Appendix I

Focused Catalog of Hazard Mitigation Plan Actions (not final or prioritized)

Note: This is not the final or prioritized list of Mitigation Plan Actions.

1. Prepare an *Energy Assurance Plan* that includes: 1) the identification and assessment of power-backup capabilities for all City's critical infrastructure (for example, pumps, data centers, dispatch) and buildings utilized for essential services (such as health-safety, water, sewer, waste and transportation); 2) coordination of energy resources among public and private partners; and, 3) establishment of a program and schedule to implement recommended power upgrades and coordination programs.

2. Create a *Disaster Preparedness Program* that educate populations (residents, property owners, and businesses) that are vulnerable to Merced's natural hazards about: 1) shelter sites; 2) disaster advisory and warning systems; and, 3) "before, during" and after" resources from community entities (e.g. hospitals, schools, public works), to prepare for natural disasters. Develop and deploy methods that assure access to this information and to these resources.

3. Support Merced County efforts to construct the Haystack Alternative of Black Rascal Creek.

4. Develop and enhance storm-water drainage improvements to reduce frequent flooding. Projects may involve canals, storm-water drains, basins, trunk lines, auxiliary pipes, and interconnections. For example, increase the current stormwater diversion (at Fahrens Creek, south of Yosemite Avenue) of 50 cubic feet per second (cfs) to 200 cfs, so that storage capacity is not wasted during larger flooding events.

5. Update the City's Storm-water Drainage Master Plan.

6. Prepare a *Natural Area Fire Prevention Plan* for those areas of Merced to be developed adjacent to natural open space areas (as opposed to agricultural fields or private property) in order to determine the best approach to address and provide a coordinated

plan for conflicting needs (for example, air quality, natural resource protection, and property rights). Methods would include acceptable site designs, building designs, and weed abatement.

7. Perform building-specific, structural seismic vulnerability assessment of City-owned critical facilities (buildings and infrastructure) constructed prior to 1980, and take actions to upgrade or retrofit as needed.

8. Retrofit or upgrade unreinforced masonry buildings in Downtown Merced, or other buildings in the Plan area.

9. Pursue program of conversion of overhead utilities to underground service that serve critical facilities or other sensitive sites to reduce exposure to hazards, where possible.

10. Prepare a *Shelter and Emergency-Provision Plan* resulting in identification of existing and future sites and buildings, as well as improvements for their establishment or enhancement