

LYCOMING COUNTY PLANNING COMMISSION ANNUAL REPORT



2010



The 2010 Annual Report of the Lycoming County Planning Commission

Executive Plaza

330 Pine Street

Williamsport, Pennsylvania 17701

Phone: 570-320-2130



2010 County Commissioners

Rebecca A. Burke, Chairperson

Ernest P. Larson, Vice-Chairman

Jeff C. Wheeland, Secretary



2010 Lycoming County Planning Commission

Charles Springman, *Chairman*

Joseph Neyhart, *Vice-Chairman*

George "Herm" Logue, Jr., *Secretary*

Richard Haas, *Treasurer*

Ann S. Pepperman

W.E. Toner Hollick

Robert E. Bauder

Roger Jarrett

Larry Fry

Charles F. Greevy III, *Solicitor*

2010 LCPC Professional Staff

Kurt Hausamman, Jr., AICP, *Director*

William Kelly, *Deputy Director*

Clifford Kanz, AICP, *Development Services Supervisor*

Frances Jones, CFM, *GIS/Data Systems Supervisor*

Deborah Bennett, *Administrative Support Supervisor*

Mark Murawski, *Transportation Planner*

Rachelle Ricotta, AICP, *Community Development Planner/Lead Planner*

Kevin McJunkin, *Environmental Planner*

Megan Lehman, *Environmental Planner*

Joshua Billings, *Subdivision and Land Development Administrator*

Audrey Dunkleberger, *Zoning/Subdivision Officer*

Rodney Heindel, *Zoning Officer (Part-Time)*

Amy Rankey, *Zoning Administrator*

Lynn Cunningham, *Planning/Technician Analyst*

Judd Bower, *GIS/Data Systems Analyst*

Gary Montgomery, CFM, *GIS/Data Systems Technician*

Edward Feigles, *GIS Graphics/Fieldwork Coordinator*

John Lavelle, *Hazard Reduction Planner*

Richard Murphy, *Land Record Cartographer*

Jeff Crawford, *Land Records Database Coordinator*

Amy Norton, *Land Records Database Coordinator*

Stacy Lewis, *Land Records Database Coordinator*

Jane Magyar, *Clerk IV*

Jessica Burget, *Clerk I*

2010 Annual Report was approved by the LCPC on Feb 17, 2011

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DIRECTOR'S MESSAGE

2010 was a very exciting year for the Lycoming County Planning Commission (LCPC). The gas industry really began work in Lycoming County. The most obvious indicator of the gas industries presence was the large number of trucks on our highways and secondary roads. Our transportation planner has received complaints about several intersections in the County being overwhelmed by the large increase in truck traffic. We are working with PennDOT to look at the situations and to formulate solutions.

We have experienced rapid industrial growth in the Muncy/Montoursville growth area. Our boroughs and the City of Williamsport also experienced redevelopment of Brownfield sites. In short, the County is experiencing growth like it has not seen for many years. The growth is almost exclusively due to the gas industry.

We have worked on and completed the final draft of the Gas & Oil Zoning Amendment for the County Zoning Ordinance. As demonstrated above, the gas industry is responsible for economic growth in our County. The economic benefit of the gas industry are welcomed. However, we must protect our quality of life while promoting the economic benefits. The ordinance amendment is a good first step at doing this.

The Corridor Plans were prepared and brought to near completion in 2010. This was a major project lead by Rachelle Ricotta of our staff. Rachelle is our Lead Planner and is very experienced in community participation and involvement. Rachelle's experience and expertise was evident throughout the corridor plan process. The corridor plans were very much guided by and filled with community participation. In fact, Rachelle even created a Youth Ambassador Program for high school students in the Williamsport and Montgomery High Schools. The program was a great success with the students making presentations to the town councils. This is an excellent example of not planning in a vacuum. We plan in the community with results that are real world oriented.

I am looking forward to another exciting year in 2011.

A handwritten signature in blue ink that reads "Kurt Hausammann". The signature is written in a cursive, flowing style.

CHAIRMAN'S MESSAGE

This past year (2010) has been one of the most exciting yet challenging years in recent memory. The rapid growth of the Marcellus Shale Natural Gas industry in our County has created new economic opportunities along with the demands of striking a balance with the factors that shape the quality of life that our residents treasure. Our Planning Commission staff has not simply responded to this economic activity, but have engaged “proactively” to guide the development of this natural resource via a “first-in-the-state” county zoning ordinance, amended to address natural gas development in a manner that is consistent with Pennsylvania's Oil & Gas Act.

This past year has also seen a transition in the structure and role of the Lycoming County Planning Commission, itself. The financial budgeting role that has been traditionally in the realm of the Commission has been transferred to the County. From a structural perspective, the County Commissioners have also established a term limit provision with the intent of creating a greater opportunity for more citizens to become involved in the business of the Planning Commission.

On Thursday, December 16th, the Lycoming County Planning Commission bid farewell to Roger Jarrett after a distinguished 28-year period of service. Appointed to the Commission in 1982, he is recognized as one of the youngest members to be so appointed. During his tenure, Roger served on numerous committees and has held several officer positions including Chairman—a post he held for a period of 5 ½ years.

Major Planning initiatives pursued this past year include: Chesapeake Bay Compliance Plan, Lycoming County Brownfields Assessment Program, Interstate 180 Corridor Plan, Old Mill Planning Corridor, County Stormwater Plan and Model Ordinance, design and construction of water infrastructure for Muncy-Montoursville corridor, initiation of the Pathway to Health Project, dedication of the Susquehanna Riverwalk and the TIGER II Transportation Initiative.

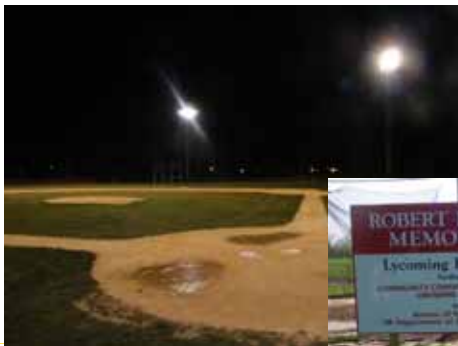
In retrospect, 2010 proved to be an extremely exciting year and I remain grateful to my fellow members of the Planning Commission for their dedication and professionalism to our mission.

Charles Springman



Community Development

Growing Greener II



Softball Players at Elm Park



Growing Greener II Projects:

Completed in 2008

- * County-wide Flood Warning System Enhancements
- * Old Lycoming Township Tennis Court Project
- * Duboistown Sanitary Sewer Rehabilitation
- * Muncy Borough Water System Rehabilitation
- * Penn Township/Beaver Lake Sanitary Sewer Rehabilitation

Completed in 2009

- * White Deer Golf Course Improvements
- * South Williamsport Sanitary Sewer Rehabilitation
- * Porter Township Canal Rehabilitation
- * Trout Run Stream Restoration

Completed in 2010

- * Logue Field Lighting Improvement Project
- * Elm Park Lighting Improvement Project
- * Lime Bluff Recreation Area Improvements

To be Completed by Jersey Shore Borough in 2011

- * Jersey Shore Pine Creek Trail Connector



Improvements at Lime Bluff

River Walk & Timber Trail Grand Opening!

The construction of the Timber Trail and River Walk was completed in late 2009, but the formal Ribbon Cutting Event was held on May 15, 2010. The Ribbon Cutting Event engaged the entire community to celebrate the grand opening of the newest recreation asset in Lycoming County. Artists were stationed along the River Walk, while historical displays and vendors were set up in the Citizen Northern parking lot. The day started out with a 5K run. The Susquehanna Greenway Partnership organized a river clean-up with many volunteers. Bicycle rentals were provided by Bonner Sports & RV. Overall, the Ribbon Cutting Event was a great community event and everyone had a wonderful time.



Photos from the River Walk
Ribbon Cutting Event



Susquehanna River Walk Online!

The Susquehanna River Walk now has presence online at the Lycoming County Website www.lyco.org and clicking on the River Walk icon on the right hand side. On the website there is a lot of information about the newest Lycoming County recreation asset.

Community Development Block Grant (CDBG)

Projects Completed in 2010:

- * Montgomery Borough Housing Rehabilitation
- * Porter Township Sewer Line Project

2011 Recipients have not yet been announced!

CDBG Projects Currently Underway:

- * Center For Independent Living—Living with Disability Gym
- * Muncy Creek Bridge Rehabilitation
- * Old Lycoming Township Sewer Lateral Replacement Project



Before & After - Montgomery Borough Housing Rehabilitation



Energy Plan - Comprehensive Plan Update

In 2010, the Energy Plan concept was developed and in 2011 it will be completed. The Energy Plan will be an addendum to the County of Lycoming's Comprehensive Plan adopted in 2006. The County of Lycoming understands the key to future sustainability is a strategy where renewable and nonrenewable energy sources can interrelate. The main tasks of the Energy Plan include the following:

1. Establish an Energy Plan Advisory Committee
2. Benchmark Lycoming County Energy-Related Planning, Policies, and Recent Activities
3. Review Regional, State, and National Energy Policy, Initiatives, and Funding
4. Inventory and Analyze Lycoming County's Existing Energy Market
5. Community Outreach—Surveys, Interviews, One-Day Workshop
6. Assess Energy Conservation and Reduction Measures
7. Assess Future Nonrenewable and Renewable Energy Deployment
8. Develop Energy Plan Strategies and Strategic Actions
9. Public Meeting
10. Finalize and Adopt Plan





Municipal Corridor Plan Project

Started in the Summer of 2008, the plan was in full swing during 2009 and completed in draft form in 2010 .

The Consultant Team of Mackin Engineering, MACTEC Engineering, and Larson Design Group was put together to assist in the project. The Corridor Plans have a three-step approach including: **Feasibility Study, Visioning, and Implementation Strategy**. The Feasibility Study includes the market assessment and parcel profiles to illustrate what is possible in the two corridors.

Project Milestones:

- * May 2009: Kick Off Event
- * Summer 2009: Coordinated YAP with School Districts
- * Summer 2009: Website Launched
- * August 2009: Public Official Meetings
- * October 2009: Landowner Meetings
- * October 2009: First Round Public Meetings
- * December 2009: Corridor Plan Steering
- * February 2010: Montgomery YAP Completed
- * March 2010: Williamsport YAP Completed
- * June 2010: Feasibility Study Completed
- * June 2010: Corridor Plan Steering Council Meeting
- * July 2010: Second Round Public Meetings
- * Review Draft Document
- * October 2010: Corridor Plan Steering Council Meeting
- * November 2010: Third Round Public Meetings
- * November 2010: Old Mill Corridor Ground Breaking Event & Office is provided to Montgomery by Moran Industries
- * November 2010: Williamsport YAP becomes the Youth Ambassador Council, a permanent club at WAHS
- * Review Final Draft Document



Youth Ambassadors and Mr. Weaver put their 'Money where their Mouth' at the third public meeting in Williamsport.



Old Mill Groundbreaking Event Moran Industries welcomes two Marcellus Shale Support companies to their new home.

Upcoming Milestones:

- * February 8, 2011: Adoption of Old Mill Corridor Plan by Montgomery Borough
- * February 17, 2011: Adoption of I-180 Corridor Plan by City of Williamsport
- * IMPLEMENTATION !



Third public meeting at Montgomery Borough.



Final Corridor Implementation Plans



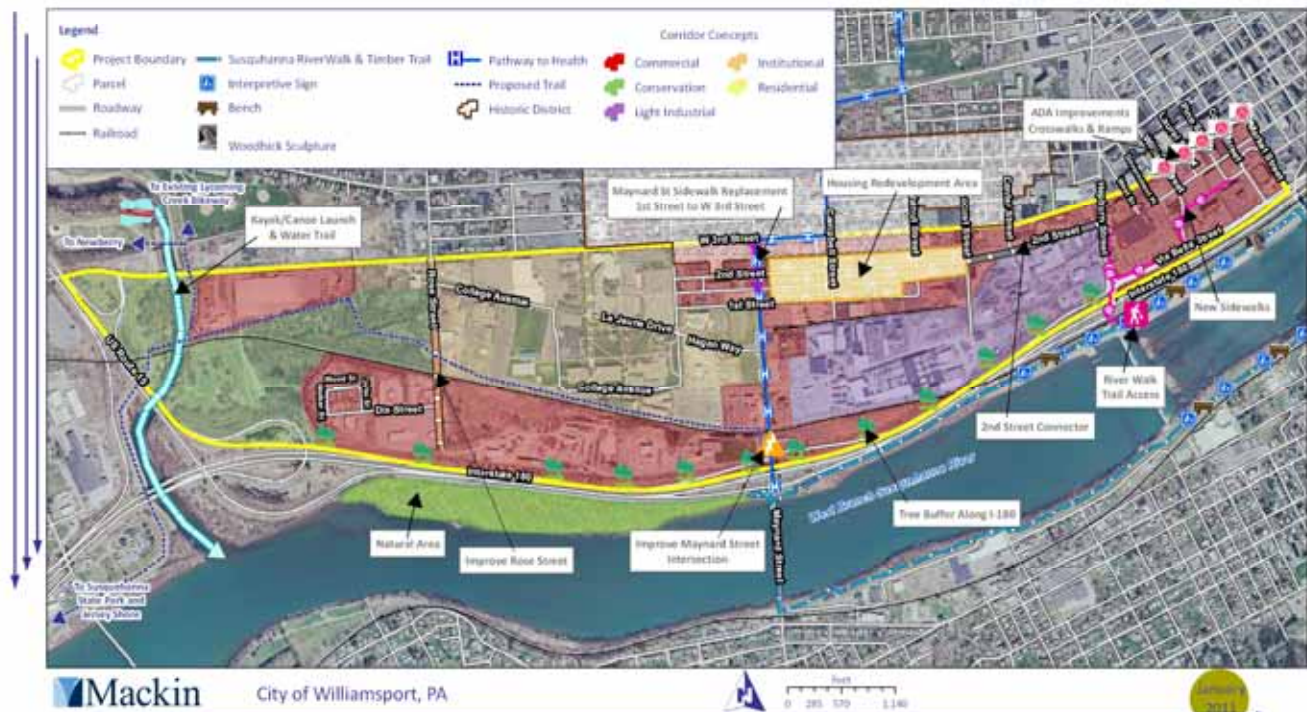
LYCOMING COUNTY MUNICIPAL CORRIDOR PLANS

MAP 4.2: OLD MILL CORRIDOR IMPLEMENTATION PLAN



LYCOMING COUNTY MUNICIPAL CORRIDOR PLANS

MAP 4.1: I-180 IMPLEMENTATION PLAN



LYCOMING COUNTY, PENNSYLVANIA



A SAFE COMMUNITY

In 2010, the County of Lycoming was designated a **Safe Community** by the World Health Organization. The Safe Community Designation is awarded to communities that have demonstrated leadership in promoting safety, reducing injuries, and preparing their citizens for natural and man-made disasters. Through the collaboration efforts of the Lycoming County Health Improvement Coalition (LCHIC), Lycoming County' was deemed to be one of the most consistent, sustainable and proactive counties in Pennsylvania, and one of only a handful in the United States, to have earned this prestigious international designation. This designation is a pinnacle of achievement for LCHIC and all of Lycoming County. Business, community organizations, and residents were invited to proudly display the Safe Community window cling, a sign that we all endeavor to continue to find new and effective ways to assure that Lycoming County is always a safe place to live, learn, work, and play.







Lycoming County
PENNSYLVANIA
Chairperson,
County Commissioners:
Rebecca Burke

Lead Organization:
**Lycoming County Health
Improvement Coalition**
Executive Director: Tana DeWire, MBA
49 E. Fourth Street, Suite 107
Williamsport, PA 17701
Phone 814-570-3231-0390
FAX 814-570-3231-4264
E-mail: health@usdink.net

Community Web Site: www.lyco.org
Lead Organization Web Site:
www.lchic.org






The Journey
from
Application
through
Evaluation
to the
Designation
Ceremony

LYCOMING COUNTY, PENNSYLVANIA

**SAFE COMMUNITY
DESIGNATION CEREMONY**

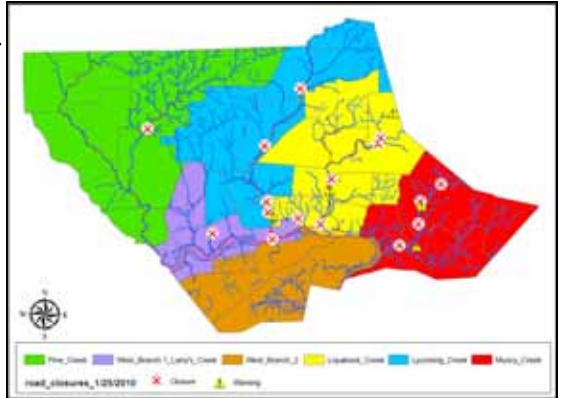
SATURDAY, AUGUST 21, 2010
4:30 P.M. TO 7:00 P.M.

PARK PLACE,
800 WEST FOURTH STREET,
WILLIAMSPORT, PA 17701

Hazard Mitigation

January Flood On January 25, 2010 the County of Lycoming faced its first major flood since 2004. As part of the Hazard Mitigation Planner's responsibilities, he is in charge of organizing a damage assessment team for post disaster damage reporting. His team, which included fellow planning department co-workers, gathered public damage data (damage to roads and other municipally owned infrastructure) from all 52 municipalities as well as municipal authorities.



16 roads were closed around the County



Emergency Operations Center Activated

The team worked diligently and in full cooperation with the Department of Public Safety to relay this vital damage information to PEMA. In total, the County as a whole incurred over \$600,000 in public damage. This damage level was sufficient for the Commissioners to make a County wide disaster declaration.



Montour Oil Flooded



Approximate flood inundation area for Montoursville Borough from 1/25/10 Flood



Montoursville household elevating furniture above expect flood level

HMA National Panel Evaluation

In January, PEMA selected Fran Jones and John Lavelle to represent Pennsylvania at the Hazard Mitigation Assistance (HMA) National Panel Review held in Arlington Virginia. As the Pennsylvania representatives, they had the responsibility of reviewing and critiquing grant applications submitted by States, Territories, Tribal Governments and local jurisdictions throughout the country. The grant applications they evaluated covered a broad range of projects from hazard mitigation plan updates, to minor flood control projects, to the construction of tornado shelters.



Attending the HMA National Panel Review gave the two great insight into what FEMA considers in these nationally competitive grant applications and provided them with a chance to network with various professionals throughout the Country. In addition, John Lavelle received a letter of commendation from the State Hazard Mitigation Officer of California for his input in the panel discussions.

Flood Summit

Education and outreach are some of the most effective ways of mitigating future hazards. Since 2008 members of Lycoming County's Planning staff and Conservation District have teamed up with the Endless Mountains Resource Conservation & Development Council to educate municipal officials in Bradford, Sullivan, Lycoming, Tioga, Susquehanna, and Wyoming Counties.

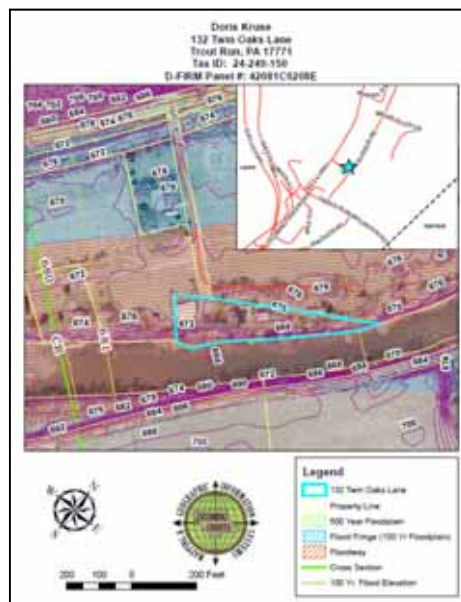
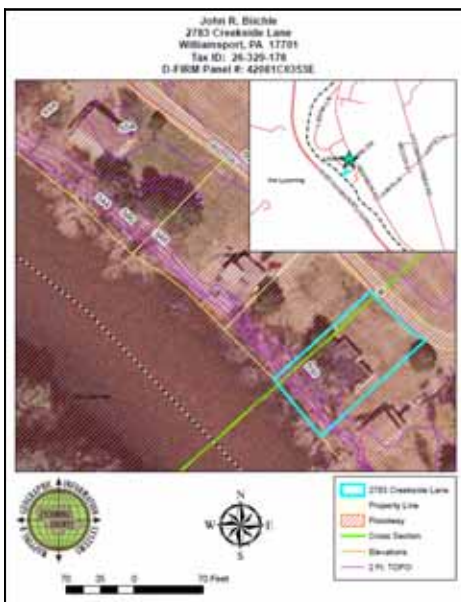
In 2010, we concentrated on the topics of floodplain mapping, permitting, hazard mitigation, and stormwater management. In 2011, we will focus on natural gas exploration and how local municipalities can help protect their citizens health, safety and welfare as this industry begins to grow in our area. The summit will also cover post-flood damage reporting, DEP & FEMA grant programs, and hazard reduction initiatives. Once a date has been set for this year's summit, advertisements will be sent to municipal officials and land use professionals .



Hazard Mitigation Grant Program

This year the Hazard Reduction Planner submitted three grant applications for Hazard Mitigation Grant Program (HMGP) funds. These funds will be used to acquire three properties which are located within the Floodway of Lycoming Creek. This Program is a competitive grant source that is available to all communities state wide. All three properties are classified as Repetitive Loss properties by FEMA and have claimed over \$160,000 of flood losses since 1994. The total project cost for these three acquisitions will be \$328,000 — which includes all purchasing costs, demolition, and staff time. We are hopeful that these properties will be acquired and returned to open space in late summer or early fall of 2011.

The HMGP funds currently available are due to the Presidential disaster declaration related to the February 2010 blizzard. HMGP funds typically require that the applicant (in this case the County of Lycoming) pay 25% of the total project cost (\$82,000), but Pennsylvania has a tradition of subsidizing these grants. For the current round of HMGP funds, the Governor has elected to provide the full amount of required local cost share — enabling the County and participating municipalities to implement these mitigation projects at no local cost.

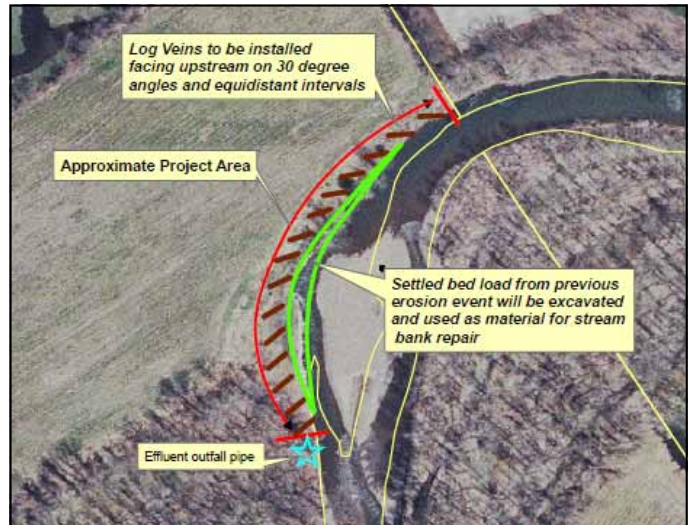


Advise and Support The Hazard Mitigation Planner continues to provide advice to municipal zoning officers and officials with regard to proposed development within the regulatory floodplain. The department also offers guidance to property owners regarding flood insurance and floodplain mapping. He has also made it a point to inform eligible communities and organizations when grants become available to assist them in their efforts to gain funding for mitigation projects. John also offers technical support in application development and project management.

In 2010, John assisted the Hughesville-Wolf Authority in the compilation of an application to protect the Authority's effluent outfall pipe by stabilizing a portion of Muncy Creek stream bank directly upstream of the outfall pipe's location. If funded, 15 multi-log vein structures will be placed along the outside bend of the stream's meander at equidistant intervals. This fluvial geomorphology technique will stabilize the bank by increasing the accumulation of sediments on the log structure and reduce the amount of sediments now being deposited into the Muncy Creek watershed due to the unstable stream bank. This stream bank stabilization technique has a history of success in the watershed.



Project area map showing the approximate location of the multi-log vein structures



Picture representative of stream bank erosion throughout the project area

John is also assisting Jersey Shore Borough in an application for a nationally competitive FEMA Pre-Disaster Mitigation (PDM) Grant to correct a storm water/flooding problem they have been experiencing with Lawshe Run. Lawshe Run is a stream that flows directly through the middle of Jersey Shore Borough. Sections of the stream have been manipulated and enclosed in culverts, which carry the water beneath streets and buildings in the community. Some of these culverts date back to the mid-1800s.

The Borough engineer has completed an assessment of Lawshe Run and its associated infrastructure that revealed many problems requiring immediate attention. Due to the system's age, sections of the culverts are possibly undersized and/or structurally insufficient. If these culverts should fail and collapse, it will result in residential flood damage, ground subsidence, and traffic disturbance.

Currently, the project is in the scoping phase. The County intends on submitting a PDM application by October 2011.



Deteriorating Culvert



Failing Stone Arch Enclosure

PAFPM Conference

The Pennsylvania Association of Floodplain Managers, of which the County of Lycoming has two charter members on the executive committee, held their first annual conference in Williamsport on October 26, 2010. The conference was attended by over 50 floodplain management professionals that represented communities throughout the commonwealth and was organized into two sessions.



During the morning secession, PAFPM provided attendees with updates on both federal and state agencies like: PA Department of Environment Protection, PA Department of Community and Economic Development, PA Emergency Management Agency, Federal Emergency Management Agency; as well as, organizations like Association of State Floodplain Managers, American Rivers, and the Nature Conservancy.

In the afternoon session, the focus was on natural gas exploration and how the industry is regulated. This session covered DEP's permitting authority, an overview of the phases of drilling and associated activities, a case study (presented by the County Hazard Reduction Planner) pertaining to floodplain management and how it can be utilized when reviewing drilling permits, a presentation on how county public safety professionals are adapting to this new industry, and a panel discussion with regulatory experts.

Hazard Mitigation Plan Update

In 2005, the first County Hazard Mitigation Plan (HMP) was written by the Planning and Community Development Department as a service to all of it's municipalities. Through the preparation of this plan, municipalities within Lycoming County are fulfilling the requirements set forth in the Robert T. Stafford Act. The **Robert T. Stafford Act** specifies that all municipalities must adopt a FEMA-approved HMP in order to be eligible for funding through the Hazard Mitigation Assistance (HMA) Program as well as the Public Assistance (PA) Program. In addition, the Act requires that the HMP must be updated every five years to identify any new hazards within the County of Lycoming and show the progress of our mitigation efforts since the last plan was adopted.



**Broad St. Montoursville
after Hurricane Ivan,
Sept. 2004**



**Natural Gas Rig Drilling in
Muncy Creek Floodplain,
Feb. 2010**

The goal of the HMP is to identify all natural or manmade hazards Lycoming County faces. There are two major components to the HMP. First, the plan profiles and assesses the risks of each hazard. Then, for each defined hazard, a mitigation project or goal is formulated to lessen or prevent the impacts which the hazard might have on a community. The updated plan prioritizes each hazard using objective criteria such as: probability of occurrence, impact if it occurs, spatial extent, warning time, and duration. After taking all of these factors into account, flooding remains Lycoming County's top hazard.



**Storm System Developed
Tornadoes North of
County - July 2010 ***



**Straight Line Wind
Caused 2 Fatalities in
Muncy - Sept. 2010 ***

* Pictures Courtesy of Williamsport Sun Gazette

Other hazards include: severe winter storms, tornadoes/windstorms, thunderstorms/hail, traffic accidents, power outages, terrorism, fixed nuclear incidents, and natural gas accidents.



The HMP also contains a capability assessment section compiled by using information provided by each municipality's completed capability assessment survey. The capability assessment is an evaluation of a community's governmental structure, political framework, legal jurisdiction, fiscal status, policies, ordinances, and resource availability. After analyzing the survey data, input received at plan update meetings and community information, we identified areas and resources that may need strengthening over the next five years. These areas included: adoption of more stringent floodplain management ordinances, enactment of capital improvement plans for major projects that will require expensive upgrades or renovations, and development of localized disaster recovery plans. Currently, of the 52 municipalities in Lycoming County, only 12 of them report having a local disaster recovery plan in place.

The **updated** Hazard Mitigation Plan was approved by PEMA in 2010 and is awaiting approval by FEMA Region III. Once the plan is approved by both agencies, the County of Lycoming and all 52 municipalities will be able to adopt the plan by resolution.

Muncy Borough River Gauge

In August the County was contacted by Muncy Borough's Safety Committee about the possibility of installing an automated river height gauge on the SR 405 Bridge, where a manual drop wire gauge currently exists. After receiving this request, the County's Department of Public Safety and the Planning and Community Development Department began to jointly explore potential Federal and/or State funding sources to meet this request.

The current river monitoring procedure is as follows. Once the Susquehanna River reaches a designated height, the Emergency Manager for the Borough of Montgomery stations an emergency management volunteer on the S.R. 405 Bridge in the Borough's mobile command center. This volunteer constantly measures the river height and relays the information to Montgomery's Emergency Operations Center (EOC), the County of Lycoming's EOC, and EOCs in other municipalities who are also vulnerable to flooding from the West Branch of the Susquehanna River.

Montgomery Borough assumes this responsibility because the S.R. 405 Bridge is rendered inaccessible from the North side of the river due to floodwater inundation. Thus, the installation of an automated stage only ("stream height") gauge will enable multiple municipalities and agencies to monitor river height on-line, and in real time.



Unfortunately, we were unable to firmly secure a source of funds suitable to cover the \$25,000 installation costs. But given the amount of potential economic loss and number of at risk properties (see table below), the Board of Commissioners are willing to fund 80% of the entire project and incorporate the flood gauge into the County's Flood Warning System. The Hazard Reduction Planner will assist Muncy Borough in seeking the remaining 20% of the project costs.

<u>Municipality</u>	<u>Population</u>	<u>Percentage of Parcels in Floodplain</u>	<u>FEMA Repetitive Loss Properties</u>	<u>Estimated Flood Loss</u>
Montgomery Boro.	1,695	45% (280 of 615)	35	\$16,860,180
Muncy Creek Twp.	3,487	32% (450 of 1,415)	33	\$382,058,850
Muncy Boro.	2,663	44% (468 of 1,056)	108	\$40,892,100

Environmental Planning

Pine Creek Initiatives. The Planning Commission assisted the Pine Creek Council of Governments with strategic action initiatives in the Pine Creek valley to protect community character, provide enhanced sanitary facilities, address emergency service concerns, improve access from the Pine Creek Rail Trail to businesses and to meet other needs of the Valley. Projects completed or significantly advanced in 2010 include public restrooms at Waterville and Morris; gateway signage near the intersection of PA Route 44 and US 220; a porous pavement parking area in the Village of Cedar Run; and improved creek accesses.



Porous pavement

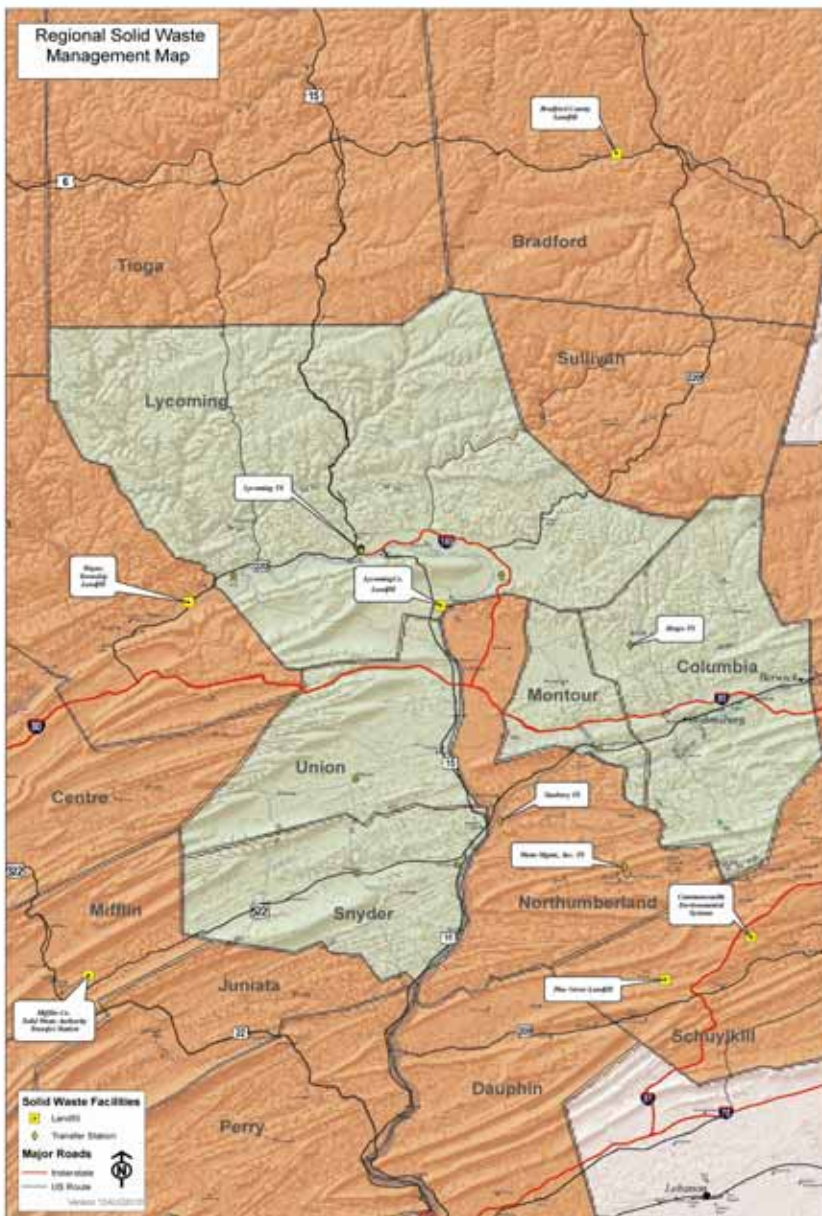
Municipal Separate Storm Sewer System (MS4). During 2010, Lycoming County continued to assist the six municipalities in the Greater Williamsport Area and the Pennsylvania College of Technology to comply with the Federal MS4 requirements. The overall goal of the PA DEP Program is to improve water quality of urban stormwater runoff.



Regional Solid Waste Plan



A Regional Solid Waste Plan is being developed for Columbia, Lycoming, Montour, Snyder and Union Counties in order to ensure that each county is provided with sufficient waste processing and disposal for at least the next 10 years. The Regional Plan will identify and evaluate the feasibility of more efficient waste collection and recycling alternatives such as regional transfer stations and recycling facilities.



During 2010, an intergovernmental agreement was ratified by the five participating counties. A Request For Proposals was prepared and the consultant team was selected and hired. Lycoming County applied for and received a Phase I DEP 901 grant for \$250,000. Kickoff meetings have been held in each county. A steering committee of representatives from each of the counties and five stakeholder groups (municipal officials, citizens, waste haulers, recycling, and business/industry) has been formed and have met. The draft Plan is scheduled to be released in March of 2011.

For more information about the Plan, including detailed meeting summaries, please go to the Regional Solid Waste Plan website at <http://www.lrkimball.com/lycoming-county-regional-waste-plan.aspx>

STORMWATER MANAGEMENT

The Lycoming County Stormwater Plan and Lycoming Creek Watershed Stormwater Plan were both adopted by the County Commissioners on May 6, 2010 following an extensive public review and input process. PA DEP approved the Plans on September 16, 2010. The purpose of the Plan and Model Ordinance is to maintain current flood levels while accommodating new development, prevent damage to stream banks, improve water quality, and increase groundwater infiltration. The County is assisting municipalities with adoption and administration of implementing stormwater ordinances. Training workshops were held in mid-November 2010 and covered best management practices (BMPs).

Stormwater BMPs

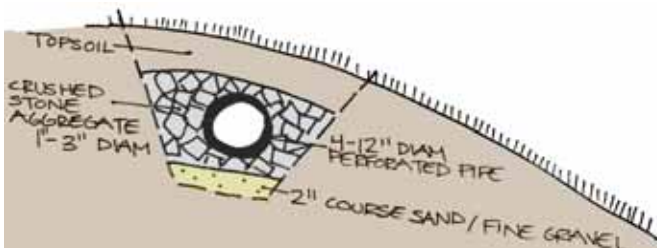
Disconnecting Impervious Surfaces

Impervious areas such as driveways, patios and roofs can be disconnected to have their stormwater runoff directed to more penetrable surfaces like lawns with desirable slopes or vegetated areas, such as swales or rain gardens. Disconnecting a downspout from a roof is best done with a downspout extension as shown below.



Level Spreaders

These are recommended for redirecting runoff to a lawn. A downspout disconnect will connect to the level spreader perforated pipe, which will distribute the runoff over a larger area of lawn, making infiltration easier. Level spreader pipes should be installed as level as possible, along a slope contour as shown below and on the right. Level spreaders should have a minimum length of 10 feet.



Why Do Stormwater Management?

Development impacts the flow-patterns and quality of water:

- Impervious surfaces like concrete, asphalt and buildings prevent stormwater from infiltrating the ground and recharging aquifers as it naturally would
- Impervious surfaces create runoff at increased levels which can cause damaging flooding by increasing the amount of water in streams and rivers
- Stormwater runoff also collects pollutants like organic chemicals, excessive nutrients and petroleum hydrocarbons, all of which end up in our lakes, streams and rivers
- Increased runoff erodes stream banks and collects sediment and gravel which pollutes water and reduces stream capacity

Rain Gardens

These are essentially shallow depressions that contain a variety of plants. Flowers, shrubs, grasses and trees will capture, filter and infiltrate stormwater while adding a pleasant appearance that can take many shapes and forms. Rain gardens should be located at least 10 feet away from your house in a naturally occurring low area that gets full to partial sun.



Rain Barrels

Barrels are used to simply collect rainwater for future use. The rainwater will be soft and therefore ideal for gardening and car and window washing. A rain barrel could provide you with around 1,300 gallons of water during summer months.





Lycoming County Sells Nutrient Credits at Inaugural PENNVEST Credit Auction

Revenue of \$93,710 to be shared by six farmers and Lycoming County

Six Lycoming County farm operators will reap financial rewards from the County's success in the first-ever PENNVEST nutrient credit auction.

"We are so proud to be part of this success story as the only County-wide effort to engage in credit trading," said County Commissioner Jeff C. Wheeland. "Lycoming County has worked for more than two years to make this moment possible. The nutrient trading program has finally gone from concept to reality."

Held in two rounds, Oct. 28-29 and Nov. 4-5, the PENNVEST auction cleared the sale of 104,000 nitrogen credits over a three-year period (2011 through 2013). Lycoming County will provide 31,181 credits, approximately one-third of the total number of credits sold in the first auction. Participation in the auction was voluntary and open to anyone who could offer certified nutrient credits generated in the Chesapeake Bay watershed in Pennsylvania.

Seventy-five percent of the total three-year revenue of \$93,710.86 will be paid out to the six farm operations that generated the credits by implementing conservation practices such as riparian buffers, streambank fencing, rotational grazing, and manure export. The remaining 25% will be retained by Lycoming County to recoup the costs of operating the program. Participation in the nutrient trading program and PENNVEST auction requires County staff to engage in a lengthy process of credit certification, verification, determination of auction eligibility, and auction enrollment.

The PENNVEST credit clearinghouse is part of the Commonwealth's nutrient trading program, designed by the Pennsylvania Department of Environmental Protection (PA DEP) as an optional tool to decrease the cost of compliance with



Above: Members of the CBTS Advisory Committee were given a presentation and tour of the Trout Run Park/Lycoming Creek Restoration project in Lewis Township during the Spring 2010 Tour.

Chesapeake Bay pollution reduction mandates. Credit trading allows regulated point sources, including sewer plants, large industrial dischargers, and private developers, to purchase credits in lieu of making costly upgrades to their on-site wastewater treatment facilities. In many cases, purchasing credits can dramatically reduce the cost of complying with nutrient reduction mandates, saving ratepayer dollars and increasing economic competitiveness.

The credits are generated by nutrient reductions made by farms across the watershed that implement conservation practices and employ innovative technologies to reduce nutrient runoff from their operations. Credits can also be generated by wastewater treatment facilities that go beyond

(continued)



Above: Members of the CBTS Advisory Committee and guests stand in front of the County's Lysock View building and view the County Farm during the 2010 Fall Tour. Conservation District Manager Mark Davidson explains the newly-implemented BMPs (Best Management Practices) being implemented to enhance the environmental stewardship of the property. Below: The group passes through the riparian buffer on the Morrison Farm in Moreland Township. It is one of six farms in the County to generate certified nutrient credits and, later, sell those credits through the County program.



(continued) their required pollution reductions. In the future, additional practices in stormwater management and stream restoration may be incorporated into the program.

The Lycoming County Chesapeake Bay Tributary Strategy (CBTS), originated in 2008, has brought together stakeholders from across the County to craft an innovative program that provides flexible options to wastewater treatment plants, preserves economic opportunities, and improves the environment here at home. “The conservation practices used to generate these credits have local impacts that go above and beyond their benefits to the Chesapeake Bay,” said Wheeland. “These farmers are creating local environmental benefits, such as aquatic and riparian habitat improvements and erosion reduction. It goes to show that if we are good stewards of the land and clean up our own streams, the Bay will take care of itself.”

Development of the Lycoming County CBTS initiative has been supported by grant funding from PA DEP, the Pennsylvania Department of Community and Economic Development, and the National Fish and Wildlife Foundation. Consultant assistance for the project was provided by Delta Development Group, Brinjac Engineering, LandStudies, Inc., and their subconsultants: Dennis W. Auker, AICP Environmental Planning Consultant; John R. Shuman, Ph.D; and Red Barn Trading Company.

For more information, visit the Lycoming County CBTS home page, which can be accessed by visiting www.lyco.org and clicking on the CBTS logo on the right side of the home page. Current features include information about the County program, recent news articles, upcoming events, photo slideshows, and links to other resources.



Left: LCPC staff and commissioner Jeff Wheeland visited Centre Concrete, Montoursville, in April to learn about pervious concrete, a “green” product that greatly reduces stormwater runoff and pollution, and increases groundwater recharge.

Right: In December 2010, Conservation District Manager Mark Davidson (top photo) and District technicians Rod Morehart, Eric Beaver (bottom photo), and Chad Bower (not pictured) were presented Employee of the Quarter and Job Well Done awards, respectively, by the Lycoming County Commissioners. The awards were given for their contributions to the County’s CBTS program and first successful nutrient trade. The District staff members were nominated for the awards by Planning Department Staff who have worked in close partnership on this effort.



Conservation Learning Trail Planned for County Farm

Left: A conservation learning trail is being planned for the County Farm property as part of the County’s FAME initiative (Farm Action Management Effort). At left, Commissioner Jeff Wheeland and LCPC Administrative Support Supervisor Deb Bennett, joined by Wheeland’s dog, Chevy, walk through the proposed trail site. The trail will feature several interpretive signage stations, with educational panels about the BMPs installed in the Farm, forestry BMPs, watersheds and native species identification. A select timber cut was completed in late 2010 after DCNR Forester Jason Smith marked trees to be cut based on considerations of species diversity, invasive species removal, and forest succession. Proceeds from the timber sale will be used to construct the trail, and grant funding is also being sought. Community organizations interested in making a donation toward the cost of the trail will have their logo placed at the trailhead kiosk.

Transportation

Route 15 Progress

The Lycoming County Planning Commission has worked with the Route 15 Coalition and Appalachian Thruway Association for many years to advocate for the completion of Route 15 to a modern four lane limited access highway from New York to Maryland. In 2009, construction of the Steam Valley Mountain Southbound lanes were completed. Work on the northbound lanes was completed in September, 2010.

The goal of Route 15 modernization will hopefully be realized when New York completes their \$ 80 million, five mile missing link between the PA border and Corning NY which is now under construction and Pennsylvania completes the proposed \$ 600 million Central Susquehanna Valley Thruway (CSVTV) in Union, Snyder and Northumberland Counties. The LCPC Transportation Planner (Mark Murawski) continues to serve as the President of the Route 15 Coalition and Appalachian Thruway Association.



Improved and expanded Route 15 looking south from Fry's Turkey Ranch

Rail Service

In October 2010, the US Department of Transportation Secretary Ray LaHood and Congressman Chris Carney announced the award of a \$10 million Transportation Investments Generating Economy Recovery (TIGER II) grant to the SEDA-COG Joint Rail Authority in partnership with the County of Lycoming which will fund 15 railroad infrastructure capacity improvement projects in Lycoming, Union, Northumberland, Centre and Blair Counties to help meet the rail service hauling needs of Marcellus Shale gas drilling operations within the region. In Lycoming County, a dramatic increase in rail carloads has been witnessed along the Lycoming Valley Railroad (LVRR). In 2010, the LVRR transported nearly 6,000 carloads of frac sand, piping, drilling equipment, chemicals and other materials re-



lated to the gas industry which is a significant increase over the 1,600 carloads handled by LVRR in 2009. Approximately 30% of all rail traffic on the LVRR is now gas related. This activity helps the railroad increase revenues during a difficult economic recession where other railroads in the nation are struggling, and reduces the amount of truck traffic on our aging highways and bridges. Each rail car of materials reduces 4 truck trips from our roads.



Airport

The year 2010 was a very good one at the Williamsport Regional Airport. Thanks largely to the gas industry, our airport is one of the fastest growing airports in the nation with a 23% increase in commercial enplanements in just the last six months. Like rail service, about 35% of all commercial air traffic at the airport is now attributed to Marcellus Shale industries. This dramatic uptick in air traffic will present our Airport Authority with new opportunities never before seen at the airport.

Beginning in January 2011 US Airways is initiating the use of 50 seat aircraft for Philadelphia bound flights to respond to the sudden spike in air traffic which is filling up the 37 seat planes on each flight. On average, 95% of the seats on each flight are filled thus underscoring the need for the larger planes containing additional seats.

The Airport Authority, Lycoming County Commissioners and Williamsport-Lycoming Chamber of Commerce are exploring options to provide direct commercial service between Williamsport and destinations south and west. It has been well over two decades since our airport has been served by a second air carrier and this potential service improvement will offer airport customers more travel choices at their hometown airport.



Another significant development at the airport is the reactivation of the Airport Access Road Project which includes the replacement of the Lycoming Valley Railroad Bridge over Loyalsock Creek. Design of this nearly \$27 million project was suspended by PennDOT due to lack of federal and state funding for construction. The Lycoming County Commissioners and SEDA-COG Joint Rail Authority are working as partners with PennDOT to advance a funding strategy that will enable PennDOT to resume final design of this project in Spring 2011 and begin construction in 2013. This project is becoming increasingly urgent due to the substantially longer and more frequent trains passing by the airport due to the gas industry. These trains block the only public access to the airport thus causing serious emergency response concerns.

The Airport Authority entered into a lease with Sooner Pipe to develop a major pipe lay-down yard that is rail served on airport KOZ property which is helping airport revenues and advancement of limited rail served sites in the County to support the gas industry.

Lycoming County

Small Bridge Inspection Program

In 2010, the County of Lycoming was the first county in Pennsylvania to initiate an in-depth inspection of locally owned bridges that are less than 20 feet in length since current federal inspection regulations do not require routine inspections of these smaller span structures. Currently, Lycoming County inspects 102 county and municipality owned bridges greater than 20 feet in length.



There are 100 more locally owned bridges in the County that are under 20 feet in length. Of these smaller bridges, 30% are in good condition, 50% are fair and 20% are poor. A systematic inspection process is beneficial toward identifying structural deficiencies so that corrective action can be undertaken to ensure public safety and transportation system connectivity especially in light of the extensive heavy hauling activity associated with the gas industry.

This program is being used by PennDOT as a state-wide model for other counties to consider implementing similar programs so that the full extent of the bridge problem in the Commonwealth can be understood and addressed. PA has the highest percentage of structurally deficient bridges (23%) in the nation and PennDOT has made bridge improvements a high priority for targeting additional funding resources. The small bridge inspections were performed by Bassett Engineering of Montoursville PA.



Local Technical Assistance Program

In 2010, the Lycoming County Planning Commission continued its partnership with PennDOT and the PA State Association of Township Supervisors to offer the Local Technical Assistance Program (LTAP) in Lycoming County. The LTAP program provides extensive training and technical assistance to municipal officials regarding a variety of transportation matters. The LCPC Staff regularly surveys all 52 municipalities to gather input on training needs and then works with PennDOT and Pennsylvania State Association of Township Supervisors (PSATS) to provide the types of training most frequently identified by our municipalities.

2010 LTAP Courses Held in Lycoming County

- * *Drainage*
- * *Posting and Bonding*
- * *Winter Maintenance*
- * *Stormwater Management*
- * *Project Cost Estimating*

Since the Lycoming County Planning Commission began our partnership with PennDOT to help market the LTAP Program five years ago, we have more than doubled the number of training courses offered in the County and have seen municipal official attendance rise nearly 150%! All courses were held at the Woodward Township Fire Hall. More courses are scheduled for 2011.



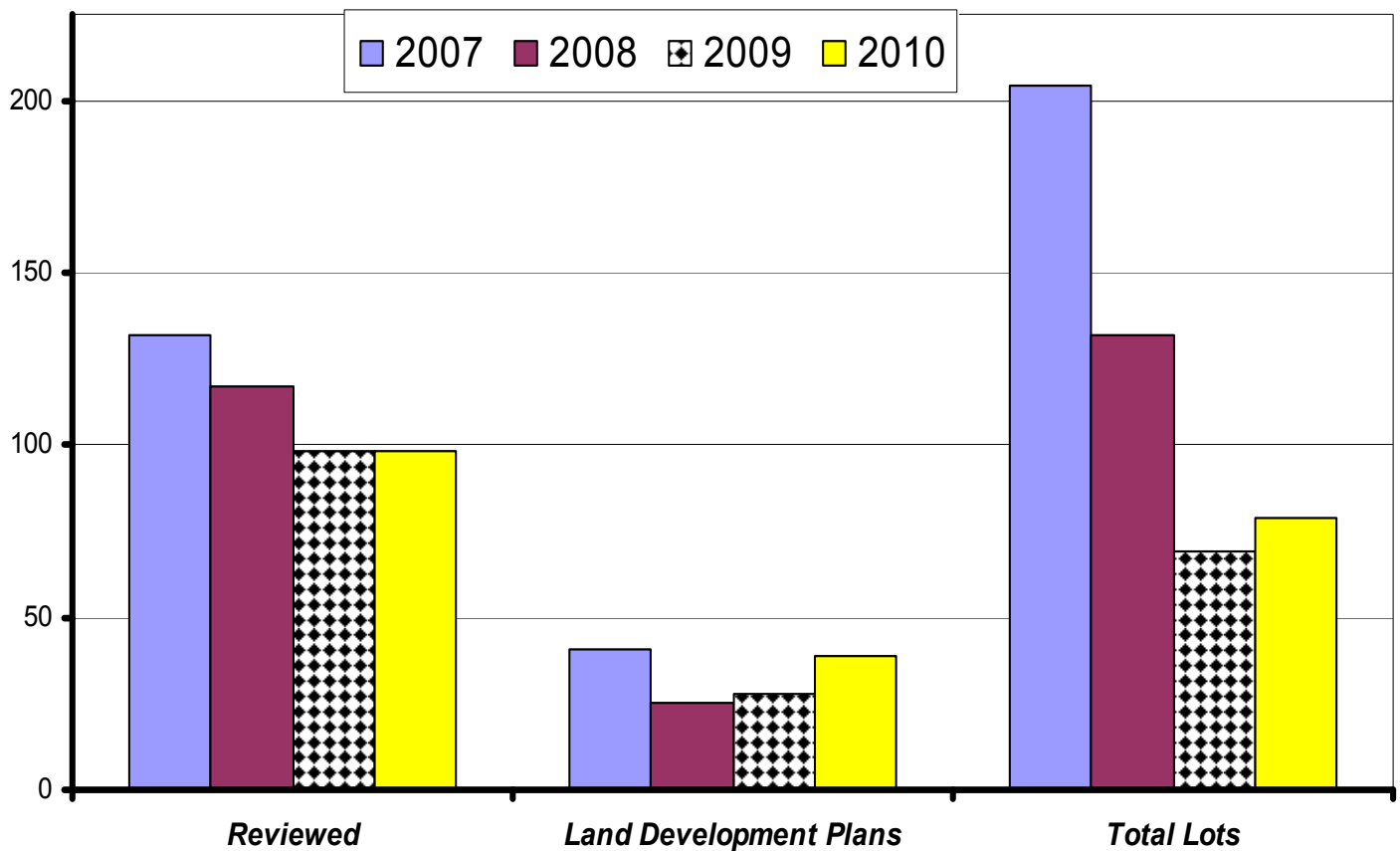
Land Development

Development Advisory Assistance

In addition to the 24 municipalities governed by the County Subdivision and Land Development Ordinance, the LCPC staff also provides advisory review comments on subdivision and land development plans concerning the other 28 municipalities in the County. This “advisory” review role is provided by the Development Services Division. These review comments are a service offered to those municipalities who retain approval authority for the administration of their own land development ordinances. The PA Municipalities Planning Code stipulates that the County Planning Agency provide such reviews.

During 2010, the County provided “advisory” comments on 98 subdivision and land development plans. This figure reflects no change from the 98 plans reviewed in 2009. A key subset of the 98 reviews PCD performed includes the 39 land development plans reviewed by this office during 2010. This figure actually reflects an increase of 11 over 2008.

Included in the 2010 lot total were 9 addition-lot plans, 43 single-lot plans, and 11 multi-lot plans which amounted to an additional 36 lots.



County Subdivision & Land Development Ordinance Administration

Anthony	Mill Creek
Brown	Moreland
Cogan House	Muncy
Cummings	Penn
Gamble	Piatt
Jackson	Pine
Jordan	Porter
Limestone	Shrewsbury
McHenry	Watson
McIntyre	Hughesville Borough
McNett	Picture Rocks Borough
Mifflin	Salladasburg Borough

The Lycoming County Subdivision and Land Development Ordinance (SLDO) was enacted on December 26, 1972; updated in 1989. The purpose of the County SLDO is to provide for the coordinated subdivision and land development of the municipality and County. Proposed developments should meet the standards of the Ordinance for the protection of the public health, safety, and welfare.

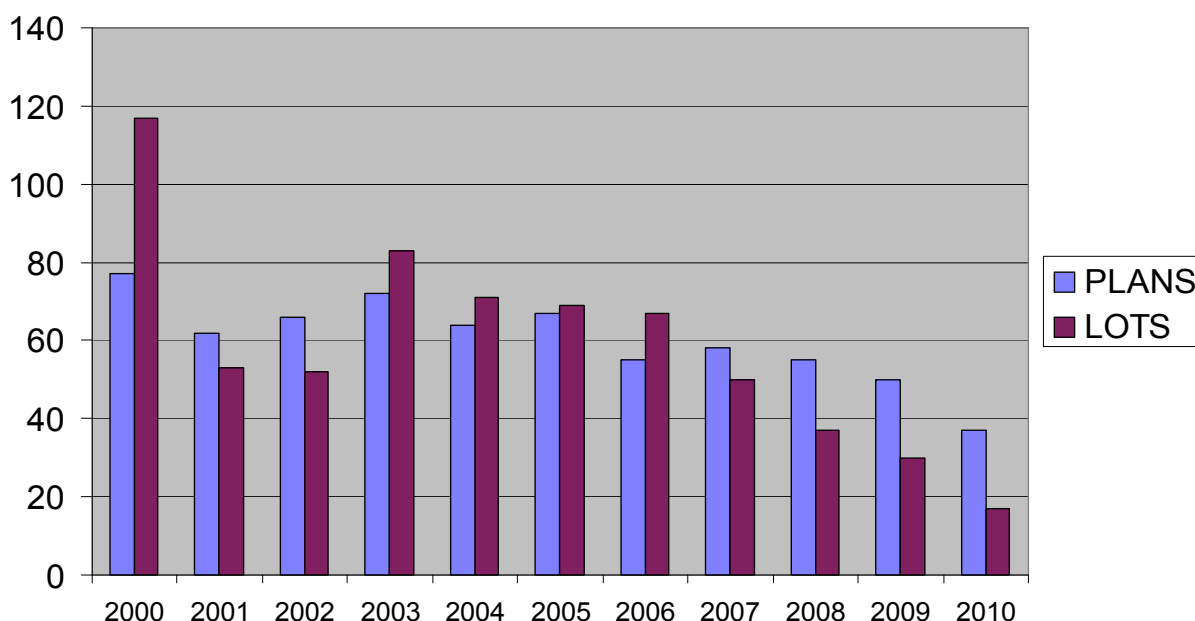
The Lycoming County Planning Commission provides full-time, professional administration and legal support for the SLDO. This service is currently being utilized by 24 municipalities: 21 Townships and 3 Boroughs (as shown to the left).

Staff Activity in 2010

- * Accepted 63 new applications (with 4 submissions carried over from 2009).
- * Processed and granted final approval for 37 subdivisions and 13 land development plans.
- * One subdivision plan and one land development plan were granted preliminary plan approval.
- * Two plans were submitted for re-approval.
- * Two plans were withdrawn.
- * Subdivision plan approvals decreased by 13 from 2009 submissions.
- * Land development plan approvals increased by 7 from 2009; there was 1 business, 2 residential, 2 institutional and 8 natural gas related land developments.



Subdivision Approvals For Municipalities Under County SLDO 2000-2010



A total of 17 new lots were created within the municipalities under jurisdiction of the County SLDO, a decrease of 13 from 2009. Included in the total subdivision approvals, but not in the new lot tally, are 20 lots that were created to be added to existing adjacent properties.



Land Development Plans Approved in 2010

<u>Municipality</u>	<u>Applicant</u>	<u>Use</u>
Cummings Twp.	Anadarko Marcellus	Natural Gas Meter Station
Cummings Twp.	PVR Marcellus	Natural Gas Compressor Station
Hughesville	East Lyc. School Dist.	School Building Addition
Jordan Twp.	Charles Kitzmiller	2 nd Residence on one lot
McHenry Twp.	Anadarko E&P Co.	Water Withdrawal Pump Station
McIntyre Twp.	Ralston Vol. Fire Co.	Fire House Building Addition
Muncy Twp.	PALCO	Credit Union Building Addition
Muncy Twp.	Ruth Hayhurst	2 nd Residence on one lot
Penn Twp.	Chief Gathering	Natural Gas Compressor Station
Penn Twp.	Chief Gathering	Natural Gas Compressor Station
Watson Twp.	Anadarko Marcellus	Natural Gas Meter Station
Watson Twp.	PGE	Water Withdrawal Pump Station
Watson Twp.	PVR Marcellus	Natural Gas Meter Station

County Zoning Partnership

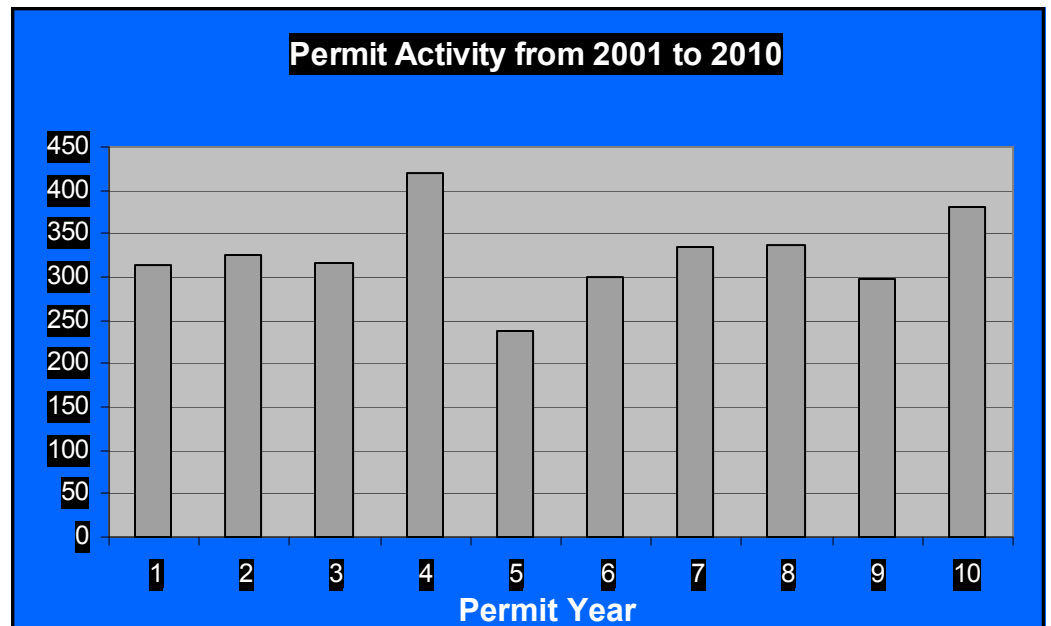
17 Member Municipalities

BROWN TOWNSHIP
CASCADE TOWNSHIP
COGAN HOUSE TOWNSHIP
CUMMINGS TOWNSHIP
JACKSON TOWNSHIP
JORDAN TOWNSHIP
LEWIS TOWNSHIP
MCHENRY TOWNSHIP
MCINTYRE TOWNSHIP
MCNETT TOWNSHIP
MIFFLIN TOWNSHIP
MORELAND TOWNSHIP
MUNCY TOWNSHIP
PENN TOWNSHIP
PIATT TOWNSHIP
SALLADASBURG BOROUGH
WASHINGTON TOWNSHIP

There were a total of 380 Zoning Development Permits approved during 2010 with a total estimated value of \$53,329,725. There was a significant increase in permit activity from 2009. The increase in permits is directly related to the growing natural gas industry across Lycoming County.

Use*	New Construction	Building Additions	Accessory Structures	2010 Total
Single-Family Residence	51	24	115	190
Multi-Family	00	0	0	0
Commercial	1	2	4	7
Home Business	8	0	0	8
Agriculture	0	0	21	21
Institutional	0	0	2	2
Industrial	2	1	2	5
TOTAL	62	27	144	233

*The 233 permits, represented above, does not include the 104 permits issued for Change of Use, Signs, Logging or other Temporary Uses.



Number of
Permits

Zoning Hearing Board

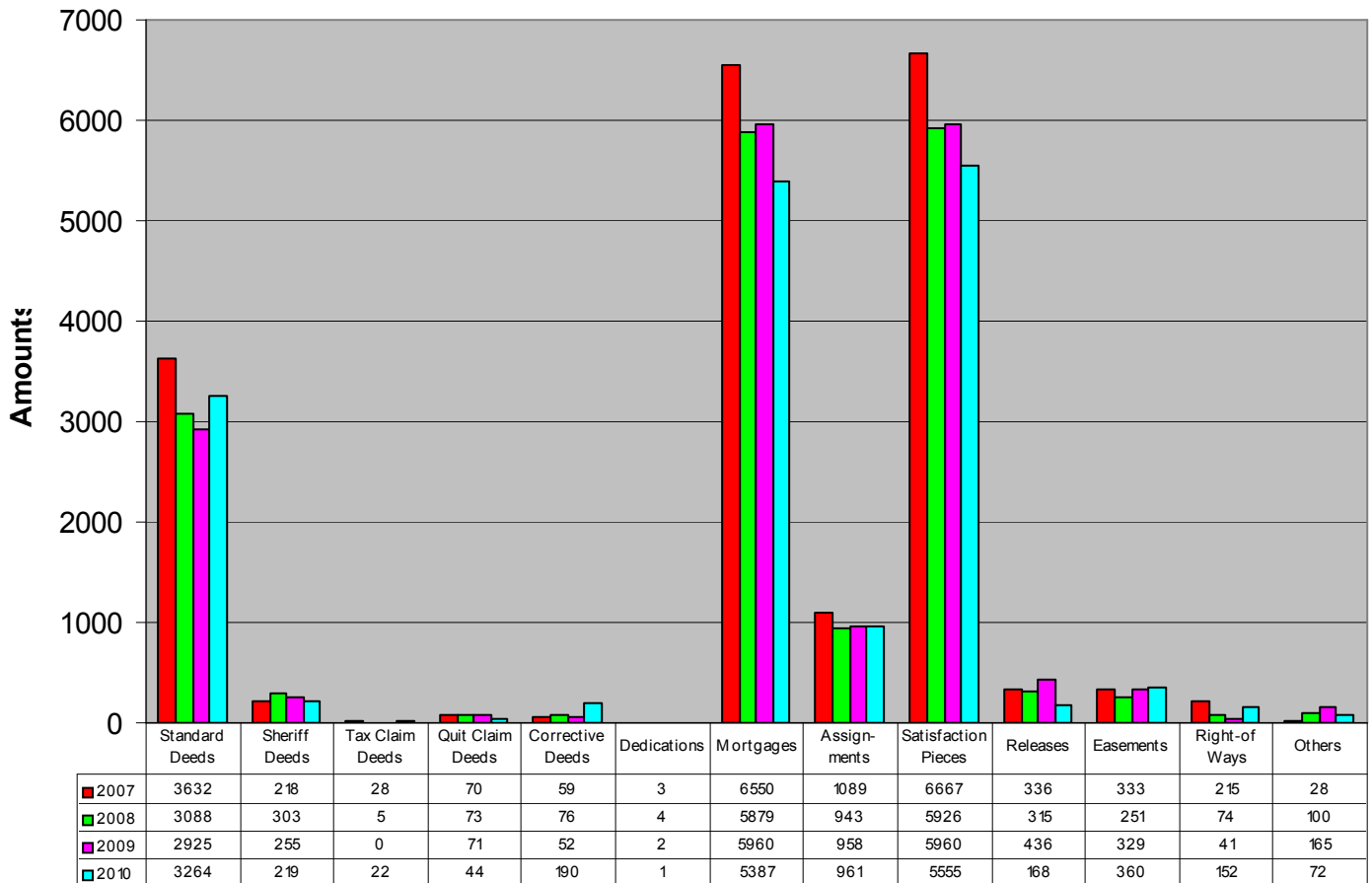
Twenty-one (21) cases were brought before the County Zoning Hearing Board during 2010. There were 7 Variance Requests, 13 Special Exceptions, and 1 Special Exception/ Variance case heard by the Board. 20 cases were approved, 1 case was continued until May 2011. Nine cases were related to the natural gas industry.

Local Zoning Ordinance Administration

In 2010, the County administered the municipal zoning ordinances of South Williamsport Borough, Plunketts Creek Township, Porter Township and Muncy Borough. Dedicated-staff members provide direct support to those communities and are available—on site at the respective offices—a day or two each week.

Geographic Information Systems

2007-2010 Uniform Parcel Identifier Comparison



Description & Actual Amounts

Uniform Parcel Identifier Program

2010 Activity

Deeds	3,740
Mortgages	12,071
Easements & Right-of-Ways	512
Other	72

Assigned or Verified

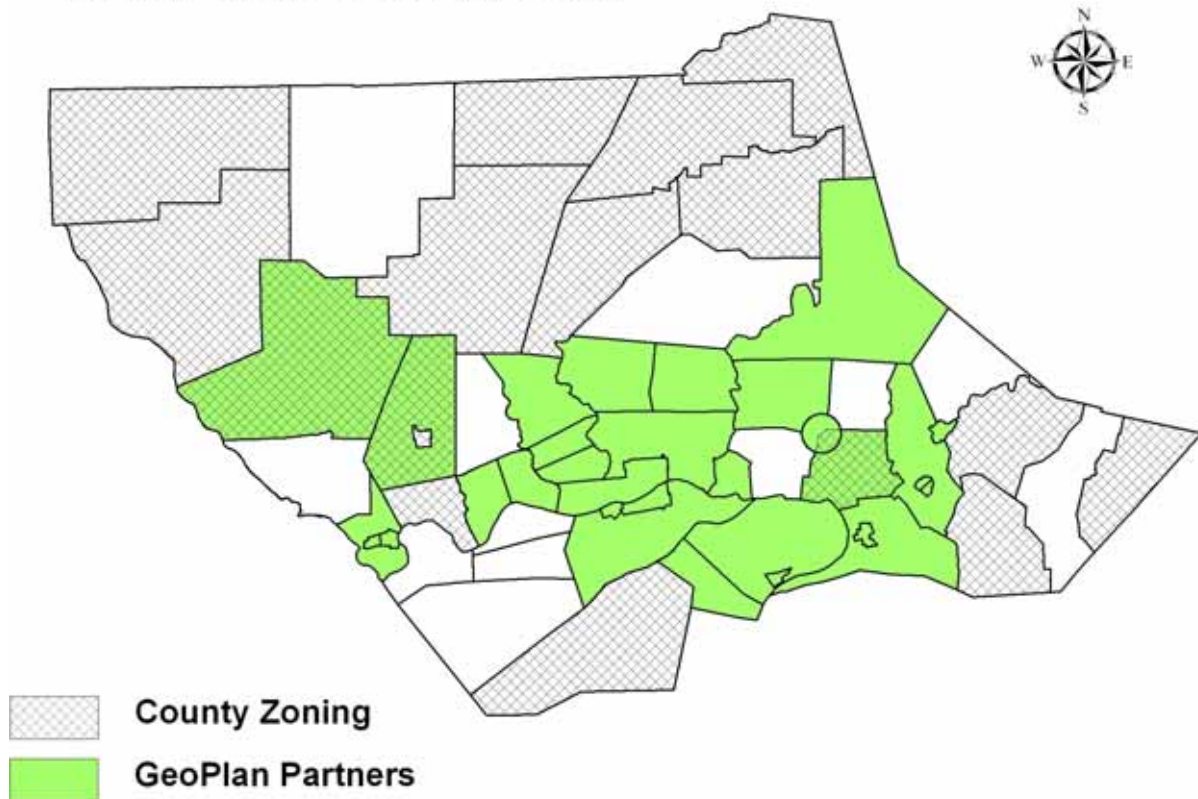
	2009	2010
Standard Deeds	2925	3264
Sheriff Deeds	255	219
Tax Claim Deeds	0	22
Quit Claim Deeds	71	44
Corrective Deeds	52	190
Dedications	2	1
Mortgages	5960	5387
Assign-ments	958	961
Satisfaction Pieces	5960	5555
Releases	436	168
Easements	329	360
Right-of Ways	41	152
Others	165	72
Total for the year:	17154	16395

Geographic Information Systems

Important Advances

GeoPlan continues to assist our municipalities in its municipal management activities at a very reasonable cost. Between our County Zoning Partners and our GeoPlan partners, we provide GIS access to approximately 90% of our municipalities.

GeoPlan Partners



With the receipt of the PaMap LiDAR product from 2009, the County was able to re-activate its Cooperating Technical Partner Status and begin a FEMA Mapping Project known as Risk Map. Risk Map takes FEMA mapping products and takes advantage of the advances in GIS and Web technology. The total grant will be over \$1,000,000 and 5 years. To manage the Risk Map project in a digital format the County launched LycoMap, a flood mapping web application which will allow digital review of mapping changes as they occur. In December 2010, Lycoming County Commissioners unveiled “Lyco Map”, an internet portal of the county maps, with an emphasis on the current FEMA flood maps. Through this portal, residents can search for their house by name, parcel number or address and determine if the property is in the mapped floodplain. Lyco Map uses the most current internet technology to give residents a view of their property, allowing them to see the floodplain maps and enables the resident to see changes to the property by sliding between years using aerial photography collected over the last 15 years.

Infrastructure Support

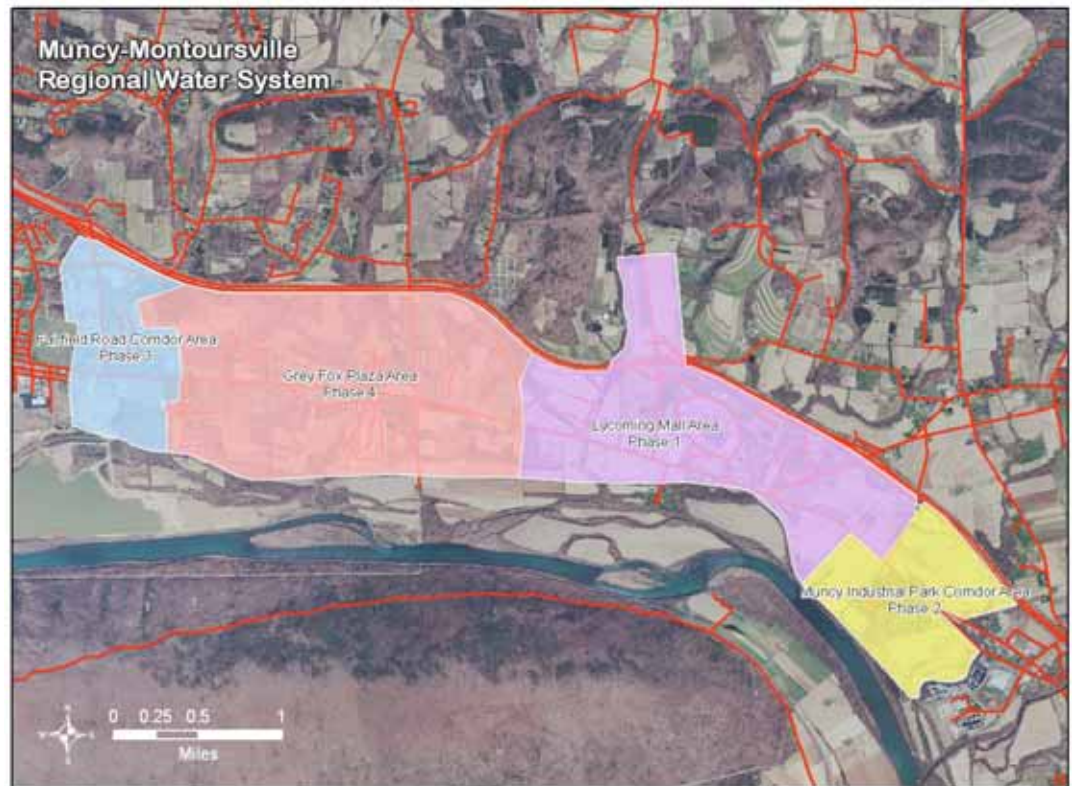
Water

Working through the Lycoming County Water & Sewer Authority (or LCWSA), the County made substantial progress with the Muncy — Montoursville Regional Water Project. During 2010, work proceeded in all four phases of the project:

- ✳ **Lycoming Mall & Halls Station Area Water System**
- ✳ **Muncy Industrial Park Area Water System**
- ✳ **Fairfield Road Corridor Area Water System**
- ✳ **Grey Fox Plaza Area Water System**

With the design completed by LCWSA's water engineer—HRG, the Authority successfully entered into a County Subrecipient Agreement for the \$477,000 EPA STAG funds acquired by the County. In July, LCWSA awarded two contracts for construction of the Muncy Borough Interconnection portion of Muncy Industrial Park Area Water System. These federal funds compliment a state grant received by LCWSA from an Act 63 award of \$960,000.

Doli Construction was awarded a contract for the booster pump station, lines and pipes—TRA Electric was awarded the electrical portion of the project. By end of calendar year 2010, Doli had installed approximately 7,600 linear feet of waterline and all of the requested water service connections, including Log Cabin, Ashler Manor and Weatherford Corporation. A service connection has also been made available for Kellogs. Doli has also installed the foundation for the booster station. TRA Electric has installed the underground electric service conduits for the booster station.



Muncy Industrial Park Area Water system focused on the Muncy Interconnector (shown in red) during 2010



During the last four months of 2010, the LCWSA made great progress in extending the Muncy Borough's Municipal water system from a site near Kellogg's and traveling west along Industrial Park Drive thus providing water service to properties in MIP 2, MIP 3, and MIP 4 as well as an extension of the line further west toward Halls Station.



Sanitary Sewer

County Supports 9 Projects for PA Commonwealth Finance Authority funding—Total Ask: \$69,032,133

Overwhelming Cost: More than \$225M to meet sanitary sewer INFRASTRUCTURE needs around Lycoming County for: 1) Chesapeake Bay Tributary Strategy compliance, 2) Wet Weather mandates, & 3) other upgrades & technology improvements.

Need for financial assistance: Each municipality or authority has applied for but received no federal assistance—overwhelming costs severely straining local municipal budgets—have 9 grant requests with total cost for all projects exceeding \$137,564,000.

Over matched: H2O grants require 33% local match—County offers 50% in the aggregate.

Public Safety: 3 wastewater treatment plants will be removed from the 100 year RFP—basement backups from some collection systems will be drastically reduced & hopefully eliminated.

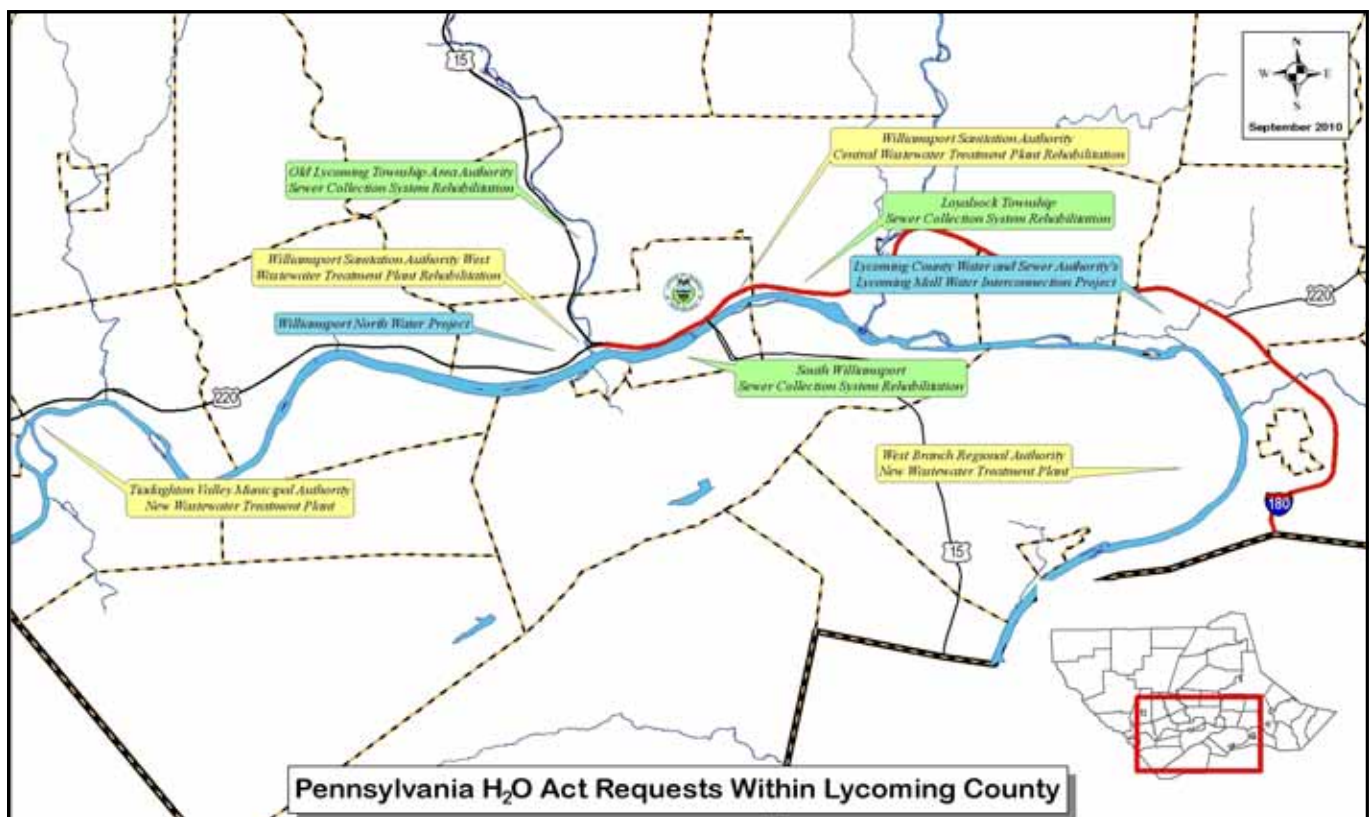
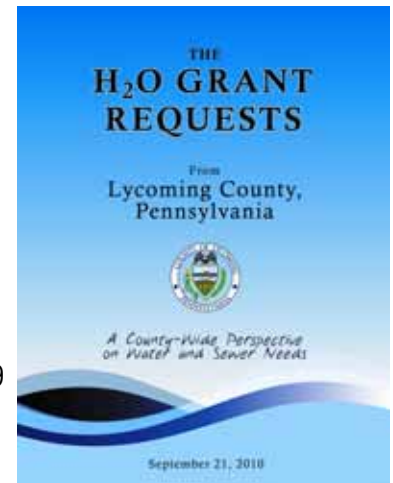
Regionalism: Each project partners with multiple private and public entities—each project creates cost-effective efficiencies---- Sustainability steps incorporated in each project for life cycle cost management.

Impact: Over 85% of Lycoming County's 120K residents are affected by these 9 projects. Fair Share Affordability: Residents will pay their fair-share—local rates are set well above PennVEST thresholds...many communities have high percent of elderly/fixed income individuals.

Environmental Responsiveness: All 9 projects improve local waterways, the Susquehanna Basin regionally and the Chesapeake Bay nationally—help PA DEP meet the CBTS agreement with EPA—each community is involved with the County's CBTS Nutrient Trading program (a 3 plus year initiative).

Economic Development:

Because of our proximity to gas sites, the convergence of short line rail networks, high quality interstate highways and regional air service, Lycoming County is becoming the epicenter for the Marcellus Shale Industry—their regional headquarters.



Pennsylvania H2O Act Requests Within Lycoming County							
	Project	Applicant	Municipalities Served	Type	Objective	Project Cost	CFA Request
Chesapeake Bay Nutrient Reduction	West Branch Regional Authority (WBRA)—new WWTP	Montgomery Water & Sewer Authority	Montgomery Borough, Muncy Borough, Clinton Township, Muncy Creek Township	Sewer	Chesapeake Bay Nutrient Reduction	\$22,877,000	\$15,251,000
	Tiadaghton Valley Municipal Authority (TVMA)—new WWTP	TVMA	Jersey Shore Borough, Porter Township, Nippenose Township	Sewer	Chesapeake Bay Nutrient Reduction	\$15,830,000	\$10,000,000
	Williamsport Sanitary Authority (WSA) Central Plant Upgrade and Revitalization	WSA	Williamsport, Loyalsock Township, South Williamsport Borough, Armstrong Township	Sewer	Chesapeake Bay Nutrient Reduction	\$41,900,000	\$20,000,000
	Williamsport Sanitary Authority (WSA) West Plant Upgrade and Revitalization	WSA	Williamsport, Loyalsock Township, Duboistown Borough, Old Lycoming Township, Lycoming Township & Woodward Township	Sewer	Chesapeake Bay Nutrient Reduction	\$5,200,000	\$3,467,000
Wet Weather Management	Loyalsock Collection System Rehabilitation	Loyalsock Township	Loyalsock Township	Sewer	Wet Weather Management	\$19,000,000	\$3,141,000
	South Williamsport Collection System Rehabilitation	South Williamsport	South Williamsport Borough	Sewer	Wet Weather Management	\$12,160,000	\$4,096,000
	Old Lycoming Collection System Rehabilitation	Old Lycoming Area Authority	Old Lycoming Township	Sewer	Wet Weather Management	\$7,460,000	\$4,923,600
Water	Mall Interconnection Project	Lycoming County Water and Sewer Authority	Muncy Township	Water	Economic Development & Public Safety	\$693,539	\$462,000
	Williamsport North Project	Williamsport Municipal Water Authority	Williamsport, Loyalsock Township, Old Lycoming Township	Water	Economic Development & Public Safety	\$12,443,494	\$7,691,533
Totals						\$137,564,033	\$69,032,133

Brownfields Assessment

During 2010, the County built upon the recently completed EPA-funded grant awarded to Lycoming County targeted at economically developing properties in selected communities. The Brownfields Assessment Program (BAP) was able to leverage this baseline work and extend the BAP program due to a new partnership forged PA DEP. The original target area included: Williamsport, Jersey Shore, Porter Township, Montgomery, Hughesville and Wolf Township. Since then, 15 different municipalities were contacted and included in the assessment. One of the measureable outcomes of the BAP initiative was the identification of 81 sites which were subsequently evaluated and included in the County's Brownfields Inventory.

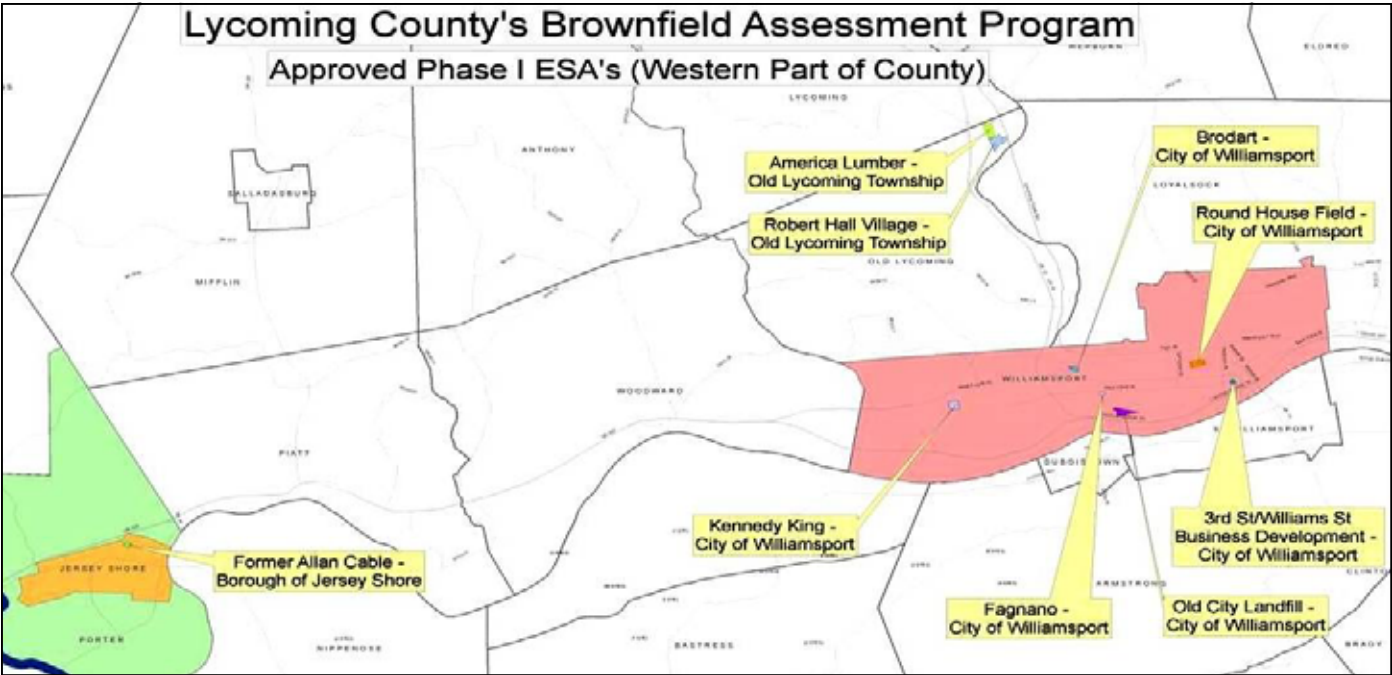


The Site in the photo to the left is currently owned by the **Brodart Company**, who has operated at the Site since the 1960's. The Site is approximately 3.5 acres occupying two lots separated by Oliver Street. The objective of this Phase II ESA was to generate sufficient subsurface environmental data to:

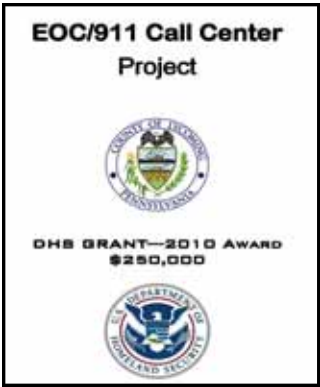
- * Support an Act 2 Notice of Intent to Remediate (NIR), entering the Act 2 process
- * Develop a scope of work for more targeted, follow-on characterization
- * Develop a conceptual remedial action plan and associated budgetary cost

Phase II ESA has been completed voluntarily by Brodart with support from the County, to further Brownfield revitalization.

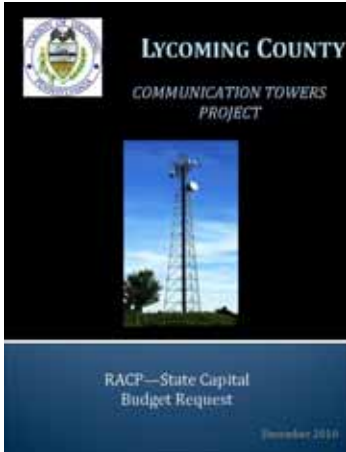
From the US EPA program, there were two follow-on planning efforts initiated: Two separate corridor planning studies with funding from PA DCED and PA DEP. A US EPA “coalition” grant for \$600,000 was prepared and submitted during 2010 with the coalition partners being the Borough of Montoursville, City of Williamsport and Lycoming County. The EPA “coalition” grant request would address hazardous substances as well as petroleum sites.



EOC Rehabilitation/Expansion To date, Lycoming County has secured \$500,000 in Federal grants from the US DOJ for the purchase of equipment for the EOC. From Dept of Homeland Security we have also received another \$250,000 for construction costs of an expanded Emergency Operations Center/911 Center.



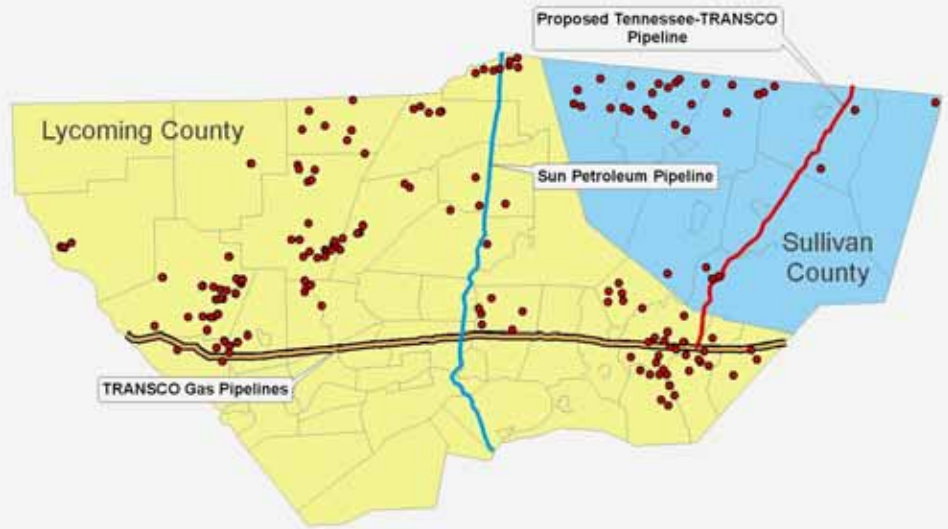
Communication Towers Project Lycoming County is the recipient of a \$400,000 award from the Governor’s Budget Office with the funding successfully secured by State Senator Yaw. These funds will help fund the construction of two replacement towers and the rehabilitation of a third. These aging towers are crucial links in the County’s emergency response backbone. This system of towers will ensure the integrity of emergency communication for all of Lycoming and Sullivan Counties, provide capability for “continuity of government operations,” and support the County’s advance Flood Warning System.



Marcellus Shale Gas Development

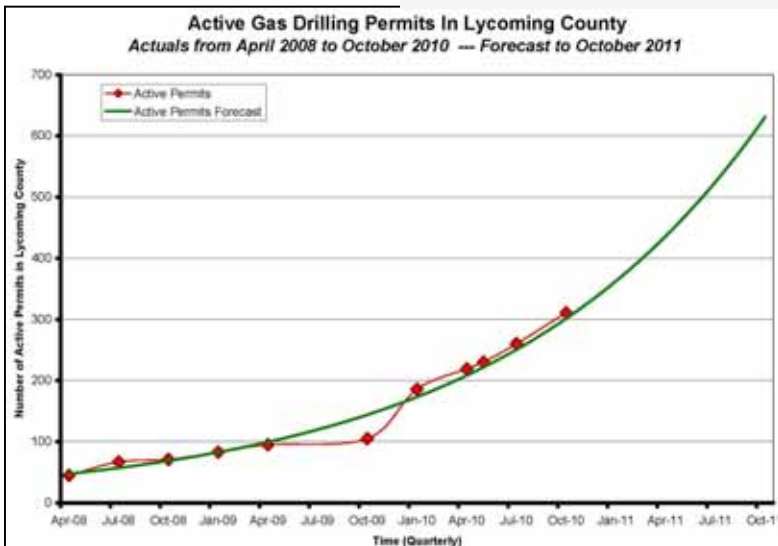


Lycoming County formed the first gas task force in Pennsylvania to serve as a forum for the exchange of information among state, county, municipal leaders and others on the development of Marcellus shale natural gas. Among other agenda items is the desire to support the generation of local revenue from the gas industry to



Active Marcellus Shale Gas Drilling Permits and Major Pipelines Served by Lycoming County Communication Towers and Emergency Operations Center/9-1-1 Center

01DEC2010



help address a number of emerging issues related to gas development.

As depicted in the chart to the left, the County's permit activity for gas development is increasing very rapidly. One company alone permitted 38 pads in 2010 and that same entity expects to permit another 85 pads in 2011.



Drilling in Penn Township



Water Trucks





The Planning Department has been actively seeking ways to balance the economic development gained from gas extraction with the need to protect the County's quality of life factors.

Regarding the protection of our environment, state law currently assigns this responsibility to the State Department of Environmental Protection. Based upon recent court decisions, local control may be exerted through municipal zoning. During 2010 the County Planning staff prepared and refined an amendment to the Lycoming County Zoning Ordinance to address oil and gas development activities. The ordinance amendment will regulate elements of drilling that are not covered or pre-empted by the state Oil and Gas Law. Following three years of preparation and coordination, the draft amendment is nearing the finish line. The document was twice reviewed by the LCPC and approved by County Commissioners for scheduling of a public hearing in 2011.



The Planning staff is working on a number of emerging issues: high volume of truck traffic on state, local, and rural roads; displacement of local residents from several rental units; need to ensure that adequate "infrastructure" is present or being installed in the designated growth areas in response to need for land near major transportation hubs.

Rail Deliveries to Sooner Pipe in Montoursville



Pathway to Health

The Pathway to Health project is the fulfillment of a “community commitment” and connects the medical campus’s new entrance on High Street with Interstate 180.

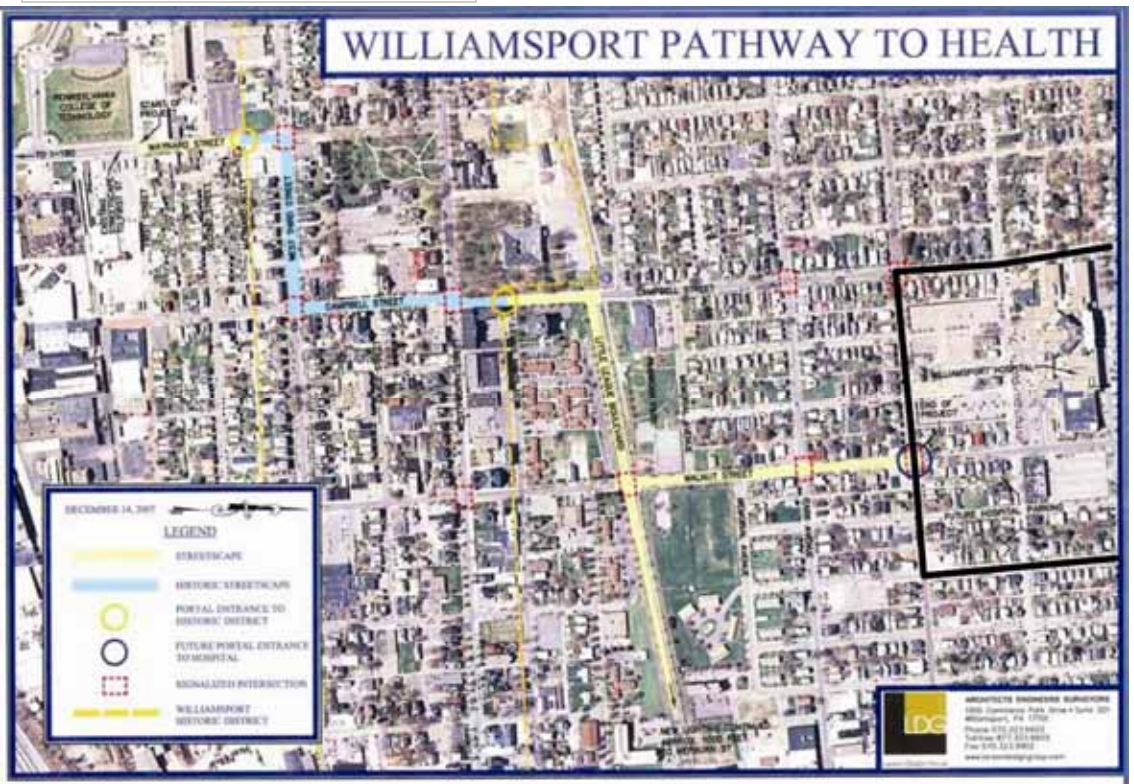
The 4-phase, \$5 million Pathway to Health project compliments both the hospital revitalization as well and the community improvements, including housing, recreation, and associated medical facilities/offices.

The **Pathway** will:

- * enable emergency vehicles, patients, and visitors to rapidly and safely move along the corridor of roads connecting Interstate 180 to the Williamsport Hospital and Medical Center.
- * directly link Susquehanna Health’s new regional medical campus with Lycoming County’s new, 3.5-mile Susquehanna Riverwalk – Timber Trail Recreation/Heritage Project, recently opened to the public.

Pathway includes:

- * Street widening
- * Signalization improvement
- * Pedestrian crosswalks
- * Curbs and sidewalks
- * Street lighting
- * Destination signage



In 2009, Congressman Carney secured for the County \$750,000 in federal transportation funding for construction of Phase I of the project. In 2010, the County was awarded a PennDOT PCTI grant for \$982,000 to fund construction of Phase II. Also in 2010, the County made a request through a Federal Transportation Equity Act (TEA) Reauthorization for the balance of the funds needed to complete Phase III and IV of the project.