

## 4.0 GOALS, OBJECTIVES, AND ACTION ITEMS

### 4.1 Overview

The purpose of District Hazard Mitigation Plan is to reduce the impacts of future natural disasters on the district's facilities, students, staff and volunteers. That is, the purpose is to make the Toledo School District more disaster resistant and disaster resilient, by reducing the vulnerability to disasters and enhancing the capability to respond effectively to, and recover quickly from, future disasters.

Completely eliminating the risk of future disasters in the Toledo School District is neither technologically possible nor economically feasible. However, substantially reducing the negative impacts of future disasters is achievable with the adoption of this pragmatic Hazard Mitigation Plan and ongoing implementation of risk reducing action items. Incorporating risk reduction strategies and action items into the District's existing programs and decision making processes will facilitate moving the Toledo School District toward a safer and more disaster resistant future.

The Toledo School District Hazard Mitigation Plan is based on a four-step framework that is designed to help focus attention and action on successful mitigation strategies: Mission Statement, Goals, Objectives, and Action Items.

**Mission Statement.** The Mission Statement states the purpose and defines the primary function of the Toledo School District Hazard Mitigation Plan. The Mission Statement is an action-oriented summary that answers the question "Why develop a hazard mitigation plan?"

**Goals.** Goals identify priorities and specify how the Toledo School District intends to work toward reducing the risks from natural and human-caused hazards. The Goals represent the guiding principles toward which the District's efforts are directed. Goals provide focus for the more specific issues, recommendations, and actions addressed in Objectives and Action Items.

**Objectives.** Each Goal has Objectives which specify the directions, methods, processes, or steps necessary to accomplish the Toledo School District Hazard Mitigation Plan's Goals. Objectives lead directly to specific Action Items.

**Action Items.** Action Items are specific, well-defined activities or projects that work to reduce risk. That is, the Action Items represent the specific, implementable steps necessary to achieve the District's Mission Statement, Goals, and Objectives.

## 4.2 Mission Statement

The mission statement for the Toledo School District Hazard Mitigation Plan is to:

**Proactively facilitate and support district-wide policies, practices, and programs that make the Toledo School District more disaster resistant and disaster resilient.**

Making the Toledo School District more disaster resistant and disaster resilient means taking proactive steps and actions to:

- Protect life safety,
- Reduce damage to district facilities,
- Minimize economic losses and disruption, and
- Shorten the recovery period from future disasters.

## 4.3 Mitigation Plan Goals and Objectives

The following Goals and Objectives serve as guideposts and checklists to begin the process of implementing mitigation Action Items to reduce identified risks to the District's facilities, students, staff, and volunteers from natural disasters.

The Goals and Objectives are consistent with those in the Washington State K–12 Facilities Hazard Mitigation Plan. However, the specific priorities, emphasis, and language in this mitigation plan are the Toledo School District's. These goals were developed with extensive input and priority setting by the Toledo District's hazard mitigation planning team, with inputs from district staff, volunteers, parents, students, and other stakeholders in the communities served by the District.

### **Goal 1: Reduce Threats to Life Safety**

Reducing threats to life safety is the highest priority for the Toledo School District.

#### **Objectives:**

- A. Enhance life safety by retrofitting existing buildings or replacing them with new current-code buildings and by locating and designing new schools to minimize life safety risk from future disaster events.
- B. Develop robust disaster evacuation plans and conduct frequent practice drills. When evacuation is impossible in the anticipated warning time, consider vertical evacuation for tsunamis, other physical measures to shorten evacuation time, such as pedestrian bridges over rivers, or relocate campuses with extreme life safety risk to locations outside of hazard zones when possible.
- C. Enhance life safety by improving public awareness of earthquakes, tsunamis, volcanic events, and other natural hazards that pose substantial life safety risk to the District's facilities, students, staff, and volunteers.

**Goal 2: Reduce Damage to District Facilities, Economic Losses, and Disruption of the District's Services**

**Objectives:**

- A. Retrofit or replace existing buildings with a high vulnerability to one or more natural hazards to reduce damage, economic loss, and disruption in future disaster events.
- B. Ensure that new facilities are adequately designed for hazard events and located outside of mapped high hazard zones to minimize damage and loss of function in future disaster events, to the extent practicable.

**Goal 3: Enhance Emergency Planning, Disaster Response, and Post-Disaster Recovery**

**Objectives:**

- A. Enhance collaboration and coordination between the District, local governments, utilities, businesses, and citizens to prepare for, and recover from, future natural disaster events.
- B. Enhance emergency planning to facilitate effective response and rapid recovery from future natural disaster events.

**Goal 4: Increase Awareness and Understanding of Natural Hazards and Mitigation**

**Objectives:**

- A. Implement education and outreach efforts to increase awareness of natural hazards throughout the Toledo School District, including staff, parents, teachers, and the entire communities served by the District.
- B. Maintain and publicize a natural hazards section in the high school library with FEMA and other publications and distribute FEMA and other brochures and other educational materials regarding natural hazards.

**4.4 Toledo School District Hazard Mitigation Plan Action Items**

Mitigation Action Items may include a wide range of measures such as: refinement of policies, studies, and data collection to better characterize hazards or risk, education, or outreach activities, enhanced emergency planning, partnership building activities, as well as retrofits to existing facilities or replacement of vulnerable facilities with new current-code buildings.

The 2015 Toledo School District's Hazard Mitigation Plan Action Items are summarized on the following page

**Table 4.1  
Toledo School District Mitigation Action Items**

| Hazard                                      | Action Item   | Timeline | Responsible Party | Plan Goals Addressed |                    |                            |                                 |
|---|---|----------|-------------------|----------------------|--------------------|----------------------------|---------------------------------|
|   |   |          |                   | Life Safety          | Protect Facilities | Enhance Emergency Planning | Enhance Awareness and Education |
| <b>Multi-Hazard Mitigation Action Items</b> |   |          |                   |                      |                    |                            |                                 |
| Long-Term #1                                | Integrate the findings and action items in the mitigation plan into ongoing programs and practices for the district.                                      | Ongoing  | Supt.             | X                    | X                  | X                          | X                               |
| Long-Term #2                                | Review emergency and evacuation planning to incorporate hazard and risk information from the mitigation plan.   | Ongoing  | Supt.             | X                    | X                  | X                          | X                               |
| Long-Term #3                                | Consider natural hazards whenever siting new facilities and locate new facilities outside of high hazard areas.   | Ongoing  | Supt.             | X                    | X                  | X                          | X                               |
| Long-Term #4                                | Ensure that new facilities are adequately designed to minimize risk from natural hazards.   | Ongoing  | Supt.             | X                    | X                  | X                          | X                               |
| Long-Term #5                                | Maintain, update and enhance facility data and natural hazards data in the ICOS database.   | Ongoing  | Supt.             | X                    | X                  | X                          | X                               |
| Long-Term #6                                | Develop and distribute educational materials regarding natural hazards, vulnerability and risk for K-12 facilities.                                       | Ongoing  | Supt.             | X                    |                    | X                          | X                               |
| Long-Term #7                                | Seek FEMA funding for repairs if district facilities suffer damage in a FEMA declared disaster.   | Ongoing  | Supt.             | X                    | X                  |                            | X                               |
| Long-Term #8                                | Pursue pre- and post-disaster mitigation grants from FEMA and other sources.  | Ongoing  | Supt.             | X                    | X                  |                            | X                               |
| Long-Term #9                                | Post the district's mitigation plan on the website and encourage comments stakeholders for the ongoing review and periodic update of the mitigation plan. | Ongoing  | Supt.             | X                    |                    |                            | X                               |

**Table 4.2  
Toledo School District Mitigation Action Items – Continued**

| Hazard                                    | Action Item   | Timeline  | Responsible Party | Plan Goals Addressed |                    |                            |                                 |
|---|---|-----------|-------------------|----------------------|--------------------|----------------------------|---------------------------------|
|   |   |           |                   | Life Safety          | Protect Facilities | Enhance Emergency Planning | Enhance Awareness and Education |
| <b>Earthquake Mitigation Action Items</b> |   |           |                   |                      |                    |                            |                                 |
| Short-Term #1                             | Evaluate the seismic vulnerability of the 1950s portions of the Elementary and Middle Schools by having a structural engineer complete an ASCE 41-13 Tier 1 evaluation.   | 1-2 Years | Supt.             | X                    | X                  |                            | X                               |
| Short-Term #2                             | Have a structural engineer review the drawings of the remodel of the High School to verify that necessary structural seismic mitigation measures were included. If not, complete an ASCE 41-13 Tier 1 evaluation. | 1-2 Years | Supt.             | X                    | X                  |                            | X                               |
| Short-Term #3                             | Assess the ASCE 41-13 results and select buildings or building parts that have the greatest vulnerability for more detailed evaluations.  | 1-3 Years | Supt.             | X                    | X                  |                            | X                               |
| Short-Term #4                             | Evaluate the foundations of the portable buildings to determine whether they are adequate for earthquakes.  | 1-3 Years | Supt.             | X                    | X                  |                            | X                               |
| Long-Term #1                              | Prioritize and implement seismic retrofits or replacements based on the results of the detailed evaluations, as funding becomes available.  | Ongoing   | Supt.             | X                    | X                  |                            | X                               |
| Long-Term #2                              | Maintain and update building data for seismic risk assessments in the OSPI ICOS PDM database.   | Ongoing   | Supt.             | X                    | X                  |                            | X                               |
| Long-Term #3                              | Enhance emergency planning for earthquakes including duck and cover and evacuation drills.  | Ongoing   | Supt.             | X                    |                    | X                          | X                               |

**Table 4.3  
Toledo School District Mitigation Action Items – Continued**

| Hazard  | Action Item  | Timeline | Responsible Party | Plan Goals Addressed |                    |                            |                                 |
|---|--|----------|-------------------|----------------------|--------------------|----------------------------|---------------------------------|
|   |  |          |                   | Life Safety          | Protect Facilities | Enhance Emergency Planning | Enhance Awareness and Education |
| <b>Volcanic Hazards Mitigation Action Items</b> |  |          |                   |                      |                    |                            |                                 |
| Short-Term #1                                   | Develop and practice an emergency evacuation plan, with designated evacuation methods and routes to the nearest safe haven location. | 1 Year   | Supt.             | X                    |                    | X                          | X                               |
| Short-Term #2                                   | Develop emergency evacuation protocols for pre-emptive evacuation when USGS volcano warning levels reach a pre-determined level.     | 1 Year   | Supt.             | X                    |                    | X                          | X                               |
| Short-Term #4                                   | Update public education, emergency notification procedures and emergency planning for volcanic events, including ash fall events.    | 1 Year   | Supt.             | X                    |                    | X                          | X                               |

**Table 4.4  
Toledo School District Mitigation Action Items – Continued**

| Hazard                               | Action Item   | Timeline  | Responsible Party | Plan Goals Addressed |                    |                            |                                 |
|--------------------------------------|---|-----------|-------------------|----------------------|--------------------|----------------------------|---------------------------------|
|                                      |   |           |                   | Life Safety          | Protect Facilities | Enhance Emergency Planning | Enhance Awareness and Education |
| <b>Flood Mitigation Action Items</b> |   |           |                   |                      |                    |                            |                                 |
| Short-Term #1                        | Enhance emergency planning, including flood response measures such as sandbagging, for the Elementary School which has significant flood risk.  | 1-2 Years | Supt.             | X                    | X                  | X                          | X                               |
| Short-Term #2                        | Obtain the dam failure inundation maps for the dams on the Cowlitz River impounding Mayfield and Riffe Lakes to evaluate the level of risk to the district's campuses and enhance evacuation planning as necessary. | 1-2 Years | Supt.             | X                    |                    | X                          | X                               |
| Long-Term #1                         | Consider replacement of the Elementary School in lieu of future major remodeling or completing a major seismic retrofit, to locate a new school out of the floodplain.  | 1-2 Years | Supt.             | X                    | X                  | X                          | X                               |

**Table 4.5  
Toledo School District Mitigation Action Items – Continued**

| Hazard                                   | Action Item   | Timeline  | Responsible Party | Plan Goals Addressed |                    |                            |                                 |
|--|---|-----------|-------------------|----------------------|--------------------|----------------------------|---------------------------------|
|  |   |           |                   | Life Safety          | Protect Facilities | Enhance Emergency Planning | Enhance Awareness and Education |
| <b>Landslide Mitigation Action Items</b> |   |           |                   |                      |                    |                            |                                 |
| Short-Term #1                            | Consult with a geologist or geotechnical engineer regarding possible landslide risk from the steep slope on the south side of the Middle School | 1-2 Years | Supt.             | X                    | X                  | X                          | X                               |
| Short-Term #2                            | Complete slope stabilization of the slope between the cemetery and the campus by planting suitable, low-maintenance vegetation.                 | Ongoing   | Supt.             | X                    | X                  | X                          | X                               |