

Step 3. – Inventory Assets Primer for Butler County CANHMP

Now that we know where natural hazard events can affect Butler County (from **Step 2. Hazard Profile**), and these hazards have been transferred to the base map, it is time to inventory the valuable assets which could be affected by a hazard event. For example, using the floodplain map developed in **Step 2**, we can identify all of the assets located within the 100-year floodplain boundary. However, some hazards can affect the entire County (earthquakes, tornadoes) and some will affect only limited areas.

The first sub-step is to determine the proportion of buildings, the value of buildings, and the population in the County that are located in each of the hazard areas.

- Using local resources, census data, or other GIS capabilities, determine the number and value of buildings and population within each jurisdiction.
- Next, determine the total number and value of buildings and the population that is vulnerable to each hazard based on the maps created in **Step 2**. This must be done for each hazard.
- Determine whether and where you want to collect additional inventory data, and decide responsible parties. If yes, continue on to the next sub-task.

The next sub-step is to compile a more detailed inventory, if warranted, of what can be damaged by a hazard event. You may decide, based on the results of the asset inventory, to gather detailed information on all of the potential hazards, one hazard, or a particular area or jurisdiction affected by a hazard. The more information that is gathered during this sub-step, the easier estimating losses and the next phase of the project will be. Once the decision to collect additional asset information is reached, complete the following methodology for each hazard in each jurisdiction.

- Determine which jurisdiction you would like to collect additional asset information for.
- Determine which hazard risk areas you would like to concentrate on.
- Identify the critical facilities located within the hazard risk area for each selected jurisdiction.
- Identify the vulnerable populations located within the hazard risk area for each selected jurisdiction.
- Identify the economic elements located within the hazard risk area for each selected jurisdiction.
- Identify the areas with special considerations located within the hazard risk area for each selected jurisdiction.
- Identify the historic, cultural, and natural resource areas located within the hazard risk area for each selected jurisdiction.
- Identify any other important facilities located within the hazard risk area for each selected jurisdiction.
- Gather building specific information about the assets (size, replacement value, content value, function/use value, displacement cost, and occupancy/capacity).

- Gather hazard-specific information about these assets for each jurisdiction.

A combination of the general and more detailed Asset Inventory methodology will be utilized in Butler County. Each Jurisdiction may be asked for some level of assistance in completing this step, however the majority of research and data compilation will be completed by the consultant team and Butler County EMA.