

Indicators of Success,
2009

**Achieving the Policies of the
Tompkins County Comprehensive Plan**

Foreword

The Tompkins County Comprehensive Plan provides that “(t)he Planning Commissioner will report annually to the County Legislature on progress in implementing the Plan” and that “(t)he Commissioner’s report will include measures of success by which to monitor the Plan’s progress and any barriers to implementation that have been encountered. The appropriate measurement tools will be developed during the implementation process.” This annual **Indicators of Success** Report describes those measurement tools that have been developed and provides a look at how to measure progress in implementing the Principles and Policies adopted by the County Legislature. It complements the Progress Report on Plan Implementation, included in the Planning Department’s Annual Report, that describes and tracks progress in implementing the Priority Actions identified in the Comprehensive Plan. The indicators are objective measures of change in the community and are designed to assess whether that change reflects progress in achieving the community vision embodied in the Comprehensive Plan.

The format of the **Indicators of Success** Report is intentionally simple. Each indicator section presents a short description, a graph depicting annual data, as well as the desired trend in the indicator. Over time, each indicator will include sufficient annual data to show trends.

Annual tracking of data within Tompkins County poses many methodological challenges. There have been some modifications in the way indicators are derived and, where significant, this is noted in the text. Also, the American Community Survey (ACS) of the U.S. Census Bureau is a source of some key elements. Data for Tompkins County was first available for the year 2005. This sampling data can have a fairly large margin of error requiring that the significance of the data point for any single year not be overstated. For example, the decrease in number of households from 2006 to 2007 (p. 3) likely indicates a more accurate estimate for 2007 rather than an actual decrease from 2006 to 2007.

The **Indicators of Success** Report is intended to help the community understand where it is headed and if we are making progress in achieving the Plan’s objectives to improve the quality of life for all community residents. It will help us evaluate which strategies are working and when we will need to consider new alternatives.

Edward C. Marx, AICP
Commissioner of Planning and Community Sustainability
February 2011

Table of Contents

Introduction	1
Purpose	1
What is an Indicator?.....	1
Criteria for Indicators.....	1
About the Data.....	2
Tompkins County Background	3
1. Population.....	3
2. Population Growth Rate.....	3
3. Households.....	4
4. Jobs.....	4
5. Unemployment.....	4
6. Housing Units.....	5
7. New Parcels	5
8. New Housing Units	5
Housing Choices	6
H1. Housing Affordability.....	6
H2. Owner-Occupied Homes.....	6
H3. Vacancy Rate	6
Transportation Choices.....	7
T4. Condition of State Highways	7
T5. Condition of County Roads.....	7
T6. Bus Ridership.....	8
T7. Multiuse Trails.....	8
T8. Bike Routes	8
T9. Alternative Transportation to Work.....	9
Jobs and Business	10
J10. New Businesses.....	10
J11. Household Income	10
J12. Livable Wage	10
J13. Commercial Flights	11
J14. Airport Passengers.....	11
J15. Overnight Stays in Hotel.....	12

Rural Resources	13
R16. Farms	13
R17. Value of Agricultural Products	13
R18. Agricultural Assessment.....	14
R19. Protected Land in Agricultural Areas.....	14
R20. Sustainable Forestland	15
R21. Rural Self-Employment	15
Water Resources	16
W22. Protected Stream Buffers	16
W23. Aquatic Health in Six Mile Creek.....	16
W24. Turbidity.....	17
W25. Lakefront Access	18
W26. Lakefront and Inlet Development	18
Natural Features	19
N27. Protected Land in Natural Areas	19
N28. Parks	19
N29. Trails	20
N30. Creation of New Parcels in Natural Areas.....	20
Strong Communities	21
S31. Sidewalks.....	21
S32. Housing Near Community Facilities.....	21
S33. Housing Near Transit	22
Centers of Development	23
C34. Construction in Centers of Development.....	23
C35. Land Development and Household Population Growth	23
Efficient Use of Public Funds	24
E36. Public Infrastructure	24
E37. Non-Renewable Energy	25

Introduction

The Tompkins County Comprehensive Plan, adopted in 2004, is organized around ten interlocking principles that set forth a vision for the County that supports regional cooperation, improved housing supply and affordability, better transportation choices, an enhanced local economy, strategic protection of the County's water and natural resources, and stronger neighborhoods and communities. This report uses 37 indicators to track the community's progress in achieving the principles of the Comprehensive Plan.

Ten Principles of the Comprehensive Plan:

- Regional Cooperation
- Housing Choices
- Transportation Choices
- Jobs and Business
- Rural Resources
- Water Resources
- Natural Resources
- Strong Communities
- Centers of Development
- Efficient Use of Public Funds

The report is divided into ten sections, one with general background data about the County and nine sections corresponding to the principles of the Comprehensive Plan. Each section reports on several indicators selected to measure progress in that area. This report is the latest in a series (that began in 2006) of annual reports on these indicators.

Purpose

The purpose of this report is to provide fact-based information about trends over time and to gauge how well the community is doing in achieving the principles and policies defined in the Comprehensive Plan. This report aims to raise awareness about how the community is progressing and what can be improved upon. It is a reflection of our community and, as such, one illustration of how our community evolves and changes over time.

What is an Indicator?

Indicators are quantitative measurements that can help a community track its progress in achieving goals. Taken together, they provide a snapshot of the community, and can offer us a glimpse of the "big picture." Just as car mileage indicates a car's condition to a potential buyer or a patient's blood pressure indicates his or her overall health to a doctor, indicators provide feedback on the overall health of the community. With enough data, these indicators can provide crucial information about positive and negative trends in the community. Indicators are one way of finding out whether the community is going in the right direction or whether it is going down a path that may have unintended or unexpected consequences. Annually checking in on the health of the community and the direction it is taking in key areas provides citizens, policy-makers, and experts with the information they need to address situations before they become crises.

Indicators provide a snapshot of the community that can offer us a glimpse of the "big picture."

Criteria for Indicators

After a review of hundreds of potential indicators that could be used to measure progress toward the goals outlined in the Comprehensive Plan, 37 key indicators were selected to address the primary economic, environmental, and land use issues facing the County. The indicators were chosen using these criteria:

- *Relevance.* They tell something meaningful about what is being measured and relate to the guiding principles adopted in the Comprehensive Plan.
- *Diversity.* They cover the breadth of economic, environmental, social, and community objectives adopted in the Comprehensive Plan.
- *Data availability.* Data collected for the indicators are publicly accessible and readily available.
- *Reliability.* There is a strong likelihood that the data will be available in years to come so that indicators can be compared over time, and trends can be discerned.
- *Ease of understanding.* They are easy to understand by a broad audience.

About the Data

Time Frame

This report presents a review of data currently available for each of the indicators. In the graphs for the indicators, data are labeled by the year in which they were published or collected. Data points for 2005 and later are shown in blue since 2005 would be the first year in which the indicators might be affected by the implementation of the Comprehensive Plan, adopted in 2004. Data points for earlier years are shown in gray. Where appropriate, data points for 2000 are included for the purpose of comparison.

Geographic Scale

Wherever possible, the indicators cover the geographic scale of the entire County, but a few indicators are limited to a smaller scale. For instance, water quality is tested in select sites in the County and for a variety of purposes. In this case, an indicator may represent a trend in a specific watershed rather than for the County as a whole.

Methodology and Sources

This report is supported by a separately published **Technical Appendix**, which details the sources of the data and analytical methodology where appropriate. Data limitations and other considerations that may affect interpretation of these data are also identified in the **Technical Appendix**.

Census Data Changes

A number of the indicators are based on data from the U.S. Census Bureau. The American Community Survey (ACS) is a new nationwide annual survey replacing major portions of the demographic data previously generated through the decennial census, which was last conducted in 2000. The main differences between the two surveys are that 1) the ACS collects and produces population and housing information every year instead of every ten years and 2) the ACS is based on a smaller sample of households. Using these data for indicators is helpful since it provides more up-to-date information throughout the decade about trends at the local community level.

Comparability of the Decennial Census and the American Community Survey

Because of the different collection methods and sample sizes of the decennial Census and the ACS, some data provided by these two surveys are not comparable. As a result, some data from the 2000 Census was available for some indicators but not included in this report since 2000 Census data and data from the ACS would not be comparable. In future annual updates of this report, these indicators will include data from the ACS only.

Methodological Improvements

Certain methodological updates have been made this year to improve the accuracy of individual indicators. The following indicators have been updated to reflect new methods:

- Total Population (Background ,1 and 2.)
- Housing Units (Background, 3 and 6.)
- Sidewalks (Strong Communities, S31)
- Housing Near Community Facilities (Strong Communities, S32)
- Housing Near Transit (Strong Communities, S33)
- Farm Operations (Rural Resources, R16)
- Land Development and Population Growth (Centers of Development, C35)
- Public Infrastructure (Efficient Use of Public Funds, E36)

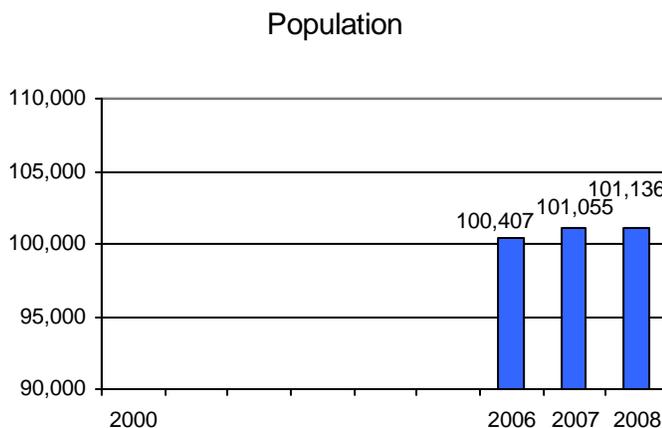
Tompkins County Background

Background data is provided in this section so that the reader may judge how trends in the individual indicators are influenced by changes in the community as a whole, such as population change and job growth. There is no attempt to determine whether the measure is illustrating a positive or negative trend.

1. **Population** Total population.

This measure tracks the total number of people residing in Tompkins County.

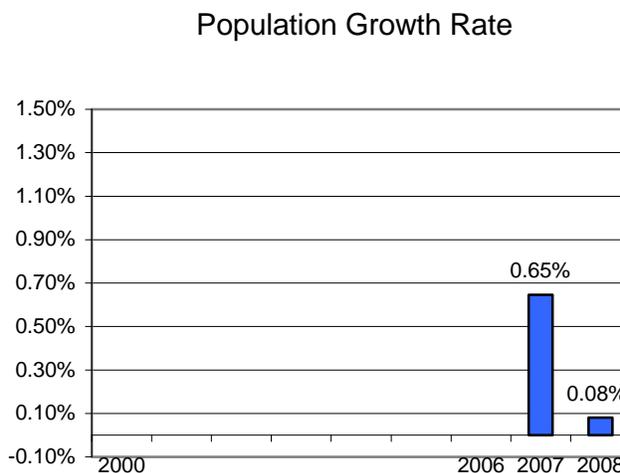
NOTE: This indicator replaced total household population, which had been reported in previous reports.



2. **Population Growth Rate** Total Population growth rate.

The annual population growth rate measures the rate at which the population in Tompkins County is changing.

NOTE: This indicator replaced household population growth rate, which had been reported in previous reports.

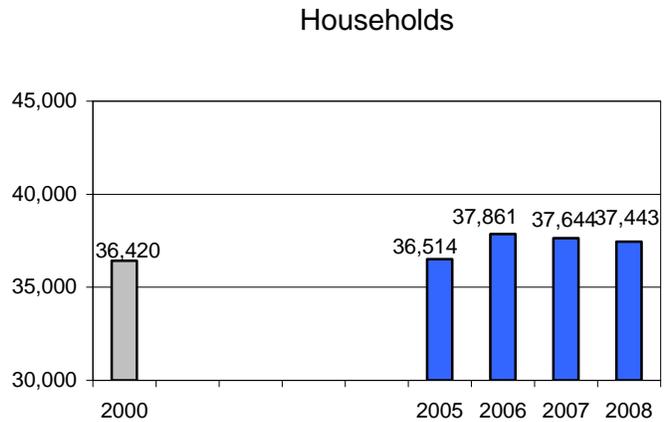


3. **Households**

Number of households.

This measure tracks the total number of households in Tompkins County each year.

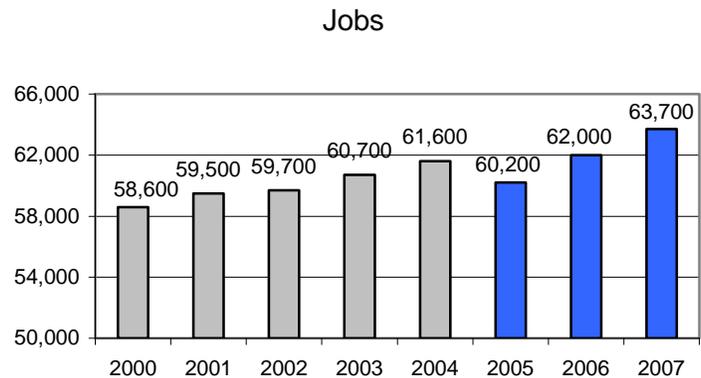
NOTE: The source of data for this indicator was changed. In previous years, the number of households was calculated based on data from the Assessment Department. The data shown on this chart is based on American Community Survey data.



4. **Jobs**

Number of non-farm jobs.

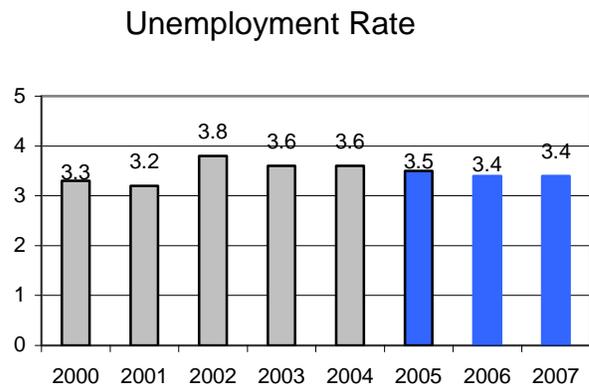
This measure provides data on the total number of non-farm jobs in Tompkins County.



5. **Unemployment Rate**

Average unemployment rate.

The unemployment rate is the percentage of the County's Labor force that does not have jobs. Tompkins County's unemployment rate has been consistently lower than that of upstate New York for the past eight years.



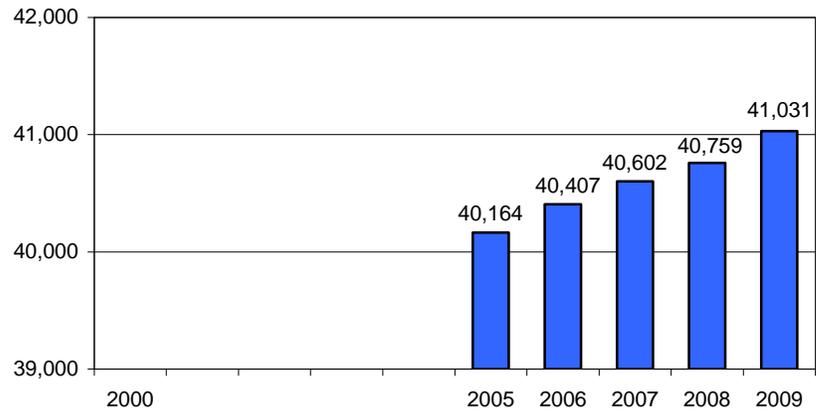
6. **Housing Units**

Number of total housing units.

This measure tracks the total number of housing units in the County every year. Housing units consist of single-family homes, apartments, mobile homes and single rooms that are occupied as separate living quarters. The number of housing units does not include dorms, seasonal housing, or uninhabitable dwelling units.

NOTE: The source of data for this indicator was changed. In previous years, the number of households was calculated based on data from the Assessment Department. The data shown on this chart is based on American Community Survey data.

Housing Units

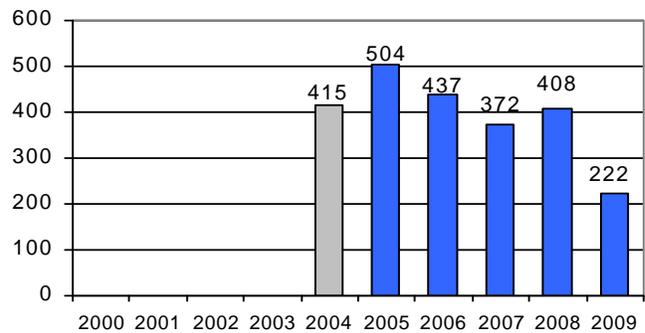


7. **New Parcels**

Number of newly created parcels.

This measure tracks the number of parcels created by property subdivisions in the County.

New Parcels



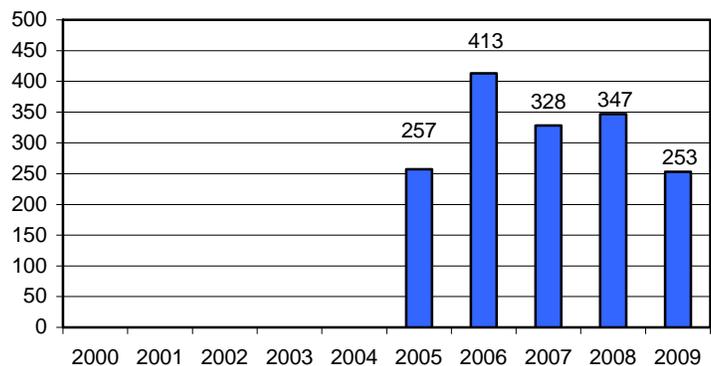
8. **New Housing Units**

Number of newly built housing units.

This measure tracks the number of newly built housing units in the County.

NOTE: These data reflect a new methodology for tracking newly built housing

New Housing Units



Housing Choices

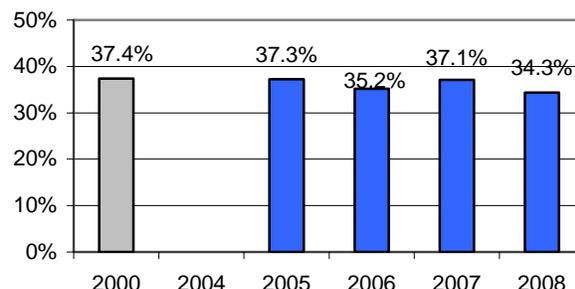
Principle: Housing in Tompkins County should be affordable and appealing to all residents, regardless of their income or whether they rent or own their homes.

H1. Housing Affordability

Percent of households spending greater than 30 percent of income on housing.

Housing affordability measures the cost of monthly housing expenditures relative to household income. A household is generally defined as cost-burdened if the cost of housing exceeds thirty percent of the household's income.

Housing Affordability



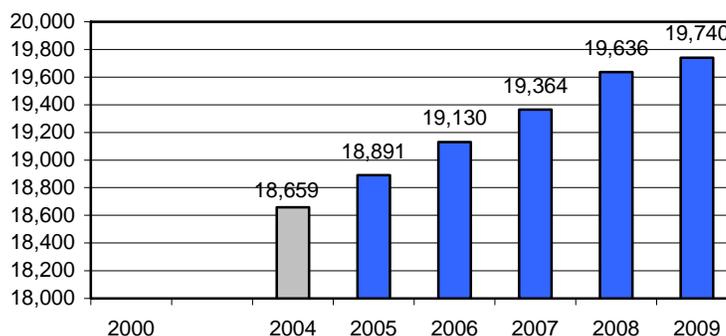
➔ **Desired Trend: Decreasing percentage.**

H2. Owner-Occupied Homes

Number of owner-occupied homes.

Owning a home is widely recognized as an effective way to build and sustain wealth. Higher homeownership rates are also correlated to other social and community benefits such as higher rates of community participation including voting and volunteerism, better educational outcomes for children, lower crime rates, and other measures of social stability.

Owner-Occupied Homes



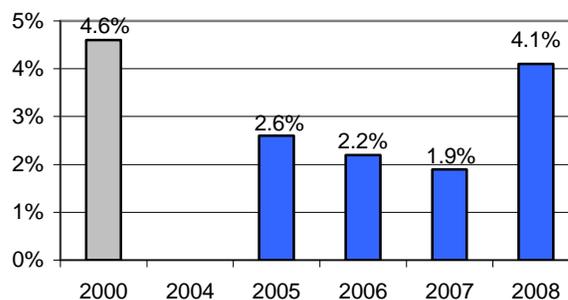
➔ **Desired Trend: Increasing number.**

H3. Vacancy Rate

Vacancy rate for rental units.

A very low vacancy rate (below 3%) for rental units is a sign that they are in high demand, which can lead to an increase in rental costs and a decrease in housing availability. A high vacancy rate (over 5%) for rental units is a sign that such units are over-supplied in the market.

Vacancy Rates



NOTE: The margin of error for this data is very high.

➔ **Desired Trend: Vacancy rate between 3 and 5**

Transportation Choices

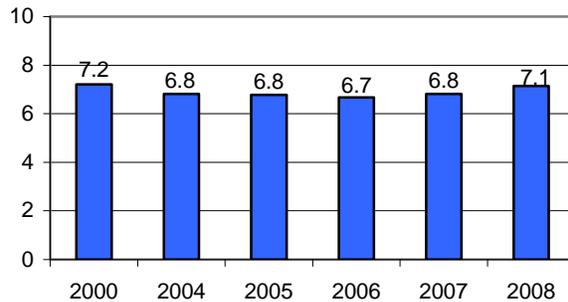
Principle: The efficiency of the highway system should be enhanced and use of public transit, walking, and bicycling should be increased.

T4. Condition of State Highways

Average condition of state highways.

State highway corridors are critical to the economy of Tompkins County because they are the primary ground transportation routes used to carry goods and services to and from the community. One measure of their condition is the average pavement condition score, which rates the average pavement condition of state highways in the County on a scale from 1 to 10. A score of 10 means "excellent;" a 6 rating is "fair;" and any score below 6 is "poor."

Condition of State Highways



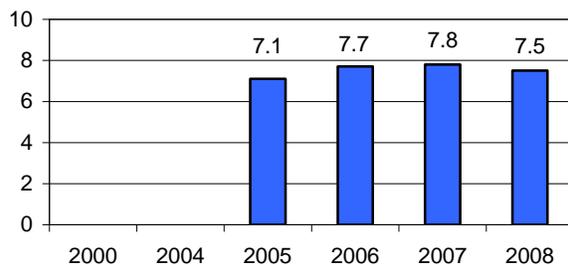
➔ **Desired Trend: Increasing score.**

T5. Condition of County Roads

Average condition of County roads.

Approximately 300 miles of roadway throughout Tompkins County are owned and managed by the County. This measure tracks the average pavement condition of County roads. A score of 10 means "excellent;" a 6 rating is "fair;" and any score below 6 is "poor."

Condition of County Roads



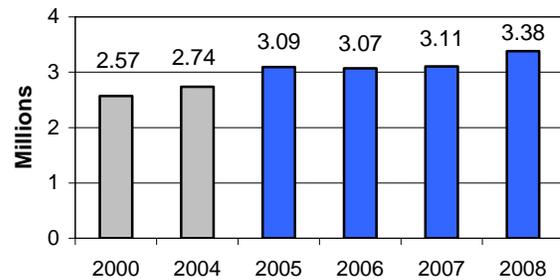
➔ **Desired Trend: Increasing score.**

T6. Bus Ridership

Annual ridership on public transit.

A heavily used public transit system is a sign that members of the community have good incentives to ride public transit, including convenient bus routes, well-maintained buses, and any financial or other incentives that may be provided by work or school. Growing ridership is indicative of public transit's important role in providing a multi-modal transportation system in Tompkins County and supports the potential for transit as a viable alternative to the single-occupancy vehicle.

Bus Ridership



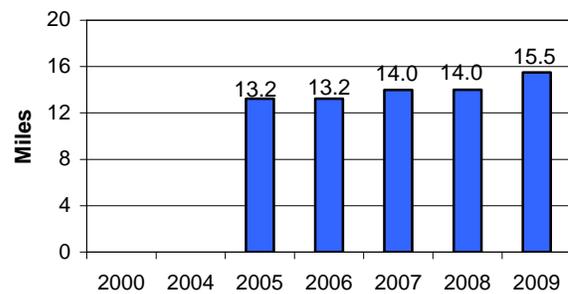
➔ *Desired Trend: Increasing number.*

T7. Multiuse Trails

Miles of multiuse trails.

The presence of an extensive multiuse trail network can help to connect communities, provide residents with alternative routes for commuting, and create opportunities for exercise, recreation, and relaxation. Multiuse trails can also strategically preserve corridors of open space in the region. This indicator is a measure of the investment in and expansion of multiuse trails in Tompkins County.

Multiuse Trails



➔ *Desired Trend: Increasing number.*

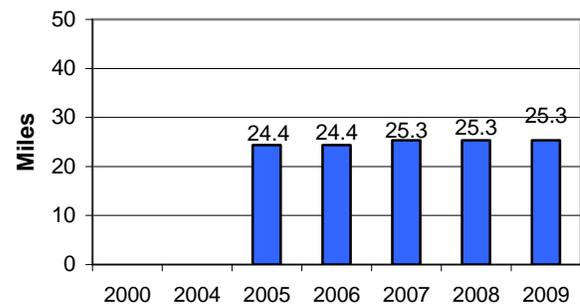
Highlight: 1 mile was added to the Freeville-Dryden trail.

T8. Bike Routes

Miles of marked bike routes.

The number of designated bike routes provides a good measure of the public support for the bicycle network in Tompkins County. Increasing the number of bike routes and ensuring a well-funded bike route system help to provide a solid foundation for bicycle recreation and commuting in the County.

Bike Routes



➔ *Desired Trend: Increasing number.*

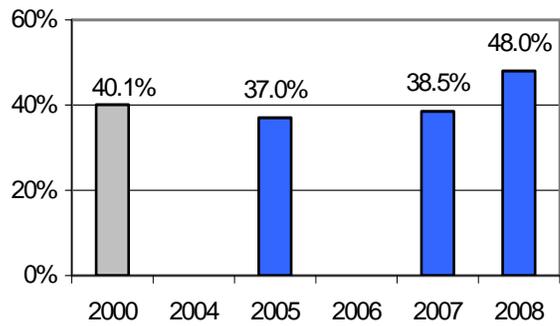
T9. Alternative Transportation to Work

Percent of workers taking alternative modes of transportation to work.

This indicator tracks the proportion of commuters who walk, bike, carpool, telecommute, and take the bus to work instead of driving alone. An increasing percentage of workers taking alternative transportation to work helps lessen traffic congestion during peak commuting hours and reduces air pollution.

NOTE: There is a high margin of error for these data.

Alternative Transportation to Work



➔ *Desired Trend: Increasing percentage.*

Jobs and Business

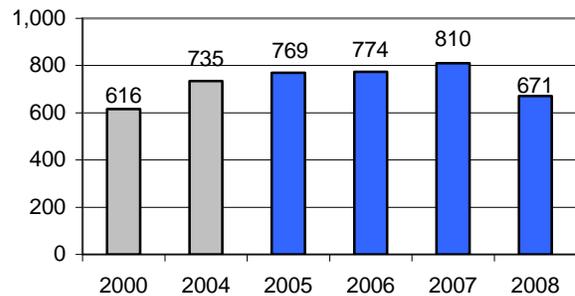
Principle: The local economy should be enhanced by building on important community assets, such as a highly educated workforce, an entrepreneurial spirit, dynamic academic institutions, and a high quality of life.

J10. New Businesses

Net number of businesses created annually.

Entrepreneurship and a steady growth in new businesses can point to a healthy and vigorous business environment. One way to measure business growth in the County is by counting the net number of new businesses created annually.

New Businesses



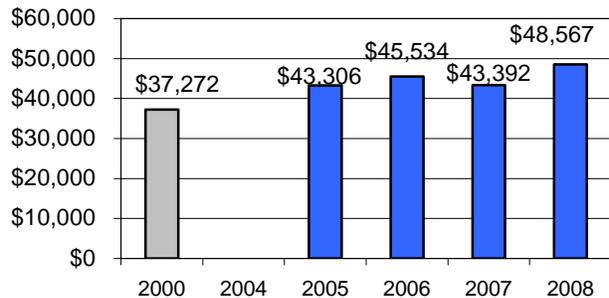
➔ **Desired Trend: Positive number.**

J11. Household Income

Median household income.

The median household income is a broad measure of economic health of the County. A household includes all persons who occupy a housing unit. A rising median household income is one indication that households in the County are doing well financially.

Household Income



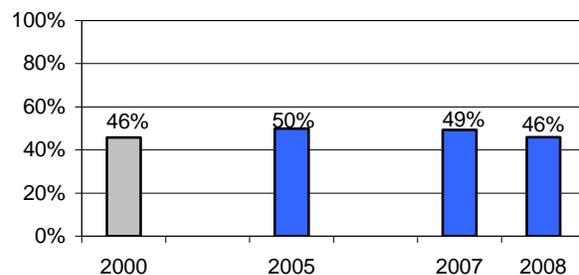
➔ **Desired Trend: Increasing amount.**

J12. Livable Wage

Percent of individuals earning a livable wage.

An important indication of the quality of employment opportunities and standard of living in a region is whether or not individuals' wages are keeping up with the cost of living in that region. The Livable Wage Study by Alternatives Federal Credit Union provides a benchmark for the minimum wage needed to reasonably support a person living in Tompkins County.

Livable Wage



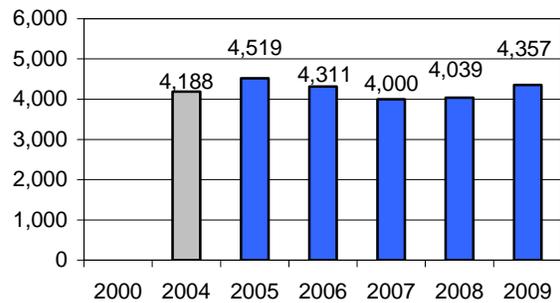
➔ **Desired Trend: Increasing percentage.**

J13. Commercial Flights

Number of regularly scheduled commercial flights using the Ithaca-Tompkins Airport.

The Ithaca-Tompkins Regional Airport is a critical element of the community’s transportation infrastructure that supports the local economy. Increasing the number of commercial flights available enhances travel options for travelers, thus improving the region’s perceived suitability as a place to do business, go to school, and visit.

Commercial Flights



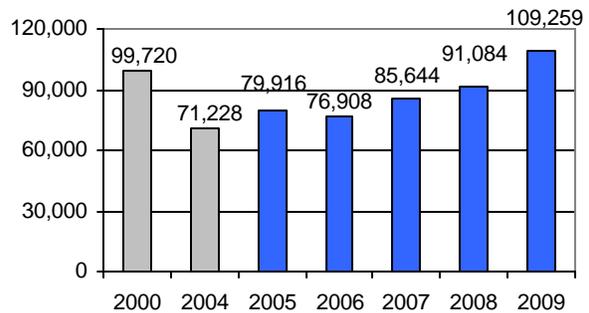
➔ *Desired Trend: Increasing number.*

J14. Airport Passengers

Number of airport passengers using the Ithaca-Tompkins Airport.

The number of airport passengers using Ithaca-Tompkins Regional Airport indicates the degree to which the airport is serving the community’s air travel needs. The number of passengers sharply declined after the events of September 11, 2001, and still falls short of the numbers before that date. This is consistent with national trends.

Airport Passengers



➔ *Desired Trend: Increasing number.*

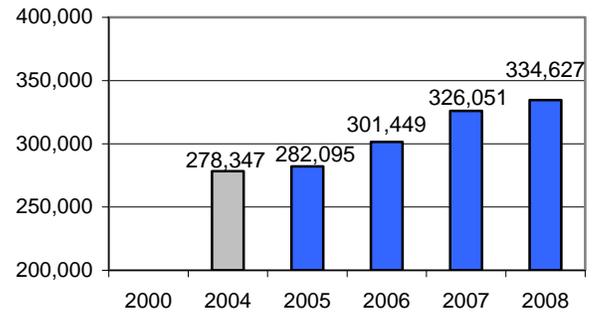
J15. **Overnight Stays in Hotels**

Number of overnight stays in hotels and motels.

This indicator provides a measure of the economic vitality of both tourism and business sectors in Tompkins County. As more visitors are drawn to the County's many attractions, such as its state parks and waterfalls, Farmer's Market, and arts and entertainment venues, the number of room rentals increases. Likewise, the activity at our institutions of higher education and a growing business sector boost room rentals as the number of travelers grows.

NOTE: Country Inn opened in June 2008 increasing overall room inventory by 4.8%

Overnight Stays in Hotels



➔ *Desired Trend: Increasing number.*

Rural Resources

Principle: A diversified rural economy centered around the working rural landscapes of farms and forests, and the livelihoods of those who depend upon them, should be preserved and enhanced.

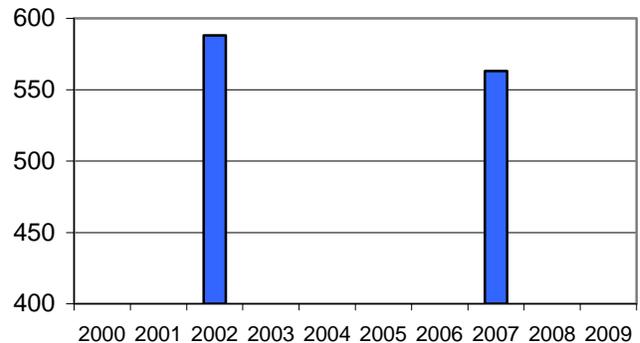
R16. Farm Operations

Number of farm operations

A measure of the state of agriculture in the County is the number of farms. A thriving agricultural sector benefits from having a diversity of farm types and sizes.

NOTE: The methodology for this indicator was changed. This chart is now based on the Census of Agriculture, which has the most accurate count of farm operations and is reported every 5 years.

Farm Operations



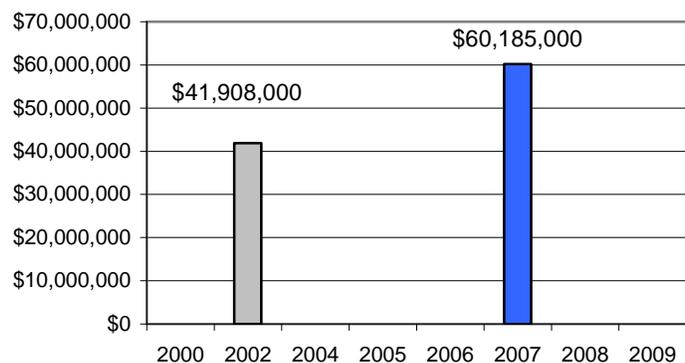
➔ **Desired Trend:** Stable or increasing number.

R17. Value of Agricultural Products

Market value of agricultural products.

The total market value of agricultural products produced provides a financial snapshot of how well the agricultural economy is doing in the County. An increasing or stable market value indicates that the economic health of farming within the region is solid. The most recent data for this indicator is from the US Agricultural Census, which is calculated every five years. The figures on this chart are not adjusted for inflation.

Value of Agricultural Products



➔ **Desired Trend:** Increasing value.

R18. Agricultural Assessment

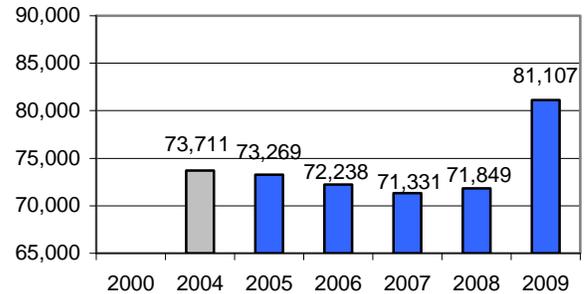
Acres receiving agricultural assessment.

Tracking the number of acres that are receiving agricultural assessment is one way of evaluating the state of agriculture within Tompkins County. In order to qualify for agricultural assessment, land must be used for the commercial production of crops, livestock, or livestock products. Farmland that receives agricultural assessment is taxed for its value as agricultural land, not its development value. An increasing portion of land receiving agricultural assessment is one indication that the agricultural base in the County is strong and growing.

Highlight:

In 2009, the Assessment Department is including vacant lands that are rented for agricultural purposes, creating a significant increase in agriculturally assessed lands

Agricultural Assessment



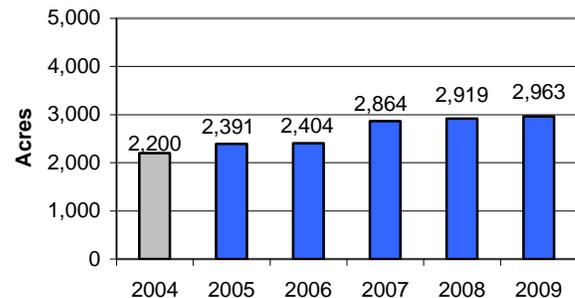
➔ **Desired Trend: Increasing acreage.**

R19. Protected Land in Agricultural Areas

Acres protected from development in the Agricultural Resources Focus Areas.

The Agricultural Resource Focus Areas that were identified in the Comprehensive Plan have the best soils in the County as well as high concentrations of contiguous, actively farmed parcels of land. This indicator tracks the acres of land in the Agriculture Resource Focus Areas that are protected from non-agricultural development, using tools such as farmland protection easements. Protecting land in Agricultural Resource Focus Areas helps to preserve prime agricultural soils and buffer farmland from encroaching residential development.

Protected Land in Agricultural Areas



➔ **Desired Trend: Increasing acreage.**

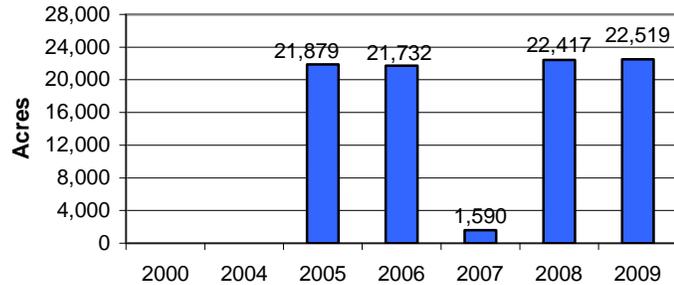
R20. Sustainable Forestland

Acres of sustainably managed forestland.

Sustainable forestry integrates the reforestation, management, growth, and harvest of trees for useful products with the conservation of soil, air and water quality, wildlife and fish habitat. Sustainable forestry is one of the many ways that residents use the available natural resources to support themselves financially and manage local forests wisely. This indicator tracks the number of acres of forestland in Tompkins County that is certified by the Forest Stewardship Council or the American Tree Farm System.

NOTE: The reduced number of reported sustainable forestland in 2007 was due to the fact that the State Department of Environmental Conservation had not yet renewed its annual Forest Stewardship Council certification.

Sustainable Forestland



➔ *Desired Trend: Increasing acreage.*

R21. Rural Self-Employment

Amount of self-employment income from businesses located in rural areas.

People that are self-employed in the rural areas of the County represent a vast array of services and occupations including bed and breakfasts owners, restaurateurs, veterinarians, website designers, accountants, seamstresses, and dairy farmers among many others. Self-employment and small business entrepreneurship in rural areas contribute to a diversified rural economy and provide for, or add to, the livelihood of many of the County's rural residents.

New Census data is expected from the 2010 Census.

➔ *Desired Trend: Increasing amount.*

Water Resources

Principle: Water resources provide drinking water, recreational opportunities, and environmental benefits, and should be protected and used appropriately.

W22. Protected Stream Buffers

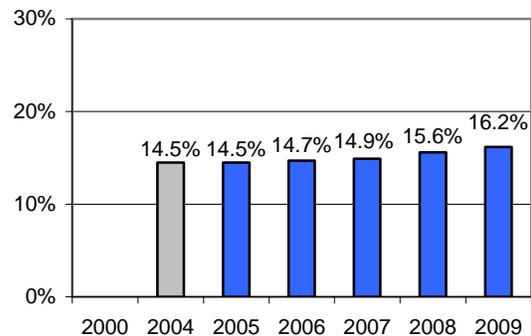
Percent of perennial streams with protected buffers.

Vegetated corridors of land along streams, called stream buffers, help protect water quality by filtering pollutants, sediment, and nutrients from runoff associated with land development. Other benefits of stream buffers include flood control, erosion mitigation, and habitat improvement. Conservation and enhancement of contiguous stream buffers will help to improve water quality in the County's streams and in Cayuga Lake. Protected stream buffers include land protected by ownership such as Finger Lakes Land Trust preserves and conservation easements.

Highlight:

Addition of a 41 acre conservation easement on Sixmile Creek, plus the addition of new State Park land on Enfield Creek account for the increase.

Protected Stream Buffers



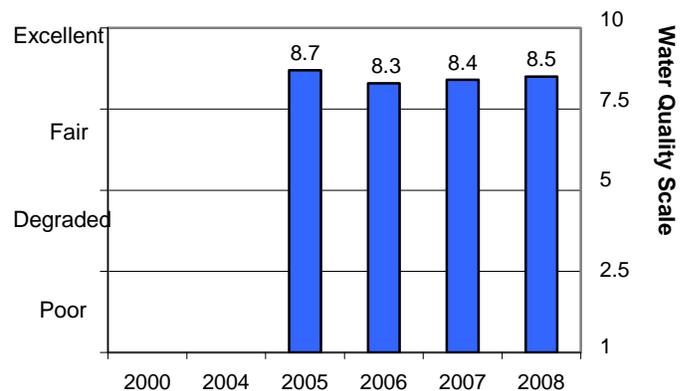
➔ **Desired Trend: Increasing percentage.**

W23. Aquatic Health in Six Mile Creek

Analysis of benthic macroinvertebrates in Six Mile Creek.

Because of their sensitivity to environmental impacts in the aquatic environment, the number and diversity of macroinvertebrates (including insects, mollusks, and worms) found in streams can be used to assess water quality. This indicator provides an assessment of water quality in Six Mile Creek based on macroinvertebrate data. The indicator relies on a methodology recommended by the New York State Department of Environmental Conservation, which uses a composite of metrics that make up the Biological Assessment Profile using a scale of 1 to 10 with a score of 10 indicating that the creek's water quality is excellent.

Aquatic Health in Six Mile Creek



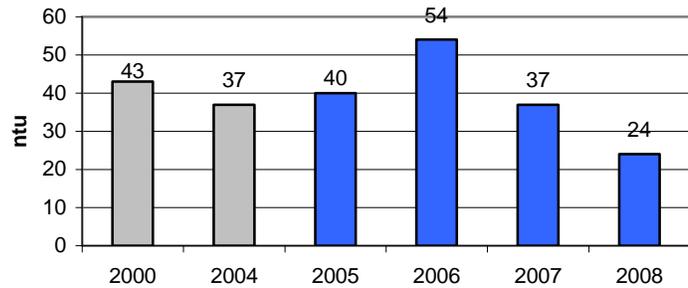
➔ **Desired Trend: Increasing score.**

W24. **Turbidity**

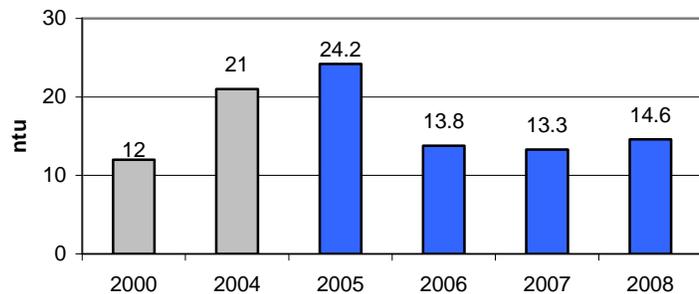
Average annual turbidity of water entering the County's three drinking water treatment facilities.

Turbidity measures the clarity of water and is used as an indirect indicator of the concentration of suspended matter, such as sediment, in water. A decreasing level of turbidity indicates greater water clarity. Turbidity can be caused by, among other factors, excessive erosion and sedimentation, which can degrade aquatic habitat and water quality, and diminish the aesthetic and recreational capacity of surface waters. This indicator tracks the average turbidity of water in Six Mile Creek, Fall Creek, and Cayuga Lake, which are the water sources for the City of Ithaca Water Treatment Plant, the Cornell Drinking Water Filtration Plant, and the Bolton Point Water System, respectively.

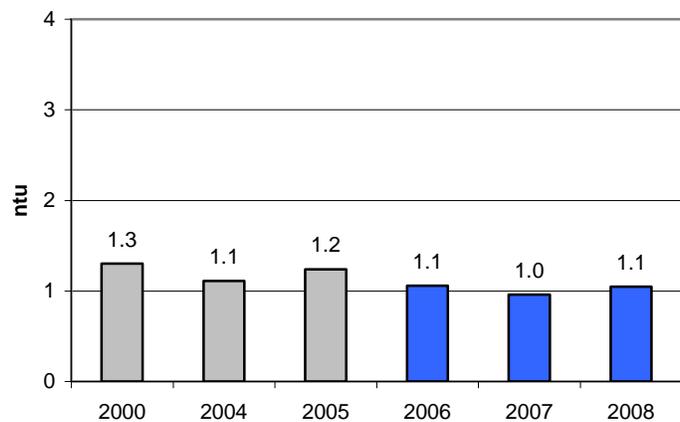
Turbidity: Six Mile Creek



Turbidity: Fall Creek



Turbidity: Cayuga Lake at Bolton Point

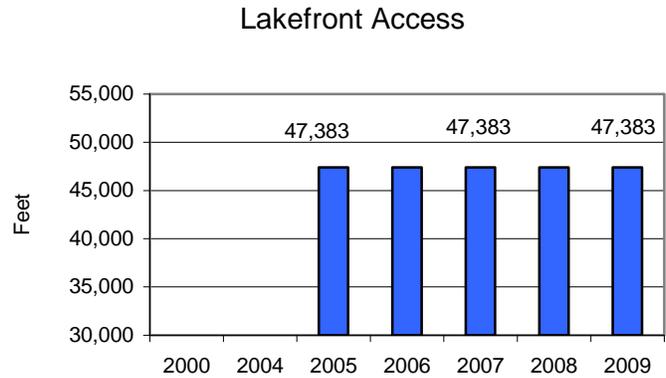


➔ **Desired Trend: Decreasing levels for all water sources.**

W25. Lakefront Access

Feet of Cayuga Lake shoreline with public access.

Cayuga Lake is one of the most significant recreational and aesthetic attractions in Tompkins County. This indicator gauges the level of public access to the lake by measuring the total number of feet of shoreline that are accessible to the public.



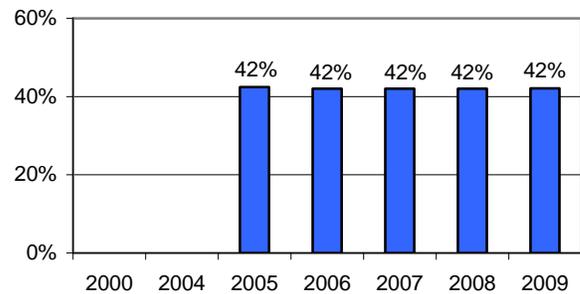
➔ *Desired Trend: Increasing number.*

W26. Lakefront and Inlet Development

Percent of Cayuga lakefront and inlet area that is developed in water-dependent or water-related uses.

Marinas, boat rentals, and some public utilities must be located directly on the lakefront. Other lakefront development, such as some restaurants and public parks, provide a community benefit as a result of their location on the lakefront. As lakefront land is a limited commodity, it should be reserved for water-dependent and water-related uses. This indicator tracks the percentage of developed lakefront and inlet area to Buffalo Street in the City of Ithaca (not including vacant parcels) in water-dependent or water-related uses.

Lakefront and Inlet Development



➔ *Desired Trend: Increasing percentage.*

Natural Features

Principle: Natural features that define our community, and form the foundation of our local and regional ecological systems, should be preserved and enhanced.

N27. Protected Land in Natural Areas

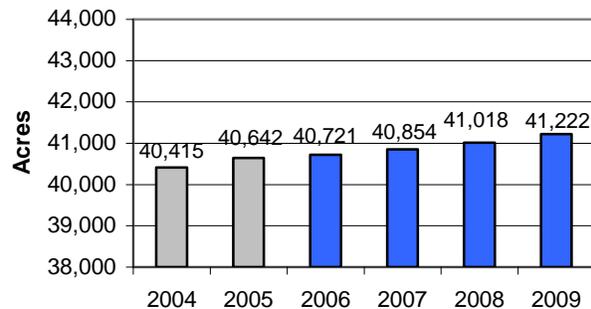
Acres of land protected from development in the Natural Features Focus Areas.

One of the most-appreciated facets of Tompkins County is its diversity of natural features, which range from spectacular waterfalls and gorges to the many streams, wetlands, grasslands, and forests. The fourteen Natural Features Focus Areas identified in the Tompkins County Comprehensive Plan reflect the diverse natural, recreational, and working landscapes of the County. This indicator tracks the amount of land in the Natural Features Focus Areas that is protected by ownership. Included in this indicator are state parks, state forests, state wildlife management areas, Finger Lakes Land Trust preserves, conservation easements, and municipal parks.

Highlight:

As of March 2010 new conservation easements protected 500 acres. Two Finger Lakes Land Trust Nature Preserves protected 200 acres of land and NY State Parks acquired 63 acres in Tompkins County.

Protected Natural Lands



➔ **Desired Trend: Increasing acreage.**

N28. Parks

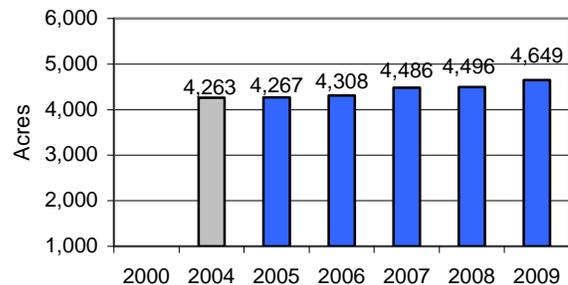
Acres of publicly accessible outdoor park and recreation facilities.

The presence of public parks and recreational areas enriches the quality of life in Tompkins County. Parks contribute to a healthy lifestyle by providing opportunities for exercise, play, and social interaction for all ages. This indicator measures the acreage of parkland including municipal and state parks, as well as other publicly accessible outdoor recreational facilities, such as municipal golf courses and public school grounds.

Highlight:

In 2009, 140 acres were added to the Robert Treman State Park.

Parks



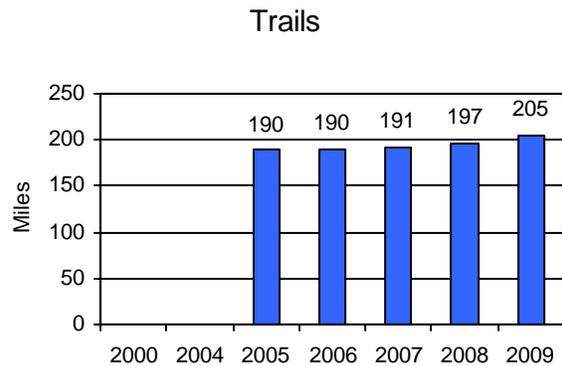
➔ **Desired Trend: Increasing acreage.**

N29. Trails

Miles of publicly accessible hiking trails.

The hiking trails in State Forests, Cornell natural areas, and nature preserves are an important element of the outdoor recreational experience in the County. A well-maintained and expanding network of hiking trails provide good opportunities for exercise, recreation, and outdoor education for residents and tourists.

NOTE: In 2009, 1 mile was added to the Dryden-Freeville Trail as well as the addition of trails in the Finger Lakes Land Trust preserves and updated trails data for the City of Ithaca.

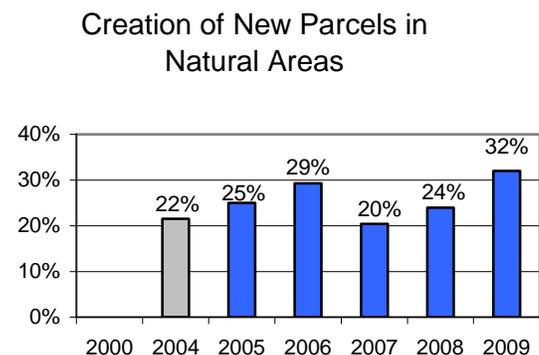


➔ *Desired Trend: Increasing number.*

N30. Creation of New Parcels in Natural Areas

Percent of newly created parcels that are located in Natural Features Focus Areas.

The percentage of newly created lots within Natural Features Focus Areas gives us an understanding of how much prospective residential development is likely to occur within these areas. Increasing residential activity could threaten the natural functions and benefits of the Natural Features Focus Areas in the long term.



➔ *Desired Trend: Decreasing percentage.*

Strong Communities

Principle: Tompkins County residents should be safe, healthy, and comfortable with the aesthetics of their communities, and have daily opportunities to interact with neighbors and community members to build strong, cohesive communities.

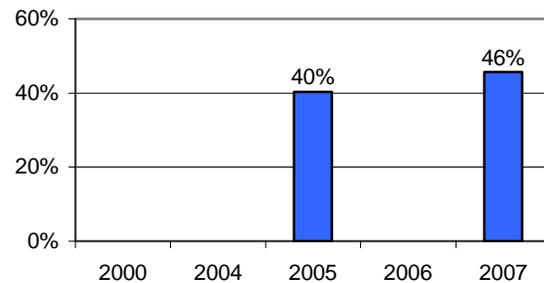
S31. Sidewalks

Percent of streets that have sidewalks within City and village boundaries.

A connected and extensive network of sidewalks encourages people to walk for exercise, leisure, and transportation and can foster a sense of community when one meets neighbors and friends while out for a stroll. Building sidewalks in population centers increases the safety and ease of walking and demonstrates public support for walkable neighborhoods within a community.

NOTE: Sidewalk data is not updated annually, but is updated when the aerial imagery becomes available.

Sidewalks



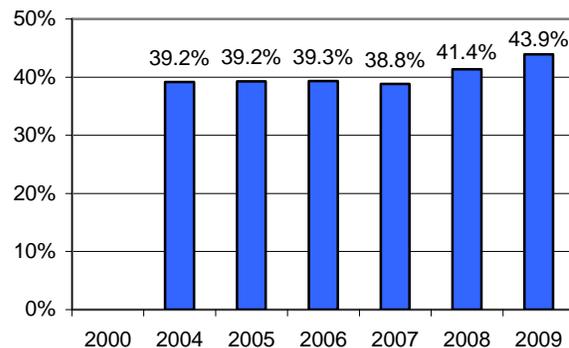
➔ **Desired Trend: Increasing percent-**

S32. Housing Near Community Facilities

Percent of housing units within a half-mile of at least seven community facilities.

A mix of land uses and a variety of social and recreational opportunities within walking distance of residences promote walking, social networking, and community livability. This indicator measures the percentage of housing in Tompkins County that is within a half-mile of at least seven different community facilities. These were selected from among fourteen different types of community facilities, including post offices, community centers, schools, retail stores, and offices. This indicator is adapted from the Leadership in Energy and Environmental Design (LEED) for Neighborhood Development Rating System, which assigns LEED certification credits to a residential project if it is located within a half-mile of at least seven non-residential use categories.

Housing Near Community Facilities



➔ **Desired Trend: Increasing percentage.**

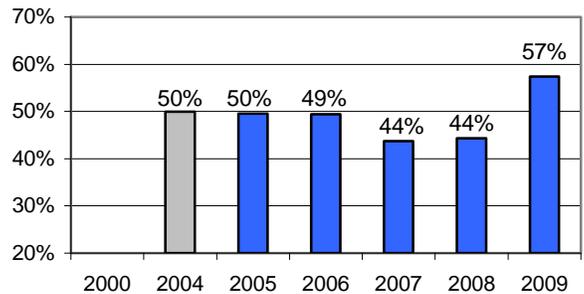
NOTE: A new methodology for housing unit data was used beginning in 2009.

S33. **Housing Near Transit**
Percent of housing units within a quarter mile of a transit stop

Locating housing close to transit stops provides residents with more convenient choices for transportation. People are more likely to use public transit to commute when a transit stop is located close to where they live. A good rule of thumb is that if a destination is within a five-minute walk (a quarter mile distance), people are more inclined to use transit.

NOTE: The new housing unit data now includes more units near the bus stops because it includes housing units within commercial properties that were not represented in previous years.

Housing Near Transit



➔ *Desired Trend: Increasing percentage.*

Centers of Development

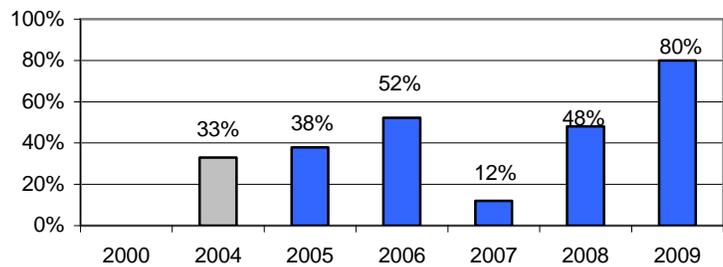
Principle: *The development patterns reflected in the existing villages, hamlets, and the City of Ithaca’s downtown area and neighborhoods should be promoted as key components of the built environment that greatly contribute to the vitality of the local economy and*

C34. Construction in Centers of Development

Percent of new construction or renovation investment that is located in the City, villages, and hamlets.

Investment in new construction and renovation in the City, villages, and hamlets helps revitalize the community’s existing centers of development. This indicator tracks the percentage of new construction or renovation for both residential and commercial projects located in the City, villages, and hamlets. An increasing percentage indicates that new construction is being directed to established centers and away from existing open space in the County.

Construction in Centers of Development



➔ **Desired Trend:** *Increasing percentage.*

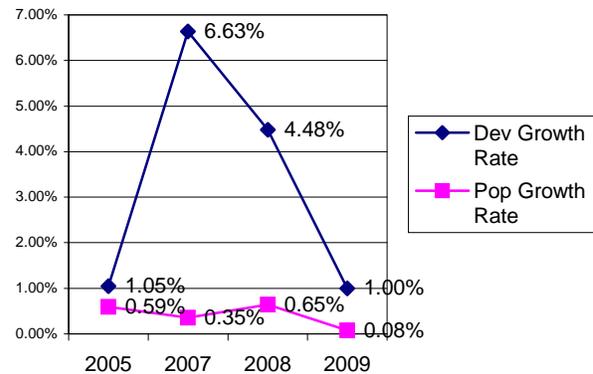
NOTE: In 2009, Cornell had a project that totaled \$1,729,000,000. Had the Cornell project not been undertaken, the percent of new construction in the centers of development would have been only 14%

C35. Land Development and Population Growth

Rate of land development compared to rate of population growth.

This measure compares the rate of population growth to the rate of new land development. It indicates whether undeveloped land in the County is being developed at a rate that is less than, or greater than, the rate of population growth.

Land Development and Growth



➔ **Desired Trend:** *Rate of land development equal to or lower than the rate of population*

Efficient Use of Public Funds

Principle: *The effectiveness of taxpayer dollars should be maximized by investing government funds in public infrastructure and facilities in the most efficient manner possible.*

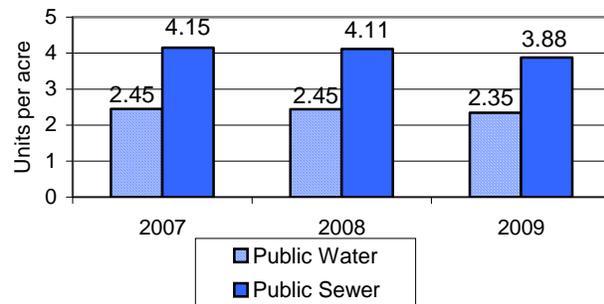
E36. **Public Infrastructure**

Density of residential development with public water and sewer service.

Encouraging residential development in areas where there is water and/or sewer service provides benefits to communities and homeowners. Homeowners can be assured of safe and reliable water and sewer service and communities avoid the financial strain of installing and maintaining new lines to low density, scattered residential development. This indicator measures the density of housing units per acre within the public water or sewer service areas in the County. An increasing density means that development is concentrating in areas that have access to public water or public sewer. A decreasing density means that sewer and water lines are being extended to serve lower-density development.

NOTE: The data source used to calculate the numbers on this chart was changed. The entire chart reflects the new data source and is not comparable to previously published Indicators Reports.

Public Infrastructure

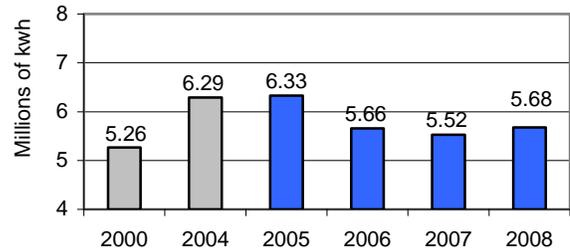


➔ **Desired Trend: Increasing density.**

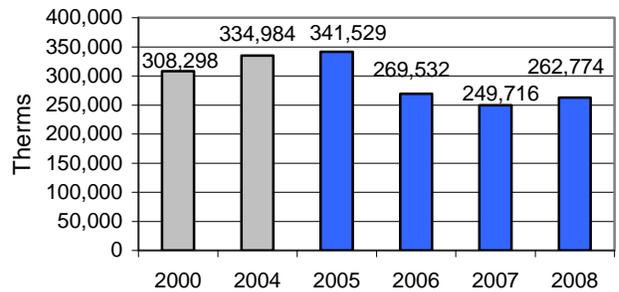
E37. Non-Renewable Energy
 Amount of annual non-renewable energy used in County-owned facilities.

One way of reducing costs and promoting the efficient use of public funds at the County level is by reducing the amount of non-renewable energy used in County-owned facilities. Lowering the amount of non-renewable energy used also lowers the amount of greenhouse gas emissions generated by the County and consequently its contribution to global climate change. The increases in non-renewable energy usage from 2000 to 2005 reflect a net addition of 90,000 square feet, or 27 percent, to the County building inventory.

Non-Renewable Energy: Electricity



Non-Renewable Energy: Heat



➔ **Desired Trend: Decreasing amount of energy**

