## **Map Set 3: Impact on Population**

This series of maps displays information related to the potential environmental impacts of *additional* gas development in *Pennsylvania* if all remaining technically recoverable resources in the Interior Marcellus shale were developed using high volume hydraulic fracturing and horizontal drilling with eight wells per well pad.

This map set includes projections of the total land area and population in Pennsylvania projected to be within 0.5 and 1 miles of well pad locations. The population estimates are based on the 2010 population in US Census block data. Population and land area estimates are aggregated by county in the maps.

Note: These maps contain *projections* of natural gas development and associated impacts under a particular set of circumstances and assumptions. Changes to the assumptions could change the results. They are not *predictions* of development or impacts, and should not be used for commercial purposes, to guide investment decisions, or for short-range planning decisions. Furthermore, the maps should not be used to inform planning or decision making for geographic units smaller than the primary units of analysis (counties or HUC-10 watersheds).

## **Population Impact Maps**

This map set includes projections of the following land and population impacts:

- 3.1 Area within 0.5 mile of well pads
- 3.2 Area within 1 mile of well pads
- 3.3 Population within 0.5 mile of well pads
- 3.4 Population within 1 mile of well pads

For additional documentation and methodology used to create these maps, please download the research report at: <a href="https://www.cna.org/PA-Marcellus">www.cna.org/PA-Marcellus</a>

















