

Safety Element Scope of Work Summary

May 2012

Earthquake Hazards – Update Safety Element descriptions of earthquake hazards, including fault rupture, ground shaking, liquefaction, tsunami/seiche; incorporate recently updated earthquake hazards maps and new consultant-produced liquefaction map; incorporate information from pending Fire Department study of tsunami evacuation routes; update goals, policies, programs.

Geology and Soils Hazards – Update Safety Element descriptions of conditions and hazards, including soil types, slope instability/landslide potential and subsidence, sea cliff retreat, depth to groundwater, erosive and expansive soils, and radon; incorporate updated geologic and soil hazards maps, and develop updated goals, policies and programs. Update the Element discussion and formula for sea cliff retreat to reflect updated information and guidance for the 75-year bluff setback line. Identify or reference new future programs for pre-planning/adaptation to address the effects of climate change, such as erosion rates from climate change-induced sea level rise (coordinated with pending City Climate Plan).

Flooding Hazards – Update description of flood hazard zones and incorporate the most updated associated flood hazard map for each zone. Update description of dam inundation areas and include most updated associated maps for inundation areas. Incorporate updated references for floodplain management regulations and policies (e.g., from FEMA, *City Plan Santa Barbara General Plan Update*, Storm Water Management Plan, and Ordinances) addressing storm water management and creekside development. Include future programs for adaptation pre-planning to address the effects of climate change on flooding hazards (coordinated with City Climate Plan).

Wildland and Urban Fire Hazards – Update description of wildland and urban fire hazards and incorporate updated associated maps. Incorporate information from pending Fire Department studies of firefighting operations safety areas and wildfire evacuation routes. Update guidelines related to vegetation clearance and water requirements to reflect current City provisions in plans and ordinances. Include description of wildfire hazard along creeks and develop policy/programs to address this hazard. Update design guidelines addressing post-fire rebuilding and to encourage green building. Include future adaptation/pre-planning program to address the effects of climate change on wildland and urban fire hazards.

Hazardous Materials – Incorporate references to existing hazardous materials and waste management regulations, guidelines and policies, including City pesticide policies to address hazardous materials use. Incorporate a program for establishing additional household hazardous waste collection facilities as directed by implementation action PS9.1 in the Public Services section of the *Plan Santa Barbara General Plan Update* (Dec 2011).

Incorporate information from pending City Public Works vapor barrier study for development near previously contaminated sites per implementation action PS9.4 in the *Plan Santa Barbara GPU*.

Public Safety – For transportation/accident risks, incorporate existing data and regulatory references for airport, highway, and railroad hazards. For pipelines and other utilities, incorporate locations and regulation information. For electromagnetic fields, incorporate existing prudent avoidance policy as directed by *PlanSB GPU* policies.

Emergency Preparedness – Incorporate updated information and City policies related to emergency preparedness and response, including critical facilities. Include a new future program for coordination on a regional effort to increase resilience and self-sufficiency of the South Coast for the post-disaster recovery period (outlined in July 2011 Planning Commission discussion).