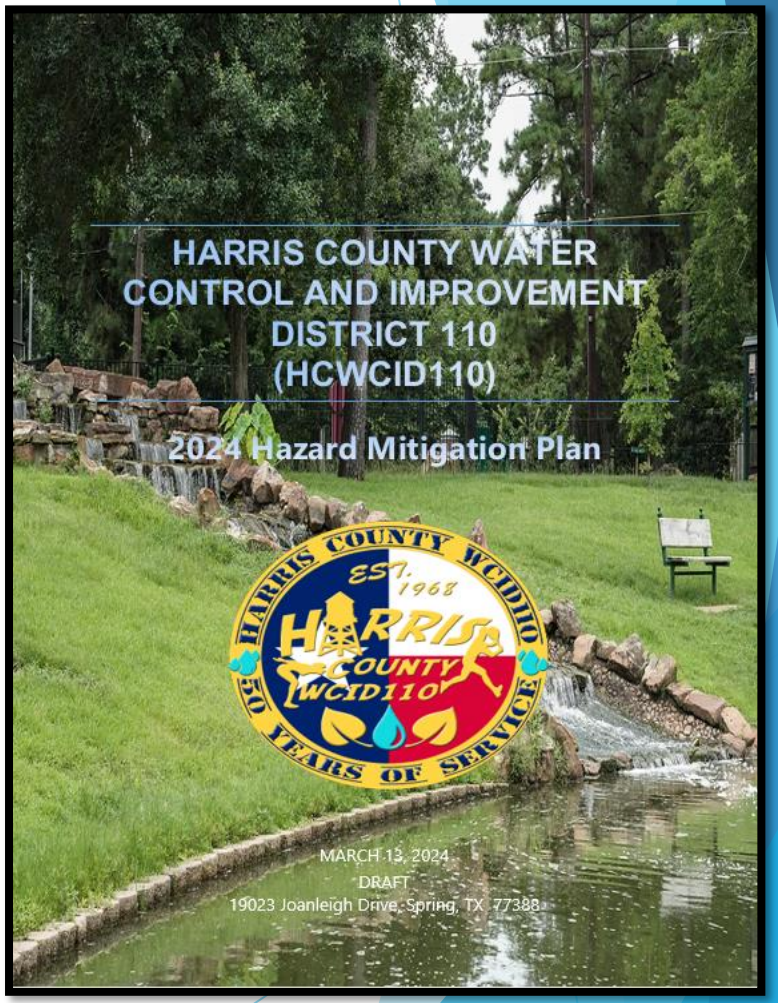


Table of Contents

Section 1. Introduction and Adoption 6
Introduction 6
Summary 7
Adoption by the HCWCID110 Board of Directors 8
Community Profile 8
Social Vulnerability 22
Section 2. The Planning Process 27
The Purpose of the Plan 27
The Planning Process 27
Documentation of the Planning Process 33
Community Participation 33
Local Capabilities Assessment and Integration 42
Participation in the NFIP 50
Section 3. Hazard Identification and Risk Assessment 52
Introduction 52
Overview of Risks 52
Drought 61
Extreme Heat 70
Flood 75
Freezes/Extreme Cold 86
Hail 90
Hurricanes and Tropical Storms 94
Lightning 100
Severe Thunderstorms – High Wind 103
Subsidence 107
Tornadoes 111
Wildfires 115
Winter Storms 120
Community Assets 124
Section 4. Mitigation Strategy 126
Introduction 126
Mitigation Goal 126
Mitigation Actions 127
Section 5. Plan Maintenance Process 154
Introduction 154
Monitoring, Evaluation and Updating the Plan 154
Monitoring 155
Evaluating for Effectiveness 156
Updating 157
Integration into Existing Plans and Procedures 157
Continued Public Involvement 158
Appendices 159
Appendix A – Minutes from MPC Meetings 159
Appendix B – Stakeholder Letter 168
Appendix C – Public Notice 170
Appendix D – Stakeholders and Public Presentations 172
Appendix E – Survey Results 182
Appendix F – Adoption Resolution 191

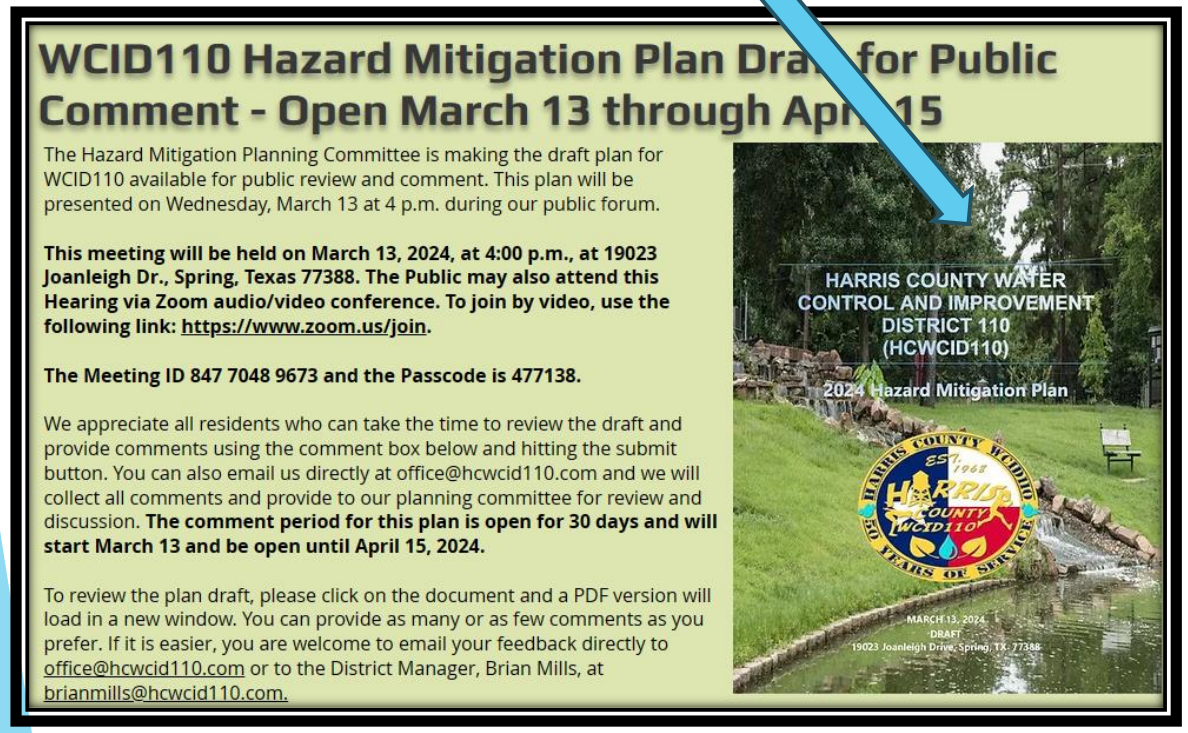
List of Figures:

Figure 1 - HCWCID110 Map Showing Director Precinct Assignments 7
Figure 2 - HCWCID110 Location within Texas 9
Figure 3 - HCWCID110 Location within Harris County (red pinpoint) 10
Figure 4 - HCWCID110 Planning Area (in red) 11
Figure 5 - TCEQ Map of HCWCID110 Planning Area 12
Figure 6 - 2023 Annual Average Temperature for Harris County 13
Figure 7 - 2023 Annual Precipitation for Harris County 13
Figure 8 - Intersection of Census Tracts and HCWCID110 Boundaries 14
Figure 9 - MRLC 2001 to 2021 Land Cover Change, Zoom view of Planning Area 16
Figure 10 - Industry Sectors Harris County, Texas 2021 18
Figure 11 - Industry Sectors Harris County, Texas 2021 19
Figure 12 - Top Local Employers in Harris County, Texas 2022 20



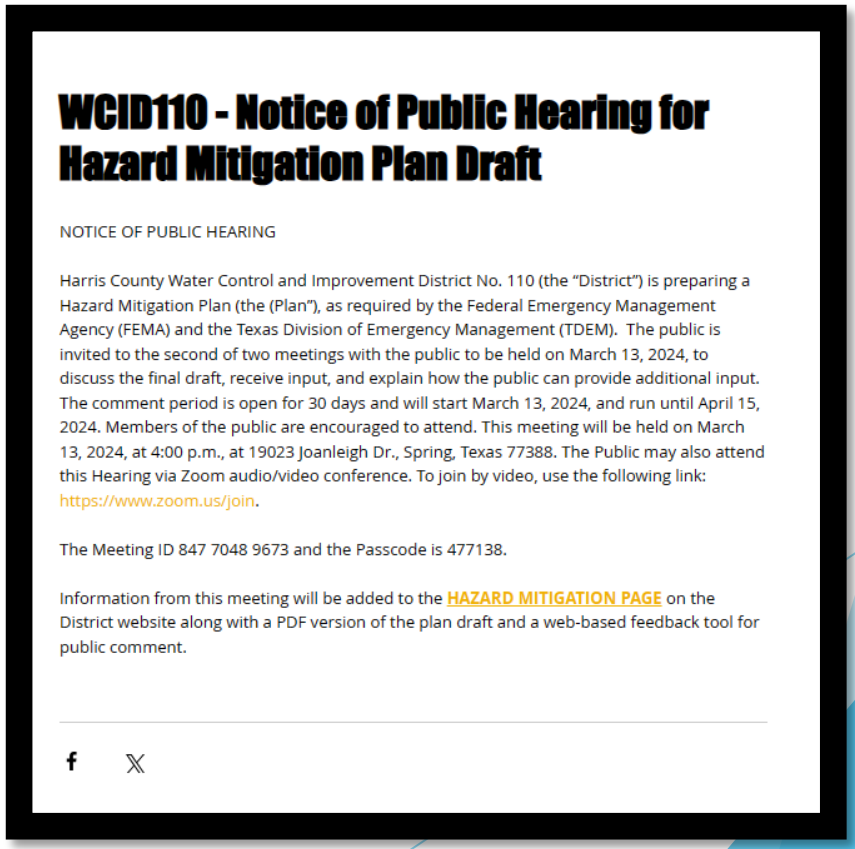
How Do I Find the Plan?

- ✓ Go to the District's Website: https://www.wcid110.com/
- ✓ Click on the Hazard Mitigation Info Banner
- ✓ Click on the Draft Plan to open



How can I Help?

- ✓ Click on the **HAZARD MITIGATION INFO** banner
- ✓ Download the Plan Draft
- ✓ Provide your feedback



WCID110 - Notice of Public Hearing for Hazard Mitigation Plan Draft

NOTICE OF PUBLIC HEARING

Harris County Water Control and Improvement District No. 110 (the "District") is preparing a Hazard Mitigation Plan (the (Plan"), as required by the Federal Emergency Management Agency (FEMA) and the Texas Division of Emergency Management (TDEM). The public is invited to the second of two meetings with the public to be held on March 13, 2024, to discuss the final draft, receive input, and explain how the public can provide additional input. The comment period is open for 30 days and will start March 13, 2024, and run until April 15, 2024. Members of the public are encouraged to attend. This meeting will be held on March 13, 2024, at 4:00 p.m., at 19023 Joanleigh Dr., Spring, Texas 77388. The Public may also attend this Hearing via Zoom audio/video conference. To join by video, use the following link: https://www.zoom.us/join.

The Meeting ID 847 7048 9673 and the Passcode is 477138.

Information from this meeting will be added to the HAZARD MITIGATION PAGE on the District website along with a PDF version of the plan draft and a web-based feedback tool for public comment.

How do I Provide Input?

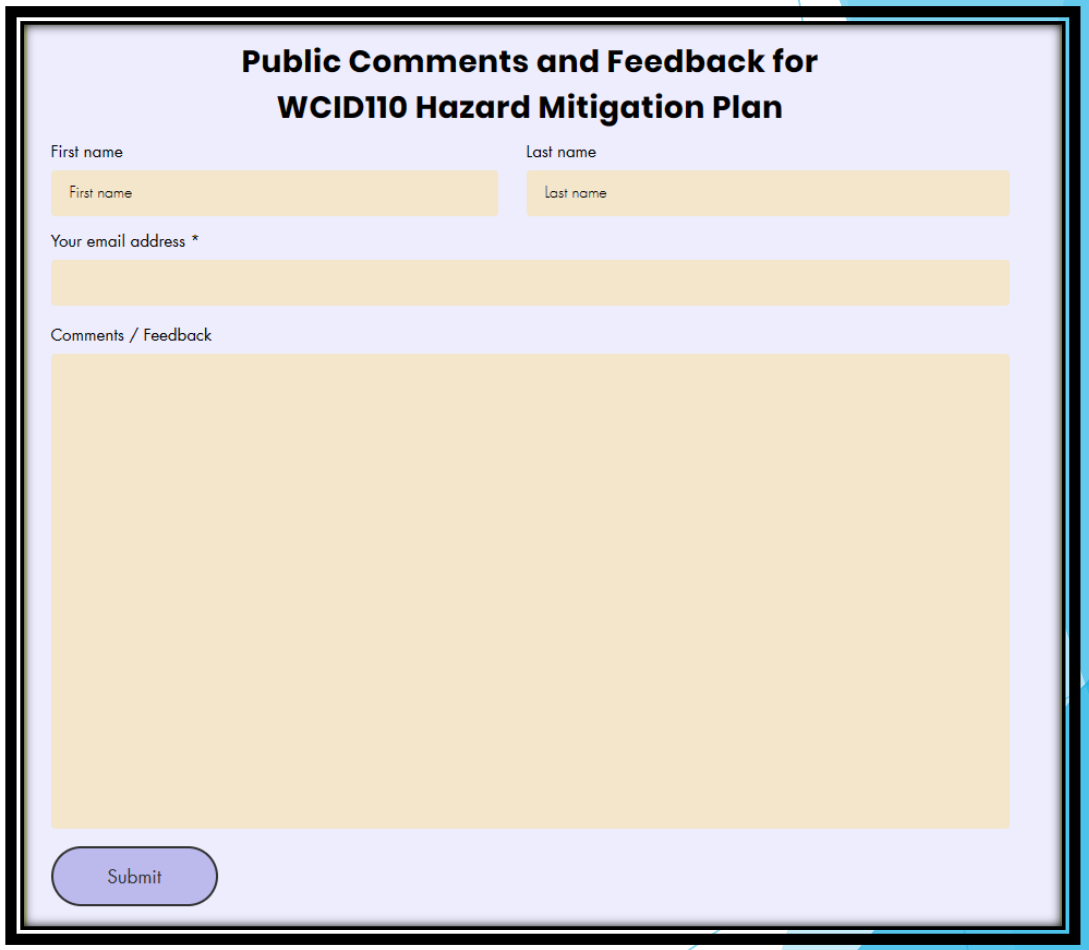
1. When ready, Click on the **HAZARD MITIGATION INFO** banner
2. Provide input through the comment box
3. Click Submit

OR

Email or mail comments

Brian Mills
District Manager
brianmills@hcwcid110.com

office@hcwcid110.com



DATES TO REMEMBER

March 2024						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

April 2024						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

- March 13th
  - Comment cycle opens
- April 15th
  - Comment cycle closes
  - All comments are reviewed for inclusion
  - Final Plan is completed
- Week of April 15-19th - Plan submitted to TDEM and FEMA for review and comment
- TBD: Plan is approved by TDEM and FEMA pending adoption by Board of Directors
- TBD: Board of Directors formally adopts approved Plan

Thank
You!
BMack's AerialVisuals