

APPENDIX A:
LOCAL GOVERNMENT RISK ASSESSMENT
SURVEY RESPONSES

PDM UPDATE - LOCAL GOVERNMENT RISK ASSESSMENT SURVEY

Jurisdiction: Bear River City

Completed by: Carol S. Andreasen

- 1) **National Flood Insurance Program (NFIP) participation?** No
- 2) **Existing or potential natural hazards in your community?** Drought, earthquake, and wildfire
- 3) **Natural hazard events since November of 2002?** None
- 4) **Maps, documents, or plans related to natural hazards?** Box Elder County FEMA Flood Zone Map, Box Elder County Wildfire Hazard Map, and Box Elder County Earthquake Fault Zone Map
- 5) **Critical Facilities?** Schools, waste water treatment facility (sewer lagoons), and church
- 6) **Zoning and Ordinances addressing natural hazards?** Our Land Management and Development Code has a section on Sensitive Lands which are by the river and require more review than other areas.

PDM UPDATE - LOCAL GOVERNMENT RISK ASSESSMENT SURVEY

Jurisdiction: Box Elder County

Completed by: Kevin Potter

- 1) **National Flood Insurance Program (NFIP) participation?** Yes
- 2) **Existing or potential natural hazards in your community?** Drought, earthquake, flooding, wildfire, landslide, dam failure, avalanche, severe wind, and ice storms
- 3) **Natural hazard events since November of 2002?** Numerous earthquakes – mostly 3.5 or less with no damage. Flooding along Bear River - Cutler Dam to Bird Refuge, 2004? (property damage only, livestock deaths only). Dozens of wildfires – some very large, no structures or deaths. Avalanche winter of 2002, 1 snowmobiler died.
- 4) **Maps, documents, or plans related to natural hazards?** Box Elder County Emergency Operations Plan
- 5) **Critical Facilities?** Cutler Dam, Watkins Dam, 100 miles of Interstate (I-15 and I-84), 11 incorporated cities which have schools, Fire Stations, 2 hospitals, and water treatment
- 6) **Zoning and Ordinances addressing natural hazards?** Yes

PDM UPDATE - LOCAL GOVERNMENT RISK ASSESSMENT SURVEY

Jurisdiction: Brigham City

Completed by: Jim Buchanan

- 1) **National Flood Insurance Program (NFIP) participation?** Yes
- 2) **Existing or potential natural hazards in your community?** Drought, wildfire, dam failure, landslide, flooding, earthquake, and severe weather
- 3) **Natural hazard events since November of 2002?** 2005 presidentially declared flood, \$2 million in damage
- 4) **Maps, documents, or plans related to natural hazards?** Yes, safety sensitive maps
- 5) **Critical Facilities?** City Hall, Brigham City Hospital, County Courthouse, schools, EMS Facility, waste treatment, and electrical substations
- 6) **Zoning and Ordinances addressing natural hazards?** Yes

PDM UPDATE - LOCAL GOVERNMENT RISK ASSESSMENT SURVEY

Jurisdiction: Cache County

Completed by: J. Peterson

- 1) **National Flood Insurance Program (NFIP) participation?** Yes
- 2) **Existing or potential natural hazards in your community?** Earthquake, spring flooding, and wildfire
- 3) **Natural hazard events since November of 2002?** Significant spring flooding on April 28, 2005 - \$138,973 in damage and expenses in unincorporated county, Nibley, and Richmond
- 4) **Maps, documents, or plans related to natural hazards?** Yes, County EOP, Josh Runhaar has GIS maps
- 5) **Critical Facilities?** Schools, Fire Stations, Police Depts., Sheriff's Office, and two hospitals
- 6) **Zoning and Ordinances addressing natural hazards?** Yes

PDM UPDATE - LOCAL GOVERNMENT RISK ASSESSMENT SURVEY

Jurisdiction: Fielding Town

Completed by: Chuck Earl

- 1) **National Flood Insurance Program (NFIP) participation?** Don't know
- 2) **Existing or potential natural hazards in your community?** Earthquake
- 3) **Natural hazard events since November of 2002?** No
- 4) **Maps, documents, or plans related to natural hazards?** No
- 5) **Critical Facilities?** Fire Station and school
- 6) **Zoning and Ordinances addressing natural hazards?** No

PDM UPDATE - LOCAL GOVERNMENT RISK ASSESSMENT SURVEY

Jurisdiction: Garland City

Completed by: Dick Owen and Jay Munns

- 1) **National Flood Insurance Program (NFIP) participation?** No
- 2) **Existing or potential natural hazards in your community?** Earthquake, flooding, wildfire, dam failure (city water system)
- 3) **Natural hazard events since November of 2002?** April 2004 – Heavy rain saturated the ground causing severe infiltration into the sewer system. The sewer had to be pumped into the Malad River to prevent sewage from entering homes. April 2004 – Higher than normal water release from Cutler Dam flooded the Bear River creating a condition that required extensive pumping at the city water supply to keep the Bear River water from entering the spring area.
- 4) **Maps, documents, or plans related to natural hazards?** We have a City Disaster Plan for a number of natural hazards
- 5) **Critical Facilities?** Fire Station, High School, Middle School, Grade School, City water system, City Offices, Police Station, LDS Stake house
- 6) **Zoning and Ordinances addressing natural hazards?** Yes

PDM UPDATE - LOCAL GOVERNMENT RISK ASSESSMENT SURVEY

Jurisdiction: Hyde Park

Completed by: Carol Johnson

- 1) **National Flood Insurance Program (NFIP) participation?** No
- 2) **Existing or potential natural hazards in your community?** Drought, earthquake, wildfire, soil subsidence, severe weather, fault rupture, and liquefaction
- 3) **Natural hazard events since November of 2002?** Minor flooding basements (high water table)
- 4) **Maps, documents, or plans related to natural hazards?** E.O.P, S.O.P.'s
- 5) **Critical Facilities?** Schools, fire stations, and water treatment plants
- 6) **Zoning and Ordinances addressing natural hazards?** Yes (Sensitive Areas in the subdivision ordinance)

PDM UPDATE - LOCAL GOVERNMENT RISK ASSESSMENT SURVEY

Jurisdiction: Howell Town

Completed by: Carlos Christensen

- 1) **National Flood Insurance Program (NFIP) participation?** No
- 2) **Existing or potential natural hazards in your community?** Drought, earthquake, wildfire, and dam failure
- 3) **Natural hazard events since November of 2002?**
- 4) **Maps, documents, or plans related to natural hazards?** Blue Creek Reservoir and elevation maps
- 5) **Critical Facilities?** Schools, and water treatment cisterns
- 6) **Zoning and Ordinances addressing natural hazards?** Yes

PDM UPDATE - LOCAL GOVERNMENT RISK ASSESSMENT SURVEY

Jurisdiction: Logan City

Completed by: Will Lusk

- 1) **National Flood Insurance Program (NFIP) participation?** Yes
- 2) **Existing or potential natural hazards in your community?** Earthquake, flooding, landslide, wildfire, dam failure, soil subsidence, winter storm, lightning storms, drought, insect infestation, HAZMAT release
- 3) **Natural hazard events since November of 2002?** Flooding April-June 2005, heavy rain, wet snowpack, flooding in the s. west area of Logan City. Landslide September 10, 2005 - Crockett Avenue and Canyon Road, hillside slid into canal and into back of 1 home. Wild land fire(s) Sept. – Oct. 2007, above Cliffside area and above River Heights, caused by power lines arcing
- 4) **Maps, documents, or plans related to natural hazards?** NFIP flood maps, 100 year and 500 year flood plain. USGS Earthquake maps, liquefaction, subsidence (Logan City GIS Dept. has electronic copies of the above maps). Landslide map of historical slide along Canyon Road.
- 5) **Critical Facilities?** See attached map(s) and lists
- 6) **Zoning and Ordinances addressing natural hazards?** Don't know how extensive – check with Community Development Office at Logan City Hall.

PDM UPDATE - LOCAL GOVERNMENT RISK ASSESSMENT SURVEY

Jurisdiction: Mendon

Completed by: George DeWeese

- 1) **National Flood Insurance Program (NFIP) participation?** No
- 2) **Existing or potential natural hazards in your community?** Earthquake, flooding, wildfire, and landslides
- 3) **Natural hazard events since November of 2002?** Flooding, Hwy 23
- 4) **Maps, documents, or plans related to natural hazards?** Yes. Storm water survey, provided to BRAG Regional Planner, 14 July, 2008
- 5) **Critical Facilities?** Water Treatment Plant, Fire Station, and Mountainside Elementary School.
- 6) **Zoning and Ordinances addressing natural hazards?** Yes, Zoning and Ordinances that regulates building structures on potentially hazardous areas

PDM UPDATE - LOCAL GOVERNMENT RISK ASSESSMENT SURVEY

Jurisdiction: Millville City

Completed by: Mike Johnson

- 1) **National Flood Insurance Program (NFIP) participation?** Don't know
- 2) **Existing or potential natural hazards in your community?** Earthquake, flooding, and wildfire
- 3) **Natural hazard events since November of 2002?** Wildfire burnt the hill above Millville and threatened some homes on Canyon Road. There was no damage to any structures in the city. This was 6-7 years ago.
- 4) **Maps, documents, or plans related to natural hazards?** No
- 5) **Critical Facilities?** Millville Elementary School, two 1 million gallon reservoirs (water tanks), and 2 pump houses for wells.
- 6) **Zoning and Ordinances addressing natural hazards?** Yes

PDM UPDATE - LOCAL GOVERNMENT RISK ASSESSMENT SURVEY

Jurisdiction: Perry City

Completed by: Duncan T. Murray

- 1) **National Flood Insurance Program (NFIP) participation?** Don't know
- 2) **Existing or potential natural hazards in your community?** Earthquake, flooding, landslide, and wildfire
- 3) **Natural hazard events since November of 2002?** August 2006 – Wildfire Perry/Brigham border – 100 acres on the mountainside
- 4) **Maps, documents, or plans related to natural hazards?** Flood Insurance Rate Map 5-20-80 being updated, Emergency Preparedness Plan
- 5) **Critical Facilities?** Elementary School, emergency water connection with Brigham City, adequate surplus storage capacity and redundant infrastructure in case of emergency
- 6) **Zoning and Ordinances addressing natural hazards?** Yes, Environmentally Sensitive Zone ordinance, other similar ordinances

PDM UPDATE - LOCAL GOVERNMENT RISK ASSESSMENT SURVEY

Jurisdiction: Plymouth Town

Completed by: Arnold Lamb

- 1) **National Flood Insurance Program (NFIP) participation?** Don't know
- 2) **Existing or potential natural hazards in your community?** Drought, earthquake
- 3) **Natural hazard events since November of 2002?** None
- 4) **Maps, documents, or plans related to natural hazards?** No
- 5) **Critical Facilities?** Fire Station
- 6) **Zoning and Ordinances addressing natural hazards?** No

PDM UPDATE - LOCAL GOVERNMENT RISK ASSESSMENT SURVEY

Jurisdiction: Portage Town

Completed by: Keith Wadman (Clerk)

- 1) **National Flood Insurance Program (NFIP) participation?** No
- 2) **Existing or potential natural hazards in your community?** Earthquake, flooding, and wildfire
- 3) **Natural hazard events since November of 2002?** No
- 4) **Maps, documents, or plans related to natural hazards?** No
- 5) **Critical Facilities?** Church, Town Hall, Fire Department, and culinary water system
- 6) **Zoning and Ordinances addressing natural hazards?** No

PDM UPDATE - LOCAL GOVERNMENT RISK ASSESSMENT SURVEY

Jurisdiction: Providence City

Completed by: Skarlet Bankhead

- 1) **National Flood Insurance Program (NFIP) participation?** Don't know
- 2) **Existing or potential natural hazards in your community?** Drought, earthquake, flooding, landslide, wildfire, wind, severe thunder and snowstorms, and soil subsidence
- 3) **Natural hazard events since November of 2002?** Flooding along Spring Creek 2003, and wildfire on the northeast bench 2007
- 4) **Maps, documents, or plans related to natural hazards?** We have a map in our General Plan that indicates where potential hazards are.
- 5) **Critical Facilities?** Spring Creek Middle School, Providence Elementary School, and Cache Valley Assisted Living
- 6) **Zoning and Ordinances addressing natural hazards?** Yes

PDM UPDATE - LOCAL GOVERNMENT RISK ASSESSMENT SURVEY

Jurisdiction: Richmond City

Completed by: Marlowe C. Adkins

- 1) **National Flood Insurance Program (NFIP) participation?** Yes
- 2) **Existing or potential natural hazards in your community?** Earthquake, drought, flooding, and wildfire
- 3) **Natural hazard events since November of 2002?** Flooding due to excess runoff through restricted culvert. Approximately \$75,000 damage, total expense approximately \$135,000, April 28, 2005.
- 4) **Maps, documents, or plans related to natural hazards?** No
- 5) **Critical Facilities?** Three schools – North Cache 8th & 9th Center, White Pine Middle School, Park Elementary, one Fire Station, two water treatment facilities.
- 6) **Zoning and Ordinances addressing natural hazards?** No

PDM UPDATE - LOCAL GOVERNMENT RISK ASSESSMENT SURVEY

Jurisdiction: River Heights City

Completed by: William J. Baker

- 1) **National Flood Insurance Program (NFIP) participation?** Yes – application pending
- 2) **Existing or potential natural hazards in your community?** Earthquake
- 3) **Natural hazard events since November of 2002?** N/A
- 4) **Maps, documents, or plans related to natural hazards?** Emergency preparedness
- 5) **Critical Facilities?** River Heights Elementary, and Well with chlorine injection (3)
- 6) **Zoning and Ordinances addressing natural hazards?** Yes

PDM UPDATE - LOCAL GOVERNMENT RISK ASSESSMENT SURVEY

Jurisdiction: Snowville Town

Completed by: Mike Morgan

- 1) **National Flood Insurance Program (NFIP) participation?** No
- 2) **Existing or potential natural hazards in your community?** Drought, earthquake, flooding, wildfire, and soil subsidence
- 3) **Natural hazard events since November of 2002?** No
- 4) **Maps, documents, or plans related to natural hazards?** None
- 5) **Critical Facilities?** Schools, Fire Station, and water treatment plant
- 6) **Zoning and Ordinances addressing natural hazards?** No

PDM UPDATE - LOCAL GOVERNMENT RISK ASSESSMENT SURVEY

Jurisdiction: Tremonton City

Completed by: Jim Hess

- 1) **National Flood Insurance Program (NFIP) participation?** No
- 2) **Existing or potential natural hazards in your community?** Earthquake, dam failure (water system), landslide (minimal), wind storm, tornado, severe weather, soil subsidence, wildfire, drought, and flooding (minimal)
- 3) **Natural hazard events since November of 2002?** Earthquake of September '07, damaged Tremonton Senior Center – estimate damage \$1 million structural damage not-replaceable. Basement flooding due to snow and rain in January 2005 - Raw sewage backed up for several hours – damage estimated at \$65,000.
- 4) **Maps, documents, or plans related to natural hazards?** Hillside development, sensitive area (Malad River), development ordinances, land excavation (special requirements, and soil.
- 5) **Critical Facilities?** City Office, Police Station, Fire Station, Sewer Treatment Plant, McKinley Elementary, North Park Elementary, Alice C. Harris Intermediate School, Bear River Hospital (Old and New), Malt-O-Meal, West Liberty Foods
- 6) **Zoning and Ordinances addressing natural hazards?** Yes

PDM UPDATE - LOCAL GOVERNMENT RISK ASSESSMENT SURVEY

Jurisdiction: Trenton

Completed by: Ed Cottle

- 1) **National Flood Insurance Program (NFIP) participation?** No
- 2) **Existing or potential natural hazards in your community?** Drought and earthquake
- 3) **Natural hazard events since November of 2002?** No
- 4) **Maps, documents, or plans related to natural hazards?** No
- 5) **Critical Facilities?** Fire Station
- 6) **Zoning and Ordinances addressing natural hazards?** No

PDM UPDATE - LOCAL GOVERNMENT RISK ASSESSMENT SURVEY

Jurisdiction: Wellsville City

Completed by: Marcene Parker

- 1) **National Flood Insurance Program (NFIP) participation?** Don't know
- 2) **Existing or potential natural hazards in your community?** Drought, earthquake, flooding, wildfire, and dam failure
- 3) **Natural hazard events since November of 2002?** No
- 4) **Maps, documents, or plans related to natural hazards?** Yes, emergency plan
- 5) **Critical Facilities?** Two schools, Fire Stations, water treatment plant, and sewer
- 6) **Zoning and Ordinances addressing natural hazards?** Yes – Sensitive land