

Section 5

Mitigation Strategy Requirements

Mitigation Strategy---Requirement §201.6(c)(3):

The plan **shall** include a strategy that provides the jurisdiction's blueprint for reducing the potential losses identified in the risk assessment, based on existing authorities, policies, programs and resources, and its ability to expand on and improve these existing tools.

Local Hazard Mitigation Goals---Requirement §201.6(c)(3)(i):

[The hazard mitigation strategy **shall** include a] description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards.

- Does the plan include a description of mitigation **goals** to reduce or avoid long-term vulnerabilities to the identified hazards?

Identification and Analysis of Mitigation Measures---Requirement §201.6(c)(3) (ii):

[The mitigation strategy **shall** include a] section that identifies and analyzes a comprehensive range of specific mitigation actions and projects being considered to reduce the effects of each hazard, with particular emphasis on new and existing buildings and infrastructure.

- Does the plan identify a **comprehensive range** of specific mitigation actions and projects for each hazard?
- Do the identified range of mitigation actions and projects address reducing the effects of hazards on **new** buildings and infrastructure?
- Do the identified range of mitigation actions and projects address reducing the effects of hazards on **existing** buildings and infrastructure?

Implementation of Mitigation Measures---Requirement: §201.6(c)(3) (iii):

[The mitigation strategy section **shall** include] an action plan describing how the actions identified in section (c)(3)(ii) will be prioritized, implemented, and administered by the local jurisdiction. Prioritization **shall** include a special emphasis on the extent to which benefits are maximized according to a cost benefit review of the proposed projects and their associated costs.

- Does the mitigation strategy include how the actions are **prioritized**?
- Does the mitigation strategy address how the actions will be **implemented and administered**?
- Does the prioritization process include an emphasis on the use of **cost-benefit review**?

SECTION 5

REGION 5 HAZARD MITIGATION PLAN MT. VIEW-EDGEWOOD WATER COMPANY MITIGATION STRATEGY SECTION

Table of Contents

| | |
|--|----|
| MITIGATION STRATEGY REQUIREMENTS..... | 1 |
| TABLE OF CONTENTS | 2 |
| STARTUP MITIGATION MEASURES..... | 5 |
| EXISTING MITIGATION ACTIONS | 5 |
| PLAN MAINTENANCE | 5 |
| HAZARD MITIGATION FORUM | 6 |
| PIERCE COUNTY HAZARD MITIGATION FORUM | 6 |
| WATER COMPANY MEASURES | 7 |
| CAPABILITY IDENTIFICATION AND EVALUATION..... | 7 |
| SEISMIC RETROFIT OF SOUTH RESERVOIRS | 7 |
| PURCHASE OF EMERGENCY GENERATORS | 8 |
| STORAGE AND TRANSPORT OF EMERGENCY FUEL | 8 |
| PURCHASE AND INSTALL RADIO TELEMETRY | 9 |
| EMERGENCY SUPPLY KITS FOR EMPLOYEES (EOC) | 9 |
| HYDRANT DRINKING MANIFOLD | 10 |
| PURCHASE HYDRO-EXCAVATOR..... | 10 |
| PERIMETER SECURITY WITH CARD ENTRY | 11 |
| PURCHASE VIDEO SURVEILLANCE SYSTEM | 11 |
| PURCHASE OF LAPTOPS WITH AIR CARDS FOR TELEMETRY | 12 |
| PURCHASE PROGRAMMABLE MESSAGE BOARDS | 12 |
| DEVELOP AND DOCUMENT EMERGENCY PROCEDURES | 13 |
| REPLACE 5" STOVEPIPE MAINS AND ASBESTOS MAINS..... | 13 |
| PREMISES ISOLATION PROGRAM (DOUBLE CHECK VALVES) | 14 |
| REPLACE WATER MAINS | 14 |
| NEGOTIATE AND IMPLEMENT INTERTIE WITH PUYALLUP | 15 |
| PRE-LOAD COMPANY BOUNDARIES INTO INTELICAST SYSTEM | 15 |
| UPGRADE WELL 1R + 8 TO MITIGATION LANDSLIDE HAZARD | 16 |
| ENDNOTES..... | 18 |

Table 5-1 Mt. View-Edgewood Water Company Mitigation Strategy Matrix

| Implementation Mechanism | Mitigation Measure (<i>Hazard(s)</i>) ¹ | Lead Jurisdiction(s) / Department(s) | Timeline (years) | Plan Goals | | | | | |
|--------------------------|--|--------------------------------------|------------------|-------------------|-----------------------|--------------|-------------------|--------------|---------------------|
| | | | | Life and Property | Operations Continuity | Partnerships | Natural Resources | Preparedness | Sustainable Economy |
| Startup | 1. Existing Mitigation Actions (<i>E,L,V,D,F,SW,WUI,MM</i>) | Mt. View-Edgewood Water | Ongoing | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 2. Plan Maintenance (<i>E,L,V,D,F,SW,WUI,MM</i>) | Mt. View-Edgewood Water | Ongoing | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| HMF | 1. Pierce County Hazard Mitigation Forum (<i>E,L,V,D,F,SW,WUI,MM</i>) | PCDEM; Mt. View-Edgewood Water | Ongoing | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Water Company | 1. Capability Identification and Evaluation (<i>E,L,V,D,F,SW,WUI,MM</i>) | Mt. View-Edgewood Water | 1-2 | N/A | | | | | |
| | 2. Seismic Retrofit of South Reservoirs (<i>E,SW</i>) | Mt. View-Edgewood Water | 5 | ✓ | ✓ | ✓ | | | ✓ |
| | 3. Purchase of Emergency Generators (<i>E,L,V,D,F,SW,WUI</i>) | Mt. View-Edgewood Water | 5 | ✓ | ✓ | | | | ✓ |
| | 4. Storage and Transport of Emergency Fuel (<i>E,L,V,D,F,SW,WUI</i>) | Mt. View-Edgewood Water | 5 | ✓ | ✓ | ✓ | | | ✓ |
| | 5. Purchase and Install Radio Telemetry (<i>E,L,V,D,F,SW,WUI</i>) | Mt. View-Edgewood Water | 5 | ✓ | ✓ | | | | |
| | 6. Emergency Supply Kits for Employees (EOC) (<i>E,L,V,D,F,SW,WUI,MM</i>) | Mt. View-Edgewood Water | 1-2 | ✓ | ✓ | | | ✓ | |
| | 7. Hydrant Drinking Manifold (<i>E,L,V,D,F,SW,WUI</i>) | Mt. View-Edgewood Water | 5 | ✓ | ✓ | | | | ✓ |
| | 8. Purchase Hydro-Excavator (<i>E,L,V,F,SW,WUI</i>) | Mt. View-Edgewood Water | 5 | ✓ | ✓ | | | | |
| | 9. Perimeter Security with Card Entry (<i>E,L,V,F,SW,WUI,MM</i>) | Mt. View-Edgewood Water | 5 | ✓ | ✓ | ✓ | | | |
| | 10. Purchase Video Surveillance System (<i>E,L,V,D,F,SW,WUI</i>) | Mt. View-Edgewood Water | 5 | ✓ | ✓ | | | | |
| | 11. Purchase of Laptops with Air Cards for Telemetry (<i>E,L,V,D,F,SW,WUI</i>) | Mt. View-Edgewood Water | 5 | ✓ | ✓ | | | | |
| | 12. Purchase Programmable Message Boards (<i>E,L,V,D,F,SW,WUI</i>) | Mt. View-Edgewood Water | 5 | | | ✓ | | ✓ | ✓ |
| | 13. Develop and Document Emergency Procedures (<i>E,L,V,D,F,SW,WUI,MM</i>) | Mt. View-Edgewood Water | 1-2 | ✓ | ✓ | | | | |
| | 14. Replace 5” Stovepipe Mains and Asbestos Mains (<i>E,L,V,D,F,SW,WUI</i>) | Mt. View-Edgewood Water | 5 | ✓ | ✓ | | | | ✓ |
| | 15. Premises Isolation Program (Double Check Valves) (<i>E,L,V,D,F,SW,WUI</i>) | Mt. View-Edgewood Water | 1-2 | ✓ | ✓ | | | | |
| | 16. Replace Water Mains (<i>E,L,V,D,F,SW,WUI</i>) | Mt. View-Edgewood Water | 5 | ✓ | ✓ | | | | |
| | 17. Negotiate and Implement Intertie with Puyallup (<i>E,L,V,D,F,SW,WUI,MM</i>) | Mt. View-Edgewood Water | 1-2 | ✓ | ✓ | | | | ✓ |
| | 18. Pre-load Company Boundaries into Intellicast System (<i>E,L,V,D,F,SW,WUI,MM</i>) | Mt. View-Edgewood Water | 1-2 | ✓ | ✓ | ✓ | | ✓ | |

| Implementation Mechanism | Mitigation Measure (<i>Hazard(s)</i>) ¹ | Lead Jurisdiction(s) / Department(s) | Timeline (years) | Plan Goals | | | | | |
|--------------------------|--|--------------------------------------|------------------|-------------------|-----------------------|--------------|-------------------|--------------|---------------------|
| | | | | Life and Property | Operations Continuity | Partnerships | Natural Resources | Preparedness | Sustainable Economy |
| | 19. Upgrade Well 1R + 8 to Mitigation Landslide Hazard (<i>E,L,F,SW</i>) | Mt. View-Edgewood Water | 1-2 | ✓ | ✓ | ✓ | | | |

Startup Mitigation Measures

Existing Mitigation Actions

Hazards: E, L, V, D, F, SW, WUI¹, MM²

Mt. View-Edgewood Water will continue to implement existing programs, policies, and regulations as identified in the Capability Identification Section of this Plan. This includes continuing those programs that are identified as technical and fiscal capabilities.

1. **Goal(s) Addressed** = Protect Life and Property; Promote A Sustainable Economy; Ensure Continuity of Operations; Increase Public Preparedness for Disasters; Preserve or Restore Natural Resources; Establish and Strengthen Partnerships for Implementation.
2. **Cost of Measure** = TBD
3. **Funding Source and Situation** = Funding could be accomplished with local budgets or grants.
4. **Lead Jurisdiction(s)** = Mt.View-Edgewood Water Company
5. **Timeline** = Ongoing
6. **Benefit** = Area-Wide
7. **Life of Measure** = Perpetual
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Plan Maintenance

Hazards: E, L, V, D, F, SW, WUI¹, MM²

Mt. View-Edgewood Water will adopt those processes outlined in the Plan Maintenance Section of this Plan.

1. **Goal(s) Addressed** = Protect Life and Property; Promote A Sustainable Economy; Ensure Continuity of Operations; Increase Public Preparedness for Disasters; Preserve or Restore Natural Resources; Establish and Strengthen Partnerships for Implementation.
2. **Cost of Measure** = TBD
3. **Funding Source and Situation** = Funding could be obtained through local budget.
4. **Lead Jurisdiction(s)** = Mt. View-Edgewood Water Company
5. **Timeline** = Ongoing
6. **Benefit** = Area-Wide
7. **Life of Measure** = Perpetual
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Hazard Mitigation Forum

Pierce County Hazard Mitigation Forum

Hazards: E, L, V, D, F, SW, WUI¹, MM²

Mt. View-Edgewood Water will work in conjunction with the County through the Pierce County Hazard Mitigation Forum (HMF). The Forum will continue as a means of coordinating mitigation planning efforts among all jurisdictions within the County that have completed a mitigation plan. This ensures efficient use of resources and a more cooperative approach to making a disaster resistant county. The HMF meets annually; every October. This is addressed in the Plan Maintenance Section of this Plan.

1. **Goal(s) Addressed** = Protect Life and Property; Promote A Sustainable Economy; Ensure Continuity of Operations; Increase Public Preparedness for Disasters; Preserve or Restore Natural Resources; Establish and Strengthen Partnerships for Implementation.
2. **Cost of Measure** = Minor
3. **Funding Source and Situation** = Funding could be obtained through local budget.
4. **Lead Jurisdiction(s)** = PC DEM; Mt. View-Edgewood Water Company
5. **Timeline** = Ongoing
6. **Benefit** = Regional
7. **Life of Measure** = Perpetual
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Water Company Measures

Capability Identification and Evaluation

Hazards: E, L, V, D, F, SW, WUI¹, MM²

Mt. View-Edgewood Water will develop a consistent and replicable system for evaluating capabilities. A comprehensive evaluation will lead to specific policy recommendations to more effectively achieve disaster resistant communities. Further, a capability evaluation involves measurable variables so that capabilities may eventually be tracked in conjunction with the implementation of all mitigation measures. This is a key component in evaluating the success of the overall mitigation strategy.

1. **Goal(s) Addressed** = N/A. Goals addressed are contingent upon the mitigation measures resulting from this priority.
2. **Cost of Measure** = TBD
3. **Funding Source and Situation** = Funding could be obtained through local budget or grants.
4. **Lead Jurisdiction(s)** = Mt. View-Edgewood Water Company
5. **Timeline** = Short-term
6. **Benefit** = Area-Wide
7. **Life of Measure** = Perpetual
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Seismic Retrofit of South Reservoirs

Hazards: E, SW¹

The measure will involve a seismic retrofit of the two south reservoirs (1 site) as well as seismic analysis of two reservoirs. Following the analysis, a retrofit will occur based on the results of the analysis.

1. **Goal(s) Addressed** = Protect Life and Property; Ensure Continuity of Operations; Establish and Strengthen Partnerships for Implementation; Promote A Sustainable Economy.
2. **Cost of Measure** = \$500,000 (2007 dollars)
3. **Funding Source and Situation** = Funding could be obtained through local budget and grants.
4. **Lead Jurisdiction(s)** = Mt. View-Edgewood Water Company - General Manager
5. **Timeline** = Long-term
6. **Benefit** = Two Reservoirs (2900 connections), City of Milton and Regional Partners
7. **Life of Measure** = 50 years
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Purchase of Emergency Generators

Hazards: E, L, V, D, F, SW, WUI¹

The measure is to purchase and install emergency generators for critical facilities in order to maintain water supply in times of power failure.

1. **Goal(s) Addressed** = Protect Life and Property; Ensure Continuity of Operations; Promote A Sustainable Economy.
2. **Cost of Measure** = TBD
3. **Funding Source and Situation** = Funding could be obtained through local budget and grants.
4. **Lead Jurisdiction(s)** = Mt. View-Edgewood Water Company - General Manager
5. **Timeline** = Long-Term
6. **Benefit** = Water Company and customers, City of Edgewood and Regional Partners
7. **Life of Measure** = 25 years
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Storage and Transport of Emergency Fuel

Hazards: E, L, V, D, F, SW, WUI¹

During times of power outage, it is extremely difficult to obtain fuel for trucks and generators and hard to have it delivered. This measure will set up a way to obtain and store adequate fuel throughout the storm season.

1. **Goal(s) Addressed** = Protect Life and Property; Ensure Continuity of Operations; Establish and Strengthen Partnerships for Implementation; Promote a Sustainable Economy.
2. **Cost of Measure** = Cost of storage tank and contract as necessary
3. **Funding Source and Situation** = Funding could be obtained through local budget or grants.
4. **Lead Jurisdiction(s)** = Mt. View-Edgewood Water Company - General Manager
5. **Timeline** = Long-term
6. **Benefit** = Water Company and customers, City of Edgewood and Regional Partners
7. **Life of Measure** = Perpetual
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Purchase and Install Radio Telemetry

Hazards: E, L, V, D, F, SW, WUI¹

Purchase radio telemetry system to assist with monitoring and performing field functions via radio transmission.

1. **Goal(s) Addressed** = Protect Life and Property; Ensure Continuity of Operations.
2. **Cost of Measure** = Cost of equipment plus any installation
3. **Funding Source and Situation** = Funding could be obtained through local budgets or grants.
4. **Lead Jurisdiction(s)** = Mt. View-Edgewood Water Company - General Manager
5. **Timeline** = Long-Term
6. **Benefit** = Water Company and customers, City of Edgewood and Regional Partners
7. **Life of Measure** = 5-10 years
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Emergency Supply Kits for Employees (EOC)

Hazards: E, L, V, D, F, SW, WUI¹, MM²

Purchase supplies and put together emergency kits for employees to include food, water, first aid kits and emergency communications. These items would be kept at the EOC for use during disaster response.

1. **Goal(s) Addressed** = Protect Life and Property; Ensure Continuity of Operations; Increase Public Preparedness for Disasters.
2. **Cost of Measure** = Cost of supplies and storage units
3. **Funding Source and Situation** = Funding could be obtained through local budget and grants.
4. **Lead Jurisdiction(s)** = Mt. View-Edgewood Water Company - General Manager
5. **Timeline** = Short-term
6. **Benefit** = Water Company and employees, Customers, City of Edgewood and Regional Partners
7. **Life of Measure** = 5-7 years
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Hydrant Drinking Manifold

Hazards: E, L, V, D, F, SW, WUI¹

This measure provides emergency water supply through a special manifold system that can be set up on short notice.

1. **Goal(s) Addressed** = Protect Life and Property; Ensure Continuity of Operations; Promote A Sustainable Economy.
2. **Cost of Measure** = Cost of equipment
3. **Funding Source and Situation** = Funding could be obtained through local budget or grants.
4. **Lead Jurisdiction(s)** = Mt. View-Edgewood Water Company - General Manager
5. **Timeline** = Long-term
6. **Benefit** = Water Company and customers, City of Edgewood, First Responders and Regional Partners
7. **Life of Measure** = 5-10 years
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Purchase Hydro-Excavator

Hazards: E, L, V, F, SW, WUI¹

Purchase Hydro-Excavator and train on its use.

1. **Goal(s) Addressed** = Protect Life and Property; Ensure Continuity of Operations.
2. **Cost of Measure** = Cost of equipment and training
3. **Funding Source and Situation** = Funding could be obtained through local budget or grants.
4. **Lead Jurisdiction(s)** = Mt. View-Edgewood Water Company - General Manager
5. **Timeline** = Long-term
6. **Benefit** = Water Company and customers, First responders, City of Edgewood, Regional Partners
7. **Life of Measure** = 25 years for equipment
8. **Community Reaction** = the proposal would benefit those affected with no adverse reaction from others.

Perimeter Security with Card Entry

Hazards: E, L, V, F, SW, WUI¹, MM²

Purchase and install perimeter security system that allows card entry through gates and doors.

1. **Goal(s) Addressed** = Protect life and property; Ensure continuity of operations, Establish and strengthen partnerships for implementation.
2. **Cost of Measure** = Cost of equipment, installation and training
3. **Funding Source and Situation** = Funding could be obtained through local budget or grants.
4. **Lead Jurisdiction(s)** = Mt. View-Edgewood Water Company - General Manager
5. **Timeline** = Long-term
6. **Benefit** = Water Company and customers, First Responders, City of Edgewood and Regional Partners
7. **Life of Measure** = 5-10 years on equipment
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Purchase Video Surveillance System

Hazards: E, L, V, D, F, SW, WUI¹

In an effort to increase security of water systems and ensure safety of water supply, purchase video surveillance equipment and install at primary critical locations to monitor at will for specific incidents. This equipment will also be used to determine damages or problems during and after an emergency or disaster situation.

1. **Goal(s) Addressed** = Protect Life and Property; Ensure Continuity of Operations.
2. **Cost of Measure** = Price of equipment and installation
3. **Funding Source and Situation** = Funding could be obtained through local budget or grants.
4. **Lead Jurisdiction(s)** = Mt. View-Edgewood Water Company - General Manager
5. **Timeline** = Long-term
6. **Benefit** = Water customers and employees, First Responders, City of Edgewood, Regional Partners
7. **Life of Measure** = 5-10 years on equipment
8. **Community Reaction** = the proposal would be endorsed by the entire community.

Purchase of Laptops with Air Cards for Telemetry

Hazards: E, L, V, D, F, SW, WUI¹

In conjunction with the purchase of telemetry equipment, laptops would be an additional purchase to enable truck drivers to monitor and control from service trucks.

1. **Goal(s) Addressed** = Protect Life and Property; Ensure Continuity of Operations.
2. **Cost of Measure** = Cost of laptops and air cards for each truck
3. **Funding Source and Situation** = Funding could be obtained through local budgets or grants.
4. **Lead Jurisdiction(s)** = Mt. View-Edgewood Water Company - General Manager
5. **Timeline** = Long-term
6. **Benefit** = Water Company and customers, City of Edgewood and Regional Partners
7. **Life of Measure** = 5-10 years
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Purchase Programmable Message Boards

Hazards: E, L, V, D, F, SW, WUI¹

The Water Company would like to purchase some portable message boards that are programmable to use by the roadside in the event of emergencies so that citizens can be informed. These would be a positive addition to the entire community and could be used for many different types of events.

1. **Goal(s) Addressed** = Establish and Strengthen Partnerships for Implementation; Increase Public Preparedness for Disasters; Promote a Sustainable Economy.
2. **Cost of Measure** = Cost of Equipment
3. **Funding Source and Situation** = Funding could be obtained through local budget or grants.
4. **Lead Jurisdiction(s)** = Mt. View-Edgewood Water Company - General Manager
5. **Timeline** = Long-term
6. **Benefit** = Water Company and citizens, City of Edgewood and Regional Partners
7. **Life of Measure** = 20-25 years
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Develop and Document Emergency Procedures

Hazards: E, L, V, D, F, SW, WUI¹, MM²

Using Stover Writing Service, develop and document emergency procedures for the Water Company.

1. **Goal(s) Addressed** = Protect Life and Property; Ensure Continuity of Operations.
2. **Cost of Measure** = Cost of consultant and staff time for development
3. **Funding Source and Situation** = Funding could be obtained through local budget or grants.
4. **Lead Jurisdiction(s)** = Mt. View-Edgewood Water Company - General Manager
5. **Timeline** = Short-term
6. **Benefit** = Water Company and customers, City of Edgewood, Regional partners
7. **Life of Measure** = Perpetual
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Replace 5" Stovepipe Mains and Asbestos Mains

Hazards: E, L, V, D, F, SW, WUI¹

The Water Company plans to develop a program for replacing existing 5" stovepipe mains and asbestos mains that pose a risk with landslide and potential contamination if broken.

1. **Goal(s) Addressed** = Protect Life and Property; Ensure Continuity of Operations; Promote A Sustainable Economy.
2. **Cost of Measure** = Labor and Materials
3. **Funding Source and Situation** = Funding could be obtained through local budget or grants.
4. **Lead Jurisdiction(s)** = Mt. View-Edgewood Water Company - General Manager
5. **Timeline** = Long-term
6. **Benefit** = Water Company and customers, City of Edgewood, Regional Partners
7. **Life of Measure** = 50 years
8. **Community Reaction** = the proposal would benefit those affected with no adverse reaction from others.

Premises Isolation Program (Double Check Valves)

Hazards: E, L, V, D, F, SW, WUI¹

To insure the ability to isolate particular locations if there are problems with the lines or the water supply.

1. **Goal(s) Addressed** = Protect Life and Property; Ensure Continuity of Operations.
2. **Cost of Measure** = TBD
3. **Funding Source and Situation** = Funding could be obtained through local budgets or grants.
4. **Lead Jurisdiction(s)** = Mt. View-Edgewood Water Company - General Manager
5. **Timeline** = Short-term
6. **Benefit** = Water Company and customers, City of Edgewood and Regional Partners
7. **Life of Measure** = Varies
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Replace Water Mains

Hazards: E, L, V, D, F, SW, WUI¹

This is a project for under water, bell and spigot replacement of mains.

1. **Goal(s) Addressed** = Protect Life and Property; Ensure Continuity of Operations.
2. **Cost of Measure** = Cost of Equipment and installation
3. **Funding Source and Situation** = Funding could be obtained through local budget and grants.
4. **Lead Jurisdiction(s)** = Mt. View-Edgewood Water Company - General Manager
5. **Timeline** = Long-term
6. **Benefit** = Water Company and customers, City of Edgewood Residents and Regional Partners
7. **Life of Measure** = 50 years
8. **Community Reaction** = the proposal would benefit those affected with no adverse reaction from others.

Negotiate and Implement Intertie with Puyallup

Hazards: E, L, V, D, F, SW, WUI¹, MM²

The Water Company desires to negotiate and implement an intertie agreement with the City of Puyallup and their water district. This will lend reliability and emergency water supply in times of need.

1. **Goal(s) Addressed** = Protect Life and Property; Ensure Continuity of Operations; Promote a Sustainable Economy.
2. **Cost of Measure** = TBD
3. **Funding Source and Situation** = Funding could be obtained through local budget and grants.
4. **Lead Jurisdiction(s)** = Mt. View-Edgewood Water Company - General Manager
5. **Timeline** = Short-term
6. **Benefit** = Water Company and customers, City of Edgewood, and Regional Partners
7. **Life of Measure** = Perpetual
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Pre-load Company Boundaries into Intellicast System

Hazards: E, L, V, D, F, SW, WUI¹, MM²

The Intellicast System is a Reverse 911 system that is operated by the County DEM and available to all contract partners to be used in emergency and disaster situations. Currently there are no water districts or utilities loaded into the system but that is a goal of the county and the utility systems. Pre-loading boundaries for the water company into the Intellicast System will ensure timely response to emergency situations in the future.

1. **Goal(s) Addressed** = Protect Life and Property; Ensure Continuity of Operations; Establish and Strengthen Partnerships for Implementation; Increase Public Preparedness for Disasters.
2. **Cost of Measure** = Staff time
3. **Funding Source and Situation** = Funding could be obtained through local budget.
4. **Lead Jurisdiction(s)** = Mt. View-Edgewood Water Company - General Manager
5. **Timeline** = Short-term
6. **Benefit** = City of Edgewood citizens and Regional Partners
7. **Life of Measure** = Perpetual
8. **Community Reaction** = the proposal is likely to be endorsed by the entire community.

Upgrade Well 1R + 8 to Mitigation Landslide Hazard

Hazards: E, L, F, SW¹

Well 1R + 8 is in a noted landslide hazard area and would benefit from these mitigation measures prior to an event.

1. **Goal(s) Addressed** = Protect Life and Property; Ensure Continuity of Operations; Establish and Strengthen Partnerships for Implementation.
2. **Cost of Measure** = Labor and materials
3. **Funding Source and Situation** = Funding could be obtained through local budget and grants.
4. **Lead Jurisdiction(s)** = Mt. View-Edgewood Water Company - General Manager
5. **Timeline** = Short-term
6. **Benefit** = Water Company and customers, City of Edgewood residents and Regional Partners
7. **Life of Measure** = 25 years
8. **Community Reaction** = the proposal would benefit those affected with no adverse reaction from others.

(This page intentionally left blank)

Endnotes

¹ Hazard Codes:

Where necessary, the specific hazards addressed are noted as follows:

| | |
|-------------------|--|
| A: | Avalanche |
| E: | Earthquake |
| F: | Flood |
| D: | Drought |
| T: | Tsunami |
| V(L OR T): | Volcanic (lahar or tephra-specific) |
| SW: | Severe Storm (wind-specific) |
| L: | Landslide |
| WUI: | Wildland/Urban Interface Fire |
| MM: | Manmade to include terrorism |
| ALL: | All hazards, including some man made. Where only natural hazards are addressed, it is noted. |

² While this Plan is strictly a *Natural* hazard mitigation plan, where a measure stems from a facility recommendation (Infrastructure Section) that deals specifically with terrorism, the mitigation strategy will use that analysis. Other measures, such as those that deal with multi-hazard community preparedness or recovery planning, mitigate man-made hazards and are noted as such. It is not the intent of this notation to imply that all measures were analyzed with regards to man-made hazards or that measures were identified with that in mind. Rather, the notation merely illustrates the potential on this template for the inclusion of man-made hazard analysis.