



Tompkins County
DEPARTMENT OF PLANNING

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Tompkins County Pipeline Flood Resilience Inventory

In 2014, Tompkins County adopted the Federal Emergency Management Agency (FEMA) approved *Tompkins County Hazard Mitigation Plan: 2013 Update* (<http://www.tompkinscountyny.gov/planning/community-planning>) which included active participation of all the jurisdictions in the county. This plan was prepared in response to The Disaster Mitigation Act of 2000 which requires states and local governments to prepare hazard mitigation plans in order to document their hazard planning needs, goals and strategies.

In response to the vulnerabilities that pipeline crossings have in relation to hazard risks including water supply contamination, the plan identified the action to “Develop a plan with regional partners including local governments, agencies and engineers for analyzing and prioritizing pipeline crossing mitigation.” With this action in mind the County Planning Department, with support from the County Department of Emergency Response, applied for and successfully obtained a \$49,745 grant through the United States Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA) to help better understand the diversity of pipeline stream crossings in the county as well as improve pipeline safety and streamside conservation.

The Tompkins County Pipeline Flood Resilience Inventory project will:

1. Develop a baseline map and inventory of pipelines, both exposed and buried, which cross streams throughout Tompkins County. Baseline should include information on pipeline material, type, size, ownership and age;
2. Identify key pipeline owner personnel and agency stakeholders contact information;
3. Conduct an analysis of the probability of exposure of pipeline stream crossings. Analysis should include exposure from a range of hazard risks incorporating latest climate change forecasts;
4. Characterize the negative consequences of a pipeline rupture; and
5. Develop a detailed inventory of pipeline stream crossings, with specific detail on those pipelines of highest risk to failure, and the most appropriate mitigations for reducing those identified risks.

The County selected Woitd Engineering of Ithaca and Binghamton to assist in developing the Inventory. The Inventory is slated for completion by September 2016.

For more information on the project contact Senior Planner Scott D. Doyle, AICP at 274-5560 or sdoyle@tompkins-co.org