



Table of Contents

Volume I

Executive Summary ES-1

Section 1. Introduction..... 1-1

1.1 Background 1-1

1.1.1 DMA 2000 Origins -The Robert T. Stafford Disaster Relief and Emergency Assistance Act 1-1

1.1.2 Benefits of Mitigation Planning 1-2

1.2 Contents of this Plan 1-2

1.2.1 Organizations Involved in the Mitigation Planning Effort..... 1-4

1.2.2 Implementation of the 2008 Plan 1-5

1.2.3 Implementation of the Planning Process 1-5

1.2.4 Implementation of Prior and Existing Local Hazard Mitigation Plans 1-7

1.2.5 Organization of This Mitigation Plan..... 1-7

1.3 Plan Update – What is Different?..... 1-9

Section 2. Plan Adoption..... 2-1

2.1 Overview 2-1

Section 3. Planning Process 3-1

3.1 Introduction 3-1

3.2 Organization of Planning Process 3-2

3.2.1 Organization of Planning Partnership 3-2

3.2.2 Planning Activities 3-6

3.3 Stakeholder Outreach And Involvement 3-9

3.3.1 Public Outreach 3-11

3.4 Incorporation of Existing Plans, Studies, Reports, and Technical Information 3-13

3.5 Integration With Existing Planning Mechanisms and Programs 3-14

Section 4. County Profile 4-1

4.1 General Information 4-1

4.2 Physical Setting 4-2

4.2.1 Location..... 4-2

4.2.2 Topography and Geology 4-3

4.2.3 Hydrography and Hydrology..... 4-4

4.2.4 Climate 4-6

4.2.5 Land Use and Land Cover..... 4-6

4.3 Population and Demographics..... 4-7

4.4 General Building Stock 4-12

4.5 Land Use and Population Trends 4-18

4.5.1 Land Use Trends 4-18

4.5.2 Population Trends 4-20

4.6 Critical Facilities 4-20

4.6.1 Essential Facilities 4-20





4.6.2 Transportation Systems 4-24

4.6.3 Lifeline Utility Systems 4-27

4.6.4 High-Potential Loss Facilities 4-31

4.6.5 Other Facilities 4-34

Section 5. Risk Assessment 5-1

5.1 Methodology and Tools..... 5.1-1

5.1.1 Methodology 5.1-1

5.1.2 Tools..... 5.1-1

5.2 Identification of Hazards of Concern 5.2-1

5.3 Hazard Ranking 5.3-1

5.3.1 Hazard Ranking Methodology 5.3-1

5.3.2 Hazard Ranking Results 5.3-2

5.3.3 Hazards Profiles and Vulnerability Assessment 5.3-7

5.4 Hazard Profiles 5.4-1

5.4.1 Civil Unrest 5.4.1-1

5.4.2 Drought 5.4.2-1

5.4.3 Earthquake..... 5.4.3-1

5.4.4 Epidemic..... 5.4.4-1

5.4.5 Extreme Temperatures 5.4.5-1

5.4.6 Flood 5.4.6-1

5.4.7 Hazardous Materials..... 5.4.7-1

5.4.8 Severe Storm 5.4.8-1

5.4.9 Severe Winter Storm 5.4.9-1

5.4.10 Terrorism..... 5.4.10-1

5.4.11 Transportation Accident..... 5.4.11-1

5.4.12 Utility Failure 5.4.12-1

5.4.13 Wildfire 5.4.13-1

Section 6. Mitigation Strategies..... 6-1

6.1 Background and Past Mitigation Accomplishments 6-1

6.2 General Mitigation Planning Approach..... 6-1

6.3 Review and Update of Mitigation Goals and Objectives 6-2

6.3.1 Goals and Objectives..... 6-2

6.4 Capability Assessment 6-4

6.4.1 Summary of Plans, Programs and Resources Available to Support Mitigation 6-4

6.4.2 Administrative and Technical Capabilities - Local 6-14

6.4.3 Administrative and Technical Capabilities – State and Regional 6-14

6.4.4 Fiscal Capabilities-Federal and State 6-16

6.5 Mitigation Strategy Development and Update 6-20

6.5.1 Update of Municipal Mitigation Strategies 6-20

6.5.2 Update of County Mitigation Strategy 6-21

6.5.3 Mitigation Strategy Evaluation and Prioritization..... 6-22

6.5.4 Benefit/Cost Review 6-23



Section 7. Plan Maintenance Procedures 7-1
7.1 Monitoring, Evaluating and Updating the Plan 7-1
 7.1.1 Monitoring..... 7-3
 7.1.2 Evaluating..... 7-3
 7.1.3 Updating 7-5
7.2 Implementation of Mitigation Plan Through Existing Programs 7-6
7.3 Continued Public Involvement..... 7-7

Acronyms and Abbreviations AA-1

Glossary Glossary-1

References..... R-1

Appendices

- Appendix A – Sample Adoption Resolution
- Appendix B – Meeting Documentation
- Appendix C – Public and Stakeholder Outreach Documentation
- Appendix D – Action Worksheet Template
- Appendix E – Plan Review Tools
- Appendix F – Participation Matrix
- Appendix G – Critical Facilities



Volume II

Section 8. Planning Partnership.....8-1

- 8.1 Background 8-1
 - 8.1.1 Initial Solicitation..... 8-1
 - 8.1.2 Planning Partner Responsibilities..... 8-2
 - 8.1.3 Jurisdictional Annexes 8-2

Section 9. Jurisdictional Annexes9-1

- 9.1 Genesee County9.1-1
- 9.2 Town of Alabama.....9.2-1
- 9.3 Town of Alexander9.3-1
- 9.4 Village of Alexander.....9.4-1
- 9.5 Village of Attica.....9.5-1
- 9.6 City of Batavia9.6-1
- 9.7 Town of Batavia.....9.7-1
- 9.8 Town of Bergen9.8-1
- 9.9 Village of Bergen.....9.9-1
- 9.10 Town of Bethany.....9.10-1
- 9.11 Town of Byron.....9.11-1
- 9.12 Village of Corfu9.12-1
- 9.13 Town of Darien9.13-1
- 9.14 Town of Elba.....9.14-1
- 9.15 Village of Elba9.15-1
- 9.16 Town of Le Roy9.16-1
- 9.17 Village of Le Roy.....9.17-1
- 9.18 Town of Oakfield.....9.18-1
- 9.19 Village of Oakfield.....9.19-1
- 9.20 Town of Pavilion.....9.20-1
- 9.21 Town of Pembroke.....9.21-1
- 9.22 Town of Stafford.....9.22-1