

CHANGING THE RURAL PLANNING PARADIGM

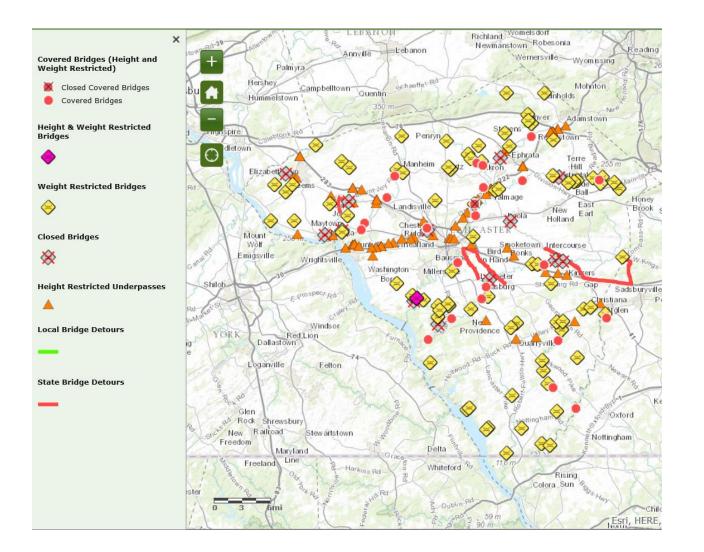
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RURAL PLANNING ANALYTICS: Local Planning Data Sources



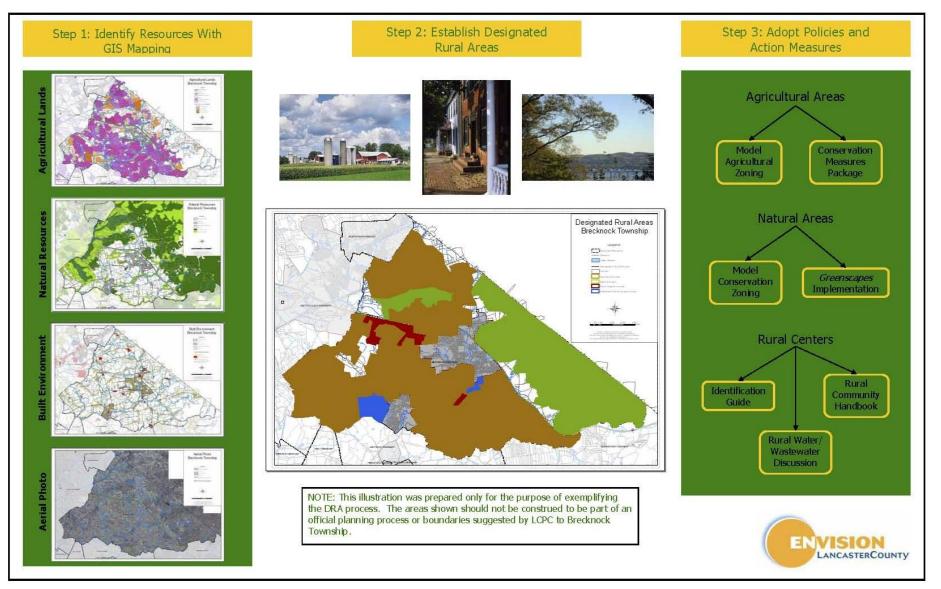
DEVELOP LOCAL DATA SOURCES FOR UNDERSTANDING RURAL AREAS

- Establish and maintain consistent baseline data
- Analyze periodically the trends presented by the data
- Evaluate current land use allocations by ag, rural non-ag, urban, natural resource
- Inventory your secondary farm-based businesses
- Track lands devoted to crop vs. animal production
- Identify your ag-rural industrial support infrastructure
- Track your rural (and urban) roadway and bridge deficiencies

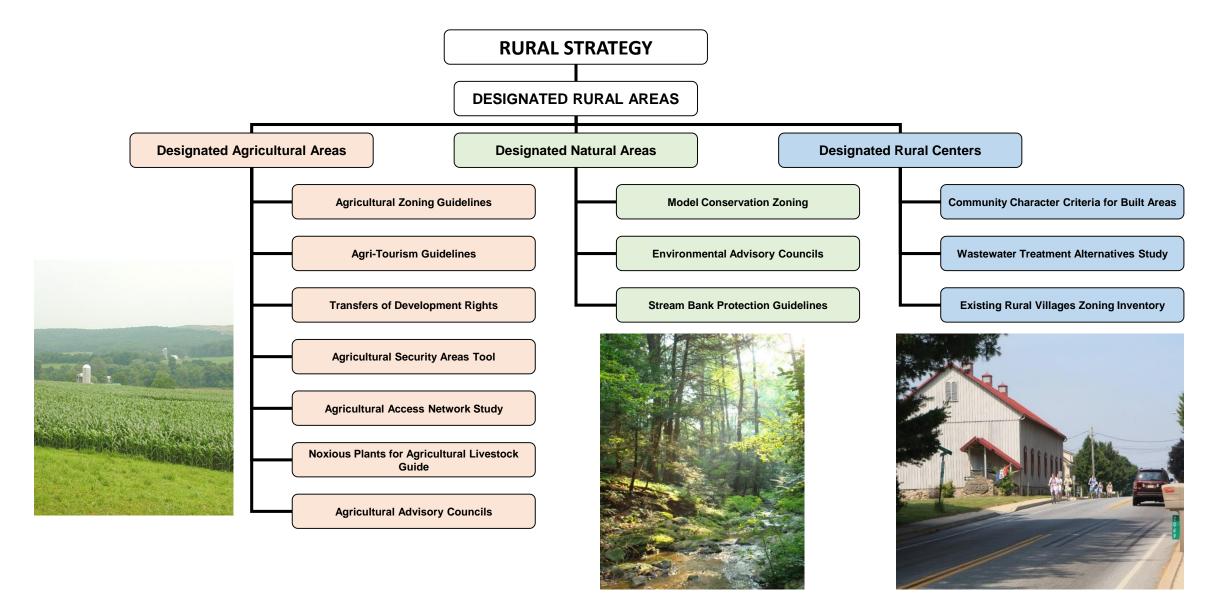
RURAL PLANNING ANALYTICS: Local Planning Data Sources

	LAND USE	INFRASTRUCTURE	ECONOMICS
EXISTING CONDITIONS	 Building permit trends General land use allocations Secondary rural-based businesses land consumption Crop land-animal production Residential trends Parcelization of farm/resource properties Pattern/extent of preserved lands Pattern/extent of ASAs Conversions from rural to nonrural Number of farms directly selling to the public Water quality indicators 	 Identify farm-to-market/producers routes Track roadway-bridge deficiencies Establish criteria for smart rural growth Identify large water consumers Inventory private septic/sewer systems thru Act 537 planning Query rural emergency responders as to needs and system deficiencies 	 Employer database Ag- and rural-support businesses inventory WiFi-Internet capabilities Ag support infrastructure needs Clean and Green status Origin-destination analysis to determine home-workplace relationships
20-YEAR TRENDS	 Evaluate based on Comp Plan horizon Project current zoning build-out Compare to population projections Monitor local farmland and natural resource protection trends 	 Identify near-term infrastructure needs Plan and program future infrastructure that supports rural producers 	 Monitor national and state ag production trends Consider the impacts of regulatory changes (e.g., hemp and medical marijuana production)
20-50 YEAR TRENDS	 Extrapolate long-range community forms based on recent trends and projections 	 Match long-range infrastructure planning to emerging community forms 	

RURAL PLANNING ANALYTICS: The Lancaster County Rural Planning Strategy



RURAL PLANNING ANALYTICS: The Lancaster County Rural Planning Strategy



Sample Parcel Scoring

- Criteria are scored individually with plus-one (compatible), zero (neutral) or minus-one (in conflict)...
- ...and are weighted equally
- Examples shown would result in:
 - A core agricultural parcel
 - A compatible natural resource parcel
 - A residential parcel under 10 acres, considered to be in conflict with farmland
- Sample is illustrative; data can be compiled in an Excel spreadsheet

CAG Core Ag Area 4 to 7 ARA Ag-Resource Area 0 to 3 GRA General Rural Area -1 to -2 EXU Ex-Urban Area EXU -3 to -4 DGA Designated Growth Area N/A

Agricultural Land Use Compatibility - Conflict Checklist

			1		
Evaluation Criteria	Scoring	Parcel #	Parcel #	Parcel #	
		1672085900000	1687522000000	1674231500000	
Soils Type				_	
Classes I thru IV (>50%)	1	+1	+1		
Other classes (>50%)	0			0	
Parcel Size				_	
10 acres+	1	+1	+1		
2 to < 10 acres with current ag land use	0				
Less than 2 acres with current ag land use	-1				
Less than 10 acres (non-ag land use)	-1			-1	
Land Use					
Agricultural	1	+1			
Fallow agriculture (less than 5 yrs)	0				
Woodland, other natural resource	0		0		
Fallow agriculture (+5 yrs)	-1				
Non-agricultural	-1			-1	
Zoning					
Zoned effective agriculture	1	+1		+1	
Zoned effective conservation	0		0		
Otherwise zoned	-1				
Future Land Use					
Planned for agriculture	1	+1		+1	
Planned for conservation	0		0		
Otherwise planned	-1				
Ag Security Area					
Designated as an ASA	1	+1			
Not designated as an ASA	0		0	0	
Preserved					
Subject to ag conservation easement	1				
Subject to natural resource easement	0		0		
No preservation easement	0	0		0	
Net Total		+6	+2	-2	

RURAL PLANNING ANALYTICS: Fiscal Impact Analysis



RESIDENTIAL ZONING BUILD-OUT ANALYSIS GENERAL ASSUMPTIONS

- Build-out <u>outside</u> UGAs was projected based on:
 - Single-family dwellings built on a 1-1/2 acre lots
 - Parcels < 5 acres considered fully developed
 - 75% of undeveloped parcels could be developed
 - Only the number of new lots, not the associated acreage, were counted in the Agricultural District.
- Build-out inside UGAs was projected based on:
 - Single- and multi-family dwellings
 - Average density of 4 dwellings per acre
 - 75% of undeveloped parcels could be developed.

Calculate Increased Costs		SCENARIO #1	SCENARIO #2	SCENARIO #3	RURAL PLANNING
1	Number of New Residents	8,604	6,309	3,160	ANALYTICS:
	New Dwellings x Average Household Size (2.71)				
2	Number of New School-Age Residents	2,045	1,500	751	Fiscal Impact Analysis
	New Dwellings x Average Number of School-Age Residents Per Dwelling (.64)				
3	Per Pupil School District Spending	\$7,055	\$7,055	\$7,055	
	Current Instructional Spending / Current Number of Pupils in District (3680)				
4	Per Capita Municipal Government Spending	\$512	\$512	\$512	Providence
	Current Total Spending / Current Township Population (6932)				Township Fiscal
5	School Cost Increases	\$14,428,657	\$10,579,500	\$5,298,839	•
	Number of New Pupils in #2 x Current Per Pupil Cost in #3				Impact Analysis
6	Road Cost Increases	\$665,655	\$488,077	\$244,458	
	Number of New Residents in #1 x Cost Per Resident (\$77)				Cost and Revenues of
7a	Police Services Cost (State Police)	\$31,189	\$22,868	\$11,454	Residential Developmen
	Number of New Residents in #1 x Cost Per Resident (\$3.60)				Residential Developmen
7b	Police Services Cost (Regional)				Cost Calculations
	Total	\$1,553,600	\$1,324,100	\$1,009,200	
	Total Cost For Current Residents + Total Cost For New Residents				
	Cost For Current Residents	\$693,200	\$693,200	\$693,200	
	Number of Current Residents (6932) x Cost Per Resident (\$100)				
	Cost For New Residents	\$860,400	\$630,900	\$316,000	
	Number of New Residents x Cost Per Resident (\$100)				
8	Government Administration Cost Increases	\$3,131,169	\$2,295,862	\$1,149,903	
	Number of New Residents x Cost Per Resident (\$364)				
9	All Other Cost Increases	\$573,882	\$420,786	\$210,755	
	Number of New Residents x Cost Per Resident (\$67)				
10	Total Cost Increases				
	Total School District Cost Increases	\$14,428,657	\$10,579,500	\$5,298,839	
	From #5				
	Total Municipal Cost Increases (w/ State Police)	\$4,401,894	\$3,227,594	\$1,616,570	
	Sum of Total Costs in #6, 7a, 8 and 9				
	Total Municipal Cost Increases (w/ Regional Police)	\$5,924,306	\$4,528,825	\$2,614,316	
	Sum of Total Costs in #6, 7b, 8 and 9			φ2,014,010	

alculate Increased Revenues	SCENARIO #1	SCENARIO #2	SCENARIO #3
11 Per Pupil School District Revenue	\$914	\$914	\$914
Current Total Revenues / Current Number of Pupils in School District (3680)			
12 Per Capita Municipal Government Revenue	\$284	\$284	\$284
Current Total Revenues / Current Township Population (6932)			
13 Real Property Tax Base Increases	\$712,193,009	\$522,200,102	\$261,548,677
Number of New Dwellings x Average Expected Sale Price of Units (\$224,313)			
14 New Household Earned Income	\$150,666,450	\$110,472,912	\$55,331,364
Number of New Dwellings x Average Household Earned Income Per Unit (\$47,454)			
15a School District Real Property Tax Revenue Increase	\$7,993,868	\$5,861,331	\$2,935,701
Increase in Real Property Tax Base x School District Equalized Mileage Rate			
15b Municipal Real Property Tax Revenue Increase	\$112,526	\$82,508	\$41,325
Increase in Real Property Tax Base x Municipal Equalized Millage Rate			
16a School District Earned Income Tax Revenue Increase	\$2,485,996	\$1,822,803	\$912,968
Increase in Total Household Earned Income x School District Earned Income Tax Rate			
16b Municipal Earned Income Tax Revenue Increase	\$753,332	\$552,365	\$276,657
Increase in Total Household Earned Income x Municipal Earned Income Tax Rate			
17a All Other School District Tax Revenue Increases	\$700,798	\$513,845	\$257,364
Number of New Pupils x School District Tax Revenue Per Pupil (\$343)			
17b All Other Municipal Tax Revenue Increases	\$48,352	\$35,453	\$17,757
Number of New Residents x Municipal Tax Revenue Per Resident (\$6)			
18 State Aid for Roads Increase	\$217,216	\$159,269	\$79,771
Number of New Residents x Liquids Fuel Revenue Per Resident (\$25)			
19a All Other School District Revenue Increases	\$1,167,790	\$856,257	\$428,864
Number of New Pupils x School District Revenue Per Pupil (\$571)			
19b All Other Municipal Revenue Increases	\$2,391,023	\$1,753,166	\$878,089
Number of New Residents x Municipal Revenue Per Resident (\$278)			
20 Total Revenue Increases			
Total School District Revenue Increases	\$12,348,453	\$9,054,236	\$4,534,897
Sum of Total Costs in #15a, 16a, 17a, and 19a			
Total Municipal Revenue Increases	\$3,522,451	\$2,582,761	\$1,293,599
Sum of Total Costs in #15b, 16b, 17b, 18, and 19b			

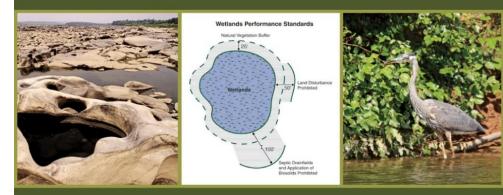
RURAL PLANNING ANALYTICS: Fiscal Impact Analysis

Providence **Township Fiscal** Impact Analysis

Cost and Revenues of Residential Development **Revenue Calculations**

Model Conservation Zoning District and Natural Resource Protection Standards

Lancaster County, Pennsylvania







Lancaster County Planning Commission June 2010

RURAL PLANNING TOOLS-STRATEGIES: Natural Resources Planning

LOCAL IMPLEMENTATION GUIDELINES

Introduction

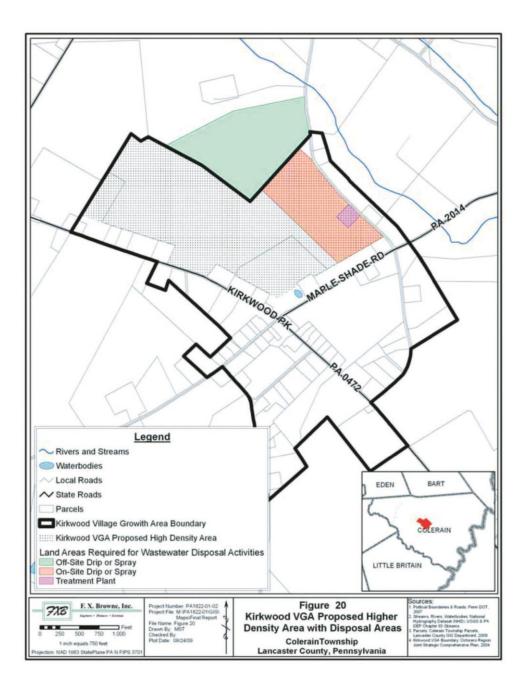
Table of Contents

Model Ordinance Provisions

- Forest Blocks and Interior Forests
- Karst Topography
- Natural Heritage Areas
- Riparian Corridors
- Steep Slopes and Highly Erodible Soils
- Unique Geologic Features
- Wetlands

Conservation Zoning District The Legal Framework

Also developed policies to use in advisory SALDO reviews for municipal consideration



RURAL PLANNING TOOLS-STRATEGIES: Rural Centers Planning

ACTION STEPS

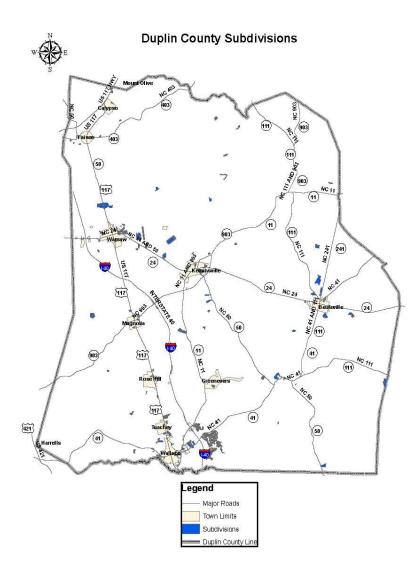
STEP #1: Do you want your Rural Centers to grow?

STEP #2: How should your rural centers grow? Infill growth? Redevelopment? Expansion? Residential only? Mixed use?

STEP #3: Do you have the infrastructure to allow for additional development in your Rural Centers?

STEP #4: What should new development look like in your Rural Centers?

RURAL PLANNING TOOLS-STRATEGIES: Duplin County NC Agricultural Protection Plan



SUPPORT DEVELOPMENT OF A REGIONAL RURAL TRANSPORTATION POLICY

Goal: Improve rural traffic conditions and limit the liability exposure of farmers moving equipment

Implementation Strategy:

- Work to identify critical transportation improvements such as road widening, shoulder improvements, intersection upgrades, and bridge improvements
- Explore changes in County and State policy relative to road improvements requirements for new development including ingress/egress lanes, improved placement of mailboxes, and enforcement of overhead height regulations for cable and wiring
- Identify regulatory improvements in weight limit flexibility, rural road design standards (to accommodate agricultural equipment), and left turn liability would offer regulatory and liability relief to agricultural operations

RURAL PLANNING TOOLS-STRATEGIES: Yates County NY Agriculture Development and Farmland Enhancement Plan



JUST HOW FARM FRIENDLY IS YOUR TOWN?

Comprehensive Planning Questions:

- Does your Comprehensive Plan specifically provide for agriculture or only rely upon vague statements about "preserving rural character?
- Does your Plan document not only traditional farming and crops but also greenhouses, farm stands and specialty enterprises?
- Does your economic development strategy address agricultural opportunities and is the industry represented on these committees?
- Does your Plan recognize ag's open space and natural resource protection benefit, encourage Ag Security Areas and promote techniques such as preservation easements?
- Does your Plan avoid calling for infrastructure extensions in or near farmland?



RURAL PLANNING TOOLS-STRATEGIES: Yates County NY Agriculture Development and Farmland Enhancement Plan

JUST HOW FARM FRIENDLY IS YOUR TOWN?

Zoning Questions:

- Does your zoning allow for small crop, nursery and greenhouse activities in non-ag zones?
- Does it provide for seasonal ag sales and activities, such as farm stands and Christmas tree sales, and provide for development standards tailored to ag, such as parking or temporary signage?
- Does it allow for ancillary ag-support uses, such as equipment dealers and feed mills, in proximity to agricultural uses?
- Does it define agriculture to include niche businesses, storage, repair, processing and sales activities?
- Does it provide for the large and unusual structures needed in agricultural operations (e.g., high grain elevators, large riding arenas, manure storage facilities)?
- Does it establish site plan review criteria for non-farm uses in agricultural districts that encourage houses to be located away from productive cropland, upwind of farm activities and in such manner as to not interfere with agricultural operations?