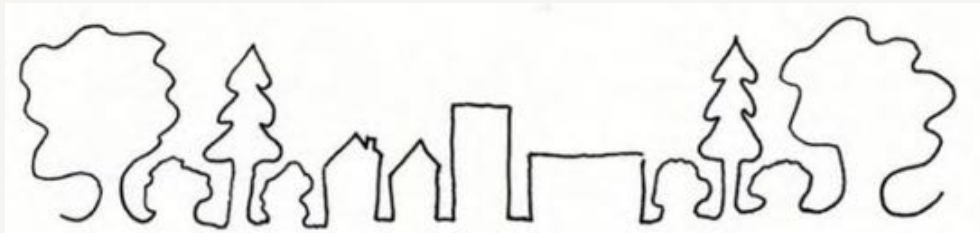


# ROCKLAND P.L.U.S PLANNING LAND USE WITH STUDENTS



High School Students from throughout Rockland County consider sustainable planning for our community.



Concluding with a Symposium Event 3/23/18 at  
St. Thomas Aquinas College (STAC)

# Where Would You Rather Live?



# How Would You Prefer To Power Your Home?





# Which Would You Rather Drive?



# Where Would You Rather Go Shopping?





# Real life Rockland examples of electric car & electric motorcycle commuters



## Group Activity – Planning Sustainability for all Ages and Stages



- Review the Community Enhancing Features worksheet in your folder.
- Consider the different age groups that are a part of your community. Which of these features would best suit the needs and desires of each of these different age groups
  - Children (ES)
  - Teens (HS)
  - Adults (A)
  - Seniors (S)
- Individually, choose 3 features that would benefit each of the 4 age groups listed above.
- Now, narrow your choices down to just 5 features that would serve the interests of all age groups in your community.
- Get into groups of 4 – 6 and discuss why you chose each of the 5 features, then make a selection of 5 features that you all agree upon.

# How can we plan for a healthy, sustainable community?



- Sustainable Community Planning means thinking both locally and regionally & balancing various critical needs





Rockland P.L.U.S. helps us to **S.E.E.** the Community – the **S**ocial, **E**conomic, and **E**nvironmental aspects of our communities

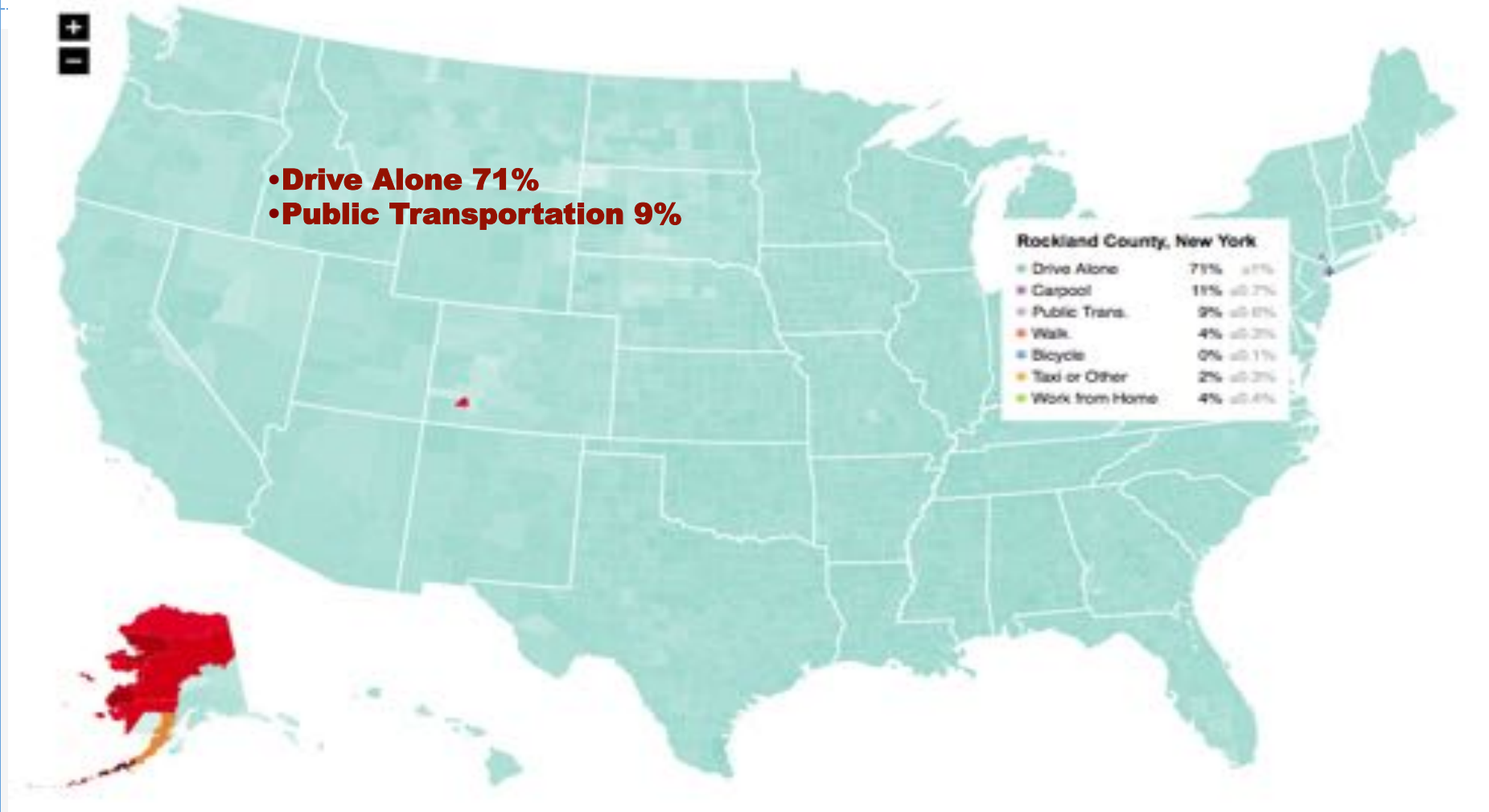


In any community there is a lot to consider.  
For Rockland, transportation is important.



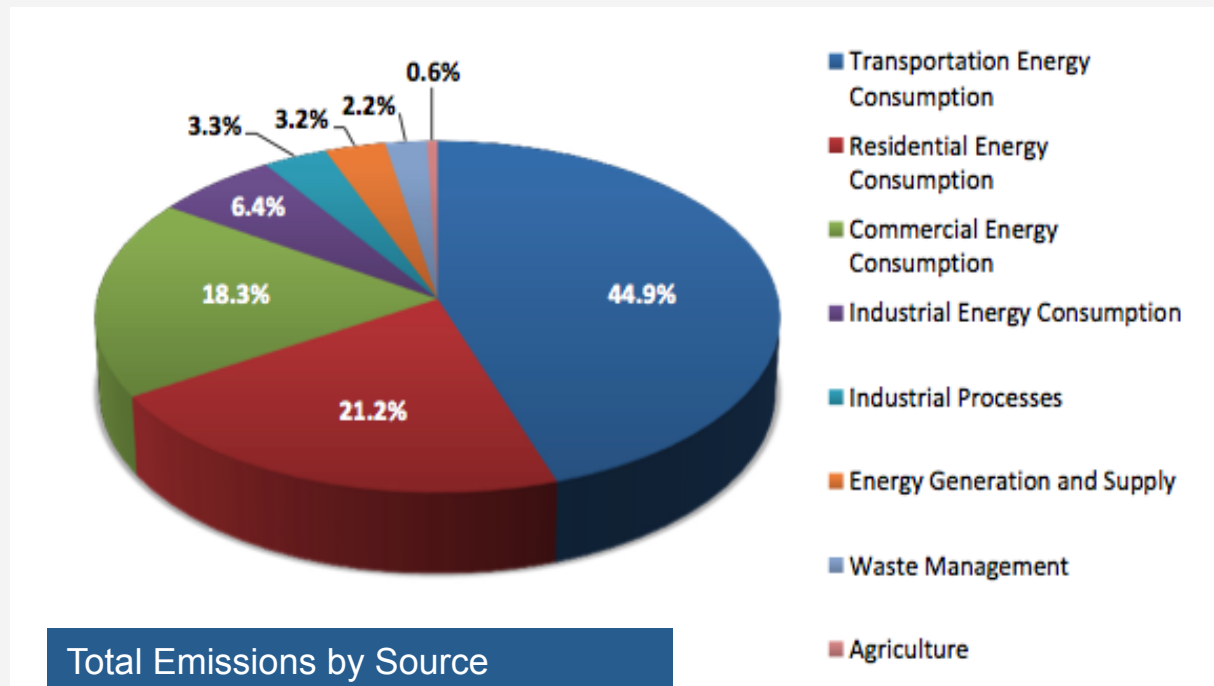
Currently 82% of Rockland residents live & work in the County.  
Transportation within the County, transportation to Westchester (7.2%) & to New York City (10.8%) must all be considered.  
We also must be forward thinking. With the new bridge will this change?

How does Rockland commute? Slightly better than the national average with 76% driving alone – but with more thoughtful planning we could improve significantly!





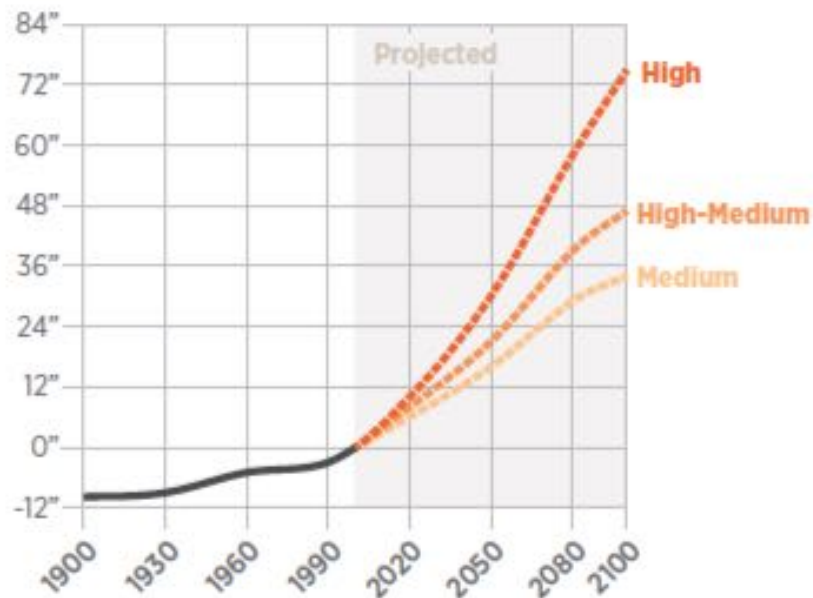
# Why Focus on Transportation? Consider the following...



This graph from the Mid-Hudson Regional Sustainability Report shows almost **half** of our region's emissions come from transportation. Emissions are a major contributor to Green House Gasses (GHG). Moving people more efficiently is an important piece in sustainable planning.

# GHG lead to climate warming which leads to Sea Level Rise (SLR) Regional Planning efforts are considering these issues

Historic sea level rise observations and future projections for New York City / Lower-Hudson Region.



Source: Adapted from NPCC and New York State projections.  
Note: The Low scenario developed by the NPCC is not included in this chart. That scenario is dependent on a radical and immediate reduction in carbon emissions reduction that is considered by many experts to be unrealistic, and most consider the Medium scenario to be the lower range of what may occur.

## Sea Level Rise is Accelerating

**RPA** Regional Plan Association

## Under Water

How Sea Level Rise Threatens the Tri-State Region



A Report of The Fourth Regional Plan  
December 2016

# In Rockland we know that in addition to Sea Level Rise extreme weather events cause Storm Surge, another significant problem

These photos are from Hudson River impacts, but local streams and waterways also cause impacts.





## What does this have to do with planning?



- We have made ourselves less resilient with the way that we have cleared areas of native plants, filled, paved and hardened our surfaces, enclosed our streams in pipes, not considered natural features in our planning.
- **Good news!** We can create more resilient communities with changes in our planning practices and land use decisions.

# We can create change through planning



**Permeable Pavement**



**Plant buffers between sidewalks & streets**



**Vegetation Islands for 'run on'**



# We can create change through planning



**Rain Barrels**



**Green Roofs**



**Rain Gardens**



**Maintaining Original Trees & Shrubs**



# We can create change through planning



**CARPOOL  
& HYBRID  
PARKING**

**Spaces that are walkable, bikeable, and encourage fuel conservation!**

**Encourage reduced energy use!**

**Solar to fuel our homes & businesses!**



**Natural sunlight!**

## What will we be doing in this program?



- You will be working with your class to re-envision a local space, considering social, economic and environmental issues.



# What will we be doing in this program?

You will turn your ideas into a poster presentation to share with professionals from throughout the County.

**The Old Shimpf Farm Site**  
Albertus Magnus High School

**Current Senior Housing Development Plan:**  
Historic Shimpf Farm Site located 13 Parrott Rd. on corner of Germonds Rd, West Nyack, was a staple of the community until it closed in 2011. Family owned Farm Garden and Landscape Center dedicated to supporting local farming and public outreach/education.

**ENERGY, WATER, ENVIRONMENT**  
-Solar Panels: clean, renewable energy  
-Large efficient daylighting windows  
-Energy efficient bulbs (CFLs/LEDs) and appliances; low flush toilets, showers  
-Loop stream water for fountain and gardens; rain-catchers; rain gardens  
-Pervious parking, vegetative swales  
-Under-dwelling ground level stilt parking  
-Green rooftops and rooftop recreation  
-Green spaces, protective vegetation

**SITE PLAN**  
Yellow: Sidewalk/Walkway  
Purple: Bike Path/Bike Rack Area  
Green: Green Space/Vegetation

**HOW DO YOU S.E.E. IT?**  
We maintained a close connection to the site's farm history and community feel, and integrated sustainable features that are both economical and environmentally conscious. We surveyed members of the 55 and older community and incorporated their input.

**SOCIAL, BUSINESS & SERVICE FEATURES**  
-Clubhouse/Meetinghouse for socializing, community events, health and wellness  
-Walkable "Town Center": under-dwelling stores, market, medical clinic/pharmacy, and site for weekly/monthly farmers market  
-Outdoor Amphitheater and recreation fields  
-Greenhouse Café with Community Garden

**WORKING WITH STAKEHOLDERS/COMMUNITY**  
-RSVP Retired and Senior Volunteer Program; TRIPs and TOR Bus Services, Rockland Farm Alliance, Historical Society; BOCES and other local schools, colleges; businesses interested in storefronts; health and wellness/fitness services

**MAKING CONNECTIONS**  
-Bus/Shuttle Stop: TRIPs, other local buses  
-Electric Golf Carts powered by solar  
-Walking and Bike Paths, Sidewalks



# What will we be doing in this program?



Collaborating with peers from other Rockland high schools to use what you have learned to plan for a new location.

## CONSIDERING:

- How to collaborate while bringing in new ideas?
- How to enhance the wider community through our project?
- How the project will blend & connect to the community?



Rockland P.L.U.S.  
March 23, 2018  
S.T.A.C  
8:30 a.m. – 1:30 p.m.



## We will be back! And when we return....



- Between now and next visit use small colored post-its to compile a list of places on the large sheet at the front of the room where you:
  1. *see evidence of great planning in your community AND in the County that you feel add to the value and benefit of living here; and*
  2. *feel that your community is forward thinking in terms of sustainable planning.*
- What would you add? What are we missing in our community?



## Rockland P.L.U.S. 2018 is a collaborative partnership of



1. Keep Rockland Beautiful
2. Lamont-Doherty Earth Observatory of Columbia University
3. Rockland Conservation & Service Corps
4. Rockland Economic Development Corporation
5. Saint Thomas Aquinas College

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