

ADDENDUM 4

North Thurston Public Schools

Background

North Thurston Public Schools encompass 74 square miles of northeastern Thurston County, with the City of Lacey at its core. There are currently 19 schools: 12 elementary, three middle, and four high schools, in addition to three district buildings. North Thurston Public Schools (NTPS) currently employs 1,554 staff, and served approximately 12,800 students during the 2003-2004 school year. A fleet of 106 buses safely transports students to and from school and other school-related events, traveling approximately 6,000 miles each day.

Plan Purpose

The following purposes for which the County Plan was developed also apply to the North Thurston Public Schools:

- **Provide a Methodical Approach to Mitigation Planning.** The process identifies vulnerabilities to future disasters and proposes the mitigation initiatives necessary to avoid or minimize those vulnerabilities.
- **Create a Decision-Making Tool for Policy and Decision Makers.** The plan is intended to provide basic information needed by managers and leaders of local government, business, industry, community associations, and other key institutions and organizations to take actions to address vulnerabilities to natural disasters. It also provides proposals for specific projects and programs that are needed to eliminate or minimize those vulnerabilities.
- **Promote Compliance with State and Federal Program Requirements.** The *Disaster Mitigation Act of 2000 (Public Law 106-390)*, established a requirement that, for all disasters declared on or after November 1, 2004, applicants for grants for disaster mitigation funds must have an approved local mitigation plan.
- **Assure Inter-Jurisdictional Coordination.** A key purpose of the planning process is to ensure that proposals for mitigation initiatives are reviewed and coordinated among the participating jurisdictions with the county. This will provide a high level of confidence that mitigation initiatives proposed by one jurisdiction or participating organization will be compatible with the interests of adjacent jurisdictions.

Planning Partners and Plan Development

Stakeholders in this effort are Bratrud Middleton Insurance Company, the Lacey Police, Fire, and Planning Departments, and North Thurston Public Schools staff from the Superintendent's Office, Construction Design, Risk Management, Operations Department, Technology Services, Transportation Department, and Food Services Department.

Date	Activity	Subject
May 5, 2004	Planning Meeting	Beginning outline of Hazards Mitigation Plan. Ted Perkins, Director of Operations, NTPS; Marta Reinhold, Supervisor, Grounds, NTPS; Loretta Brown, Operations Coordinator, NTPS; Paula Hill, Office Professional.
May 12, 2004	Plan Presentation	Present Plan to Administrative Representative. Pete Kerl, Assistant Superintendent, NTPS; Mike Lavery, Director of Construction and Design, NTPS; Ted Perkins, Director of Operations, NTPS.
May 13, 2004	Draft	Inclusion Letter. Pete Kerl, Assistant Superintendent, NTPS.
May 27, 2004	Team Meeting	Develop mitigation priorities. Pete Kerl, Assistant Superintendent, NTPS; Mike Lavery, Director of Construction and Design, NTPS; Ted Perkins, Director of Operations, NTPS; Tim Fieldson, Information Technology Manager, NTPS; Chris Cooley, Telecommunications Specialist, NTPS.
June 10, 2004	Complete Draft	Approval from teams in plan. Ted Perkins, Director of Operations, NTPS.
June 11, 2004	Community Team Members	Meeting to share program and matrix. Mike Lavery, Director of Construction and Design, NTPS; Ted Perkins, Director of Operations, NTPS; Tim Fieldson, Information Technology Manager, NTPS; Ron McCarty, Director of Transportation, NTPS; John Neff, Building Official, City of Lacey; Tom Miller, Fire Marshal, Lacey Fire District #3.
June 25, 2004	Review	Review NTPS Plan with City of Lacey, Lacey Fire Department, and Thurston County to ensure plan is compatible. Pete Kerl, Assistant Superintendent, NTPS; Shawn Lewis, Chief Financial Officer, NTPS; Corine Pennington, Financial Services Director, NTPS; Mike Lavery, Director of Construction and Design, NTPS; Ted Perkins, Director of Operations, NTPS; Ron McCarty, Director of Transportation, NTPS; Tim Fieldsend, Information Technology Manager, NTPS; Sharon Worgum, Director of Food and Nutrition, NTPS; Sue Tornay, Director of Risk Management, NTPS; John Neff, Building Official, City of Lacey.

Public Participation

The public participation portion of the planning process was three-fold and spanned over two months. First, there was an opportunity for community input at the North Thurston Public Schools Board meeting on November 15, 2004. There was also natural hazards mitigation informational material available to those who attended the meeting. Several comments and suggestions were received at that time and the draft plan was revised. The public meeting was advertised in *The Olympian* on October 6 and 13, 2004.

Second, during the months of November and December, a copy of the draft plan was made available at the North Thurston Public Schools website at the following link:

http://www.nthurston.k12.wa.us/forms/maintenance/ntps_hazard_mitigation_plan.pdf.

Third, information regarding the draft plan and natural hazards mitigation went into individual school newsletters during the months of November and December 2004. Comments were also requested on the draft plan at that time.

Comments and suggestions from all three community involvement efforts were considered and revisions were made to the draft plan, as appropriate, prior to the Board's consideration on January 18, 2005.

Mitigation Goals

The goals of the plan are to:

- Ensure all sectors of the community work together to create a disaster resistant community.
- Ensure local and state entities have the capability to develop, implement, and maintain effective natural hazards mitigation programs in the Thurston County region.
- Reduce the vulnerability to natural hazards in order to protect the health, safety, and welfare of NTPS staff, students, and visitors in its facilities.
- Ensure NTPS staff, students, and families understand the natural hazards of the Thurston region and are aware of ways to reduce the personal vulnerability to those hazards.

Risk Assessment

Based on County and other local jurisdictional *Hazard Identification and Vulnerability Analysis (HIVA)* reports that storms, earthquakes, floods, and landslides have been identified as the most likely natural hazards to occur in the Thurston Region, North Thurston Public Schools agrees with the Thurston County HIVA that NTPS facilities are vulnerable to earthquakes and storms; however, both flood and landslide risks are low due to facility locations.

Implementation

The NTPS Assistant Superintendent for Administrative Services will implement the District's mitigation plan based on funding availability and funding priorities. The District will utilize funds from the annual operating budget, as well as funds from current and future bonds and grants.

Monitoring, Evaluation, and Updating the Plan

The Emergency Management Council of Thurston County will review this plan for conformance with the Thurston Regional Plan. Subsequent to that review and approval by the Washington State Hazard Mitigation Program Manager and by FEMA, the plan will be forwarded to the Emergency Council of Thurston County for incorporation into the existing *Natural Hazards Mitigation Plan for the Thurston Region*. North Thurston Public Schools will then become a part of the planning workgroup, carry out the responsibilities outlined in the plan, and participate in future plan updates and maintenance cycles.

Mitigation Initiatives

Mitigation initiatives are the central piece in the North Thurston Public Schools Natural Hazards Mitigation Plan. It is through the implementation of these initiatives that the North Thurston Public Schools (NTPS) will become more disaster resistant. For the purpose of this document, mitigation initiatives are defined as activities designed to reduce losses and provide NTPS schools and support departments with a plan for managing activities during a natural hazard situation. The NTPS Mitigation Planning Work Group prepared the attached mitigation initiatives with input from local fire, police, and planning agencies with jurisdiction.

Governmental Entity:

NTPS

Hazard Type:

Earthquake Hazard (EH)

Category:

Critical Facilities Replacement/Retrofit

Priority:

1 of 6

NTPS-EH-1: Perform seismic evaluations of all district buildings and correct if needed. Evaluation to include: heating and cooling systems, structure, water systems, sprinkler systems, and gas piping. Correction will be completed during building modernizations.

Rationale: Building systems have a high likelihood of failure in a major earthquake, which could disrupt services and limit the district's ability to provide a safe environment for students, staff, and visitors.

Implementor:

Construction Design, Operations Department

Estimated Cost:

\$15,000,000 - The majority of this amount will be required for the Timberline High School renovation. The architect has identified deficiencies in the 1969 building involving the roof and walls. We are estimating the Timberline project will cost approximately 50 million dollars including state and local funds.

Funding Source:

General Fund, Capital Projects budget, and grant funds based on funding availability and funding priorities.

Adoption Date:

January 2005

Implementation Status:

As funds become available.

Governmental Entity:

NTPS

Hazard Type:

Earthquake Hazard (EH)

Category:

Critical Facilities Replacement/Retrofit

Priority:

2 of 6

NTPS-EH-2: Upgrade current communication system including system redundancy, primary/secondary command center, and NTPS district-wide communication ability to and from all locations and coordinating ability with outside command centers.

Rationale: Inadequate ability to report and relay building staff and student conditions and needs would severely limit our ability to prioritize district needs and appropriate responses.

Implementor:

Operations Department

Estimated Cost:

\$30,000 to purchase radio transmitter and equipment.

Funding Source:

General Fund, and Capital Projects Budget, and grant funds based on funding availability and funding priorities.

Adoption Date:

January 2005

Implementation Status:

Evaluation

Governmental Entity:

NTPS

Hazard Type:

Storm (SH)

Category:

Critical Facilities Replacement /Retrofit

Priority:

3 of 6

NTPS-ST-1: Purchase and install generators to maintain power to: South Bay Elementary School (on a well), District and school-based freezers and refrigerators, Transportation fuel pumps, sewer lift stations, provide long-term lighting for stairways and stairwells.

Rationale: Power during severe storms has a likelihood of being disrupted. Power is essential to provide critical areas of operation as identified above.

Implementor:

Construction Design, Operations Department, Transportation Department and Food and Nutrition Department.

Estimated Cost:

\$550,000 to be accomplished during building modernizations and upgrades.

Funding Source:

General Fund, Capital Projects Budget, and grant funds based on funding availability and funding priorities.

Adoption Date:

January 2005

Implementation Status:

Will be completed as bond funds become available.

Governmental Entity:

NTPS

Hazard Type:

Storm (SH)

Category:

Critical Facilities Replacement/Retrofit

Priority:

4 of 6

NTPS-ST-2: Perform evaluations of trees that could pose a threat to persons or facilities and remove if necessary.

Rationale: Trees located near schools and other facilities have a likelihood of falling during severe storms. This could injure students, staff, and the public, and damage facilities.

Implementor:

**Construction Design, Operations Department,
Transportation Department and Food & Nutrition
Department.**

Estimated Cost:

\$20,000

Funding Source:

**General Fund, Capital Projects Budget, and grant
funds based on funding availability and funding
priorities.**

Adoption Date:

January 2005

Implementation Status:

Evaluation and implementation as required.

Governmental Entity:

NTPS

Hazard Type:

**Earthquake Hazard (EH)
Storm Hazard (SH)**

Category:

Critical Facilities Replacement/Retrofit

Priority:

5 of 6

NTPS-EH/ST-1: Develop alternative loading/unloading areas at each school. Emergency bus routes will be the same as snow routes with planning to modify, as necessary, to meet the emergency requirements.

Rationale: In the event of blocked entry or exit from a district building an alternate load/unload location would be necessary to ensure the safety of students and staff. Bus routes would be the same as currently published emergency snow routes. They would be adjusted as necessary.

Implementor:

Transportation Department

Estimated Cost:

\$1,000

Time Period:

2004 to 2005

Funding Source:

General Fund

Adoption Date:

January 2005

Implementation Status:

Completed - Annual Review

Governmental Entity:

NTPS

Hazard Type:

**Earthquake Hazard (EH)
Storm Hazard (SH)**

Category:

Critical Facilities Replacement/Retrofit

Priority:

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NTPS-EH/ST-2: Develop a comprehensive operations response plan to include hazard preparation planning with outside agencies. Conduct awareness planning and training within North Thurston Public Schools to include site emergency supply storage needs.

Rationale: To have a well, thought-out plan that is shared with all stakeholders so that, in a disaster situation, we can be as prepared as possible for the emergency needs of our students, staff, and visitors.

Implementor:

Construction Design, Maintenance and Operations, Transportation, Food and Nutrition, Technology and Administration.

Estimated Cost:

\$75,000

Funding Source:

General Fund and Capital Projects Budget based on funding availability and funding priorities.

Adoption Date:

January 2005

Implementation Status:

Completed – Annual Review