

Disaster Preparedness

Lincoln County Schools



A PRESENTATION FOR THE OREGON LEGISLATURE
FEBRUARY 21, 2017

The Cascadia Subduction Zone

- ▶ Northern California to British Columbia
- ▶ Magnitude 8 to 9 or more
- ▶ Not just a Coastal event.
- ▶ Very survivable if we are prepared and take immediate action.



Damage to Homes & Businesses



Road Damage & Landslides



Liquefaction, Lateral Spreading, Buckling

Bridges will Collapse



Water Supply Damage & Gas Line Ruptures



Is this Realistic?



Damage to Schools & Aftershocks



Hypothermia Risk



During an Earthquake



Drop, Cover, & Hold-On

After an Earthquake



Evacuate

- Account for Everyone
- Supervise Students

Immediate Needs

- Medical
- Search & Rescue
- Shelter from Weather
- Restrooms

Reunification

- Reunite Students with Families
- Move Students to Shelter Location

Activate Disaster Cache

- Shelter & Warmth
- Water & Food
- Sanitation
- Supervision

Disaster Cache Priorities

- ▶ **Low Maintenance**
- ▶ **Locate Away from Structures**
- ▶ **Survival Supplies/Basic Needs**
- ▶ **Non-Perishable**
- ▶ **Sustainable – A Gift for a Future Generation**



Steel Shipping Container



20' x 8' Steel Shipping Containers



Solid Floor, Wind & Water Tight



Shelter & Warmth



Shelter & Warmth



Water



Medical & Sanitation Supplies

- Medical Gloves
- Masks
- 4 x 4s (gauze)
- Medical Tape & Bandages
- Portable Toilets
- Hand Sanitizer & Tissues



Search & Rescue Supplies

- **Protective Gear & Tools**
- **Teen CERT Supplies**



Delivery



Same Fee to Deliver 1 or 2 Twenty-Footers

Example of Basic \$15,000 Cache

SAMPLE DISASTER CACHE for 600 PEOPLE				
PROPOSED BUDGET				
Item	Qty	Cost	Total	Notes
CONTAINER				
Steel Storage Container (20' x 8')	1	\$ 3,600.00	\$ 3,600.00	New, wind & water tight, includes delivery
Locks & keys	2	\$ 100.00	\$ 200.00	
Ground prep		\$ 250.00	\$ 250.00	Gravel, leveling, etc.
SHELTER				
Rain Ponchos	600	\$ 0.70	\$ 420.00	
Mylar Blankets	600	\$ 0.65	\$ 390.00	
Tent Canopies (10x20, steel frame)	20	\$ 230.00	\$ 4,600.00	30 people per canopy
Tent Canopies (10x20, steel frame)	3	\$ 230.00	\$ 690.00	For Medical Treatment Area & EOC
Tarps (10 x 20)	23	\$ 10.00	\$ 230.00	Floors for tent canopies
Stakes & Rope		\$ 200.00	\$ 200.00	For tent canopies
WATER				
55-gallon Water Barrels (1100 gallons)	20	\$ 91.00	\$ 1,820.00	3 days/person
Water Filter Straws	600	\$ 4.00	\$ 2,400.00	1 per person, filters 20 gallons water
MEDICAL				
Medical Supplies		\$ 200.00	\$ 200.00	Gauze, tape, gloves, masks
TOTAL PROJECT COST			\$ 15,000.00	



Thank you!

Lincoln County Schools



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http://lincoln.k12.or.us/dept_programs/safety.php

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