

3DEP for (insert name of state)

-- Model Bill --

A BILL FOR AN ACT

HB _____

Be it enacted by the Legislative Assembly of the State of (insert name of state):

Section 1. The creation of statewide data from Light Detection and Ranging (LiDAR) technology for the entire land area of the State of (insert name of state) would provide very high resolution topographic, surface feature, bare earth, and reflectance intensity digital data that are vital components of a myriad of natural resource and land-use assessment and planning activities, including but not limited to:

- a. Economic growth and sustainable development;
- b. Traditional and renewable energy exploration, exploitation and production;
- c. Forest inventory, canopy analysis, and timber operations planning and management;
- d. Riparian habitat recovery and watershed monitoring and restoration;
- e. Civil infrastructure risk assessment, including dams, levees, and power lines;
- f. Forest fire fuel load assessment and mitigation planning;
- g. Locating and measuring location and type of impervious surfaces;
- h. Precision agriculture, including optimizing irrigation and drainage systems;
- i. Transportation corridor planning, for highways, rail lines and connective services;
- j. Natural hazard assessment, including landslides, earthquakes, and flooding;

Section 2. There is hereby authorized the creation of topographic elevation data, derived from the collection through the use of LiDAR technology, for the entire land area of the State of (insert name of state).

Section 3. The (insert name of lead state agency for GIS or State Geologist) shall coordinate the LiDAR data acquisition activities and requirements of all state agencies, and, to the maximum extent possible, regional, and local government, tribal government, and the private sector.

Section 4. Pursuant to section 3 of this Act, the (insert name of lead state agency for GIS or State Geologist from above) shall leverage existing investments in LiDAR data acquisition activities in the State of (insert name of state) to seek Federal funds, including but not limited to the 3 Dimensional Elevation Program, also known as 3DEP, of the United States Geological Survey, to accomplished the statewide LiDAR coverage authorized by section 2 of this Act.

Section 5. Any acquisition and processing of LiDAR data pursuant to this Act shall be accomplished by contract with entities in the private sector, under the direct supervision of a

professional licensed in the practice of land surveying pursuant to (insert code citation for land surveyors licensing law), and such contracts shall be awarded in accordance with the process specified in (insert code citation for state’s “mini-Brooks Act” or QBS law), or utilizing a contract awarded by the United States Geological Survey pursuant to 40 United State Code 1101 et.seq.

###

Commented [JP1]: For access to all state licensing laws, go to the NCEES website, (<http://ncees.org/licensing-boards/>) select a state, and look for laws/statutes and regulations

Commented [JP2]: For access to all state mini-Brooks Act, QBS laws, to go: "Mini-Brooks Acts"- State QBS Laws (or go to www.cofpaes.org, click on QBS Resources, and then click on Mini-Brooks Acts – State QBS Laws)