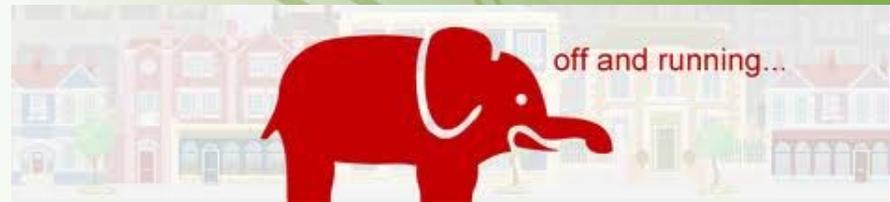


Town of Somers Sustainability Action Plan



Plan Goals for Phase I



- **Sustainability Education Initiative** - to provide basic understanding of sustainability and the reason we are implementing this plan. To seek volunteers – 60-80% of Somers residents and businesses.
 - **Senior Year Sustainability Project** ✓
- **Energize Somers** (Energy Conservation) – 60-80% of residences 30-60% of businesses 60-80% of Govt and schools buildings. ✓
- **Water Conservation Methods** – 30-50% of Residences 20-50% of Business 50-60% of Govt and Schools
- **Recycling and Waste management** – 60-80% of Residences 60-80% of Businesses 50-80% of Govt and Schools
- **Access to Locally Grown Food** - accessibility to locally grown food by Town Residents *Expand School vegetable growing program - to be managed by each school and provide supplemental fresh food to the cafeteria.*
 - *Public vegetable garden site - for residents that have little access to fertile soil or the means to grow food*

- **Optimize & Harden Current Town Infrastructure** – Composite utility poles, underground cabling for high incident outage areas
- **Additional 10 - 20 miles of bike and walkways** to reduce the use of cars, school buses while not disturbing traffic flow. ✓
 - *10-20 bike racks to be placed in public gathering places, the actual number to be aligned to the increase use of bike paths.*
 - *Increase of 20%/year of use solar lighting of streets, public parks and play areas,*
 - *5-10 recharging stations (revenue to town) in public spaces, the actual number to be aligned to increase use of battery powered cars and bikes.*
- **Develop a long term disaster recovery plan** for the town to address climate change.
- **Vehicle Pollution Reduction** – 20-50% of Residences 20-50% of Business 30-60% of Govt and Schools

Goals to know where are going

Plan Goals

Phase II



- **Introduction of first Renewable Energy Park** – to educate residents and businesses on the use of renewable energy, water regeneration, waste management, passive solar technology etc.
- **Identify Financing Solutions** - to provide low-cost leases or loans for conversion to renewable energy. This could be a partnership with local financial institution, the county and the state. It could also be the product of a multi-town consortium.
- **Reducing Outages** – Look at alternatives, from composite utility poles to selected areas for underground wiring (high incident areas). We would work with the utilities here since they and they alone can make the changes.
- **Developing a Residential and Town Micro grid** – using alternative energy resources, connect the energy generation into a grid, meter it and possible use some of the generation to provide backup power during outages.

Solarize Somers

Conversion of 30 - 50% of administrative and school facilities to alternative energy sources

Increase of recharging stations at parks and large parking areas, again aligned to increase use of battery powered vehicles and bikes

Conversion of 20-50% school buses to hybrid or all electric vehicles after a pilot

Conversion of 20-40% of residences to renewable energy sources, with set guidelines and financing alternatives in place.

Use of renewable energy by 30-80% of businesses in Somers Commons

Reduction of 20-40% of energy cost of Town Parks and Facilities



A small, realistic globe of the Earth is positioned in the center of a large, vibrant green leaf. The globe shows the continents of North and South America in shades of brown and green, set against a dark blue ocean. The leaf is detailed with visible veins and a natural, slightly irregular shape. The background is a soft, light green gradient with faint, stylized geometric shapes and lines, creating a clean and modern aesthetic.

PROJECT DETAILS



Somers Energy and Environmental Committee

ENERGIZE SOMERS COMMERCIAL PROPERTIES

Types of buildings



- All commercially owned buildings in NY State installing permanent energy improvements are eligible for Energize NY financing. At this time new construction is not eligible. See Eligible Buildings.

Types of projects



- Energize NY Finance targets comprehensive upgrade projects. Energize NY Financing is made available to energy efficiency and renewable energy projects that install permanent improvements to reduce energy costs, in existing buildings that participate in a NYSERDA or utility upgrade program. The recommendation must result in an energy savings-to-investment ratio **greater than 1 over the lifetime of the recommended measure**. Typical eligible measures include:
 - High efficiency lighting
 - Heating, ventilation & air conditioning (HVAC) upgrades and controls
 - High efficiency chillers, boilers, furnaces, heat pumps, water heating systems and pumps
 - Building enclosure/envelope improvements
 - Building automation (energy management) systems/smart controls
 - Renewable energy systems such as on-site solar PV, solar thermal or geothermal installations

Location



- The commercial property must be located within a New York State municipality that is a member of the Energy Improvement Corporation
- We are!

Ownership structure



- Properties that are commercially owned are eligible to participate in the Energize NY PACE Finance Program. This classification includes buildings such as those owned by either a For-Profit or a Not-For-Profit Corporation, a Limited Liability Company (LLC), a Partnership, or a Trust.

Project requirements



- Estimated annual energy savings/energy generation $>$ than annual finance payments
- Improvements have SIR (savings-to-investment ratio) $>$ 1

Financial requirements



- The property's loan-to-value ratio must not exceed 80%/20%
- Financing is available for up to 10% of the appraised value of the building
- No bankruptcy within last 7 years
- 3+ year history of timely property tax payments
- Existing lenders must complete a Lender Consent Form. Energize NY can help you attain lender consent.
- Maximum terms of 15-20 years
- The building must have a certified appraisal completed within the last 1 year.



Complete Streets

Background:



The Town of Somers Energy & Environment Committee has developed a Somers Sustainability Plan (SSP) that will:

- Preserve and conserve many natural resources
- Reduce the dependence on oil for the generation of heat and power
- Identify alternatives to oil and coal through the use of renewable energy sources
- Provide a future environment free of pollutants in the air, land and water
- Improve the **standard of living** as it relates to our coexistence with our environment

The SSP consists of various projects- One of the projects is called Complete Streets.

What is Complete Streets?

MB3



- A Complete Street is a roadway^{MB1} designed to consider the safe, convenient access and mobility of roadway users of all ages and abilities. This includes pedestrians, bicyclists, and motorists; it includes children, seniors, and persons with disabilities.
- Complete Street roadway^{MB2} design features may include sidewalks, lane striping, bicycle lanes, paved shoulders suitable for use by bicyclists, signage, crosswalks, pedestrian control signals, bus pull-outs, curb cuts, raised crosswalks, ramps and traffic calming measures.

Slide 14

MB1 Should we say program instead of roadway

Michael Blum, 8/18/2014

MB2 Same comment here

Michael Blum, 8/18/2014

MB3 Added ?

Michael Blum, 8/18/2014

Complete Streets Example



Before

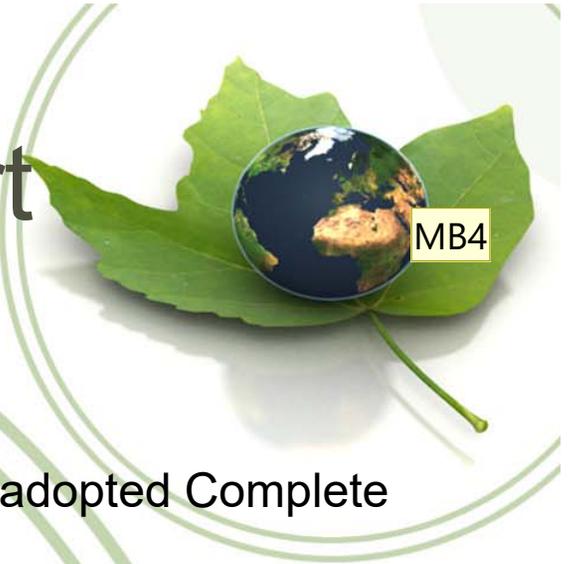


After

Compete Streets Example



Complete Streets Support



- Over 27 states, including the District of Columbia have adopted Complete Street policies.
- New York State - August 15, 2011
Governor Andrew M. Cuomo signs the Complete Streets Act (Chapter 398, Laws of New York) {LEGISLATIVE HISTORY: 2010: S.5711-B/A.8587-B}.
 - This legislation would ensure that complete streets design principles are utilized where they would be most needed, most effective, and most beneficial to improve safety for all who use our roadways
- Somers – April 15, 2013 The Somers Town Board adopts a Complete Street Resolution

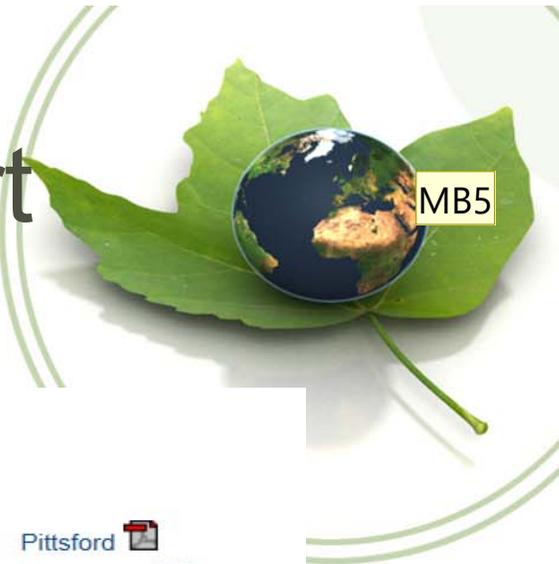
Slide 17

MB4

Should we say Experience instead of Support here

Michael Blum, 8/18/2014

Complete Streets Support



Villages, Towns and Cities with Complete Streets Resolutions or Policies

- Angelica
- Babylon
- Bethlehem
- Binghamton
- Blenheim
- Brookhaven
- Buffalo
- Canandaigua
- Chester
- Clyde
- Cold Brook
- Colton
- Cuba
- Dobbs Ferry
- Dunkirk
- East Hampton
- Elizabethtown
- Fishkill
- Fort Edward
- Glens Falls
- Great Neck Plaza
- Gowanda
- Hinsdale
- Ilion
- Independence
- Islip
- Jamestown
- Kingston
- Lake Luzerne
- Lewis
- Lewisboro
- Malone
- Middleburgh
- Middleville
- New York City
- Newcomb
- New Rochelle
- North Hempstead
- Ogdensburg
- Pittsford
- Plattsburgh
- Potsdam
- Rochester
- Salamanca
- Saratoga Springs
- Schoharie
- Sharon Springs
- Silver Creek
- Somers
- South Hampton
- Spring Valley
- Warrensburg
- Webb
- Westport
- Willsboro
- Williamson
- Wilmington

Slide 18

MB5

These are references I think. We are asking for support.

Michael Blum, 8/18/2014

Benefits of Complete Streets



- Complete Streets makes economic sense.
- Complete Streets encourage more walking and bicycling.
- Complete streets reduces accidents.
- Complete streets are good for air quality.
- The program improves overall quality of life for all residents.

Complete Streets are Safe Streets



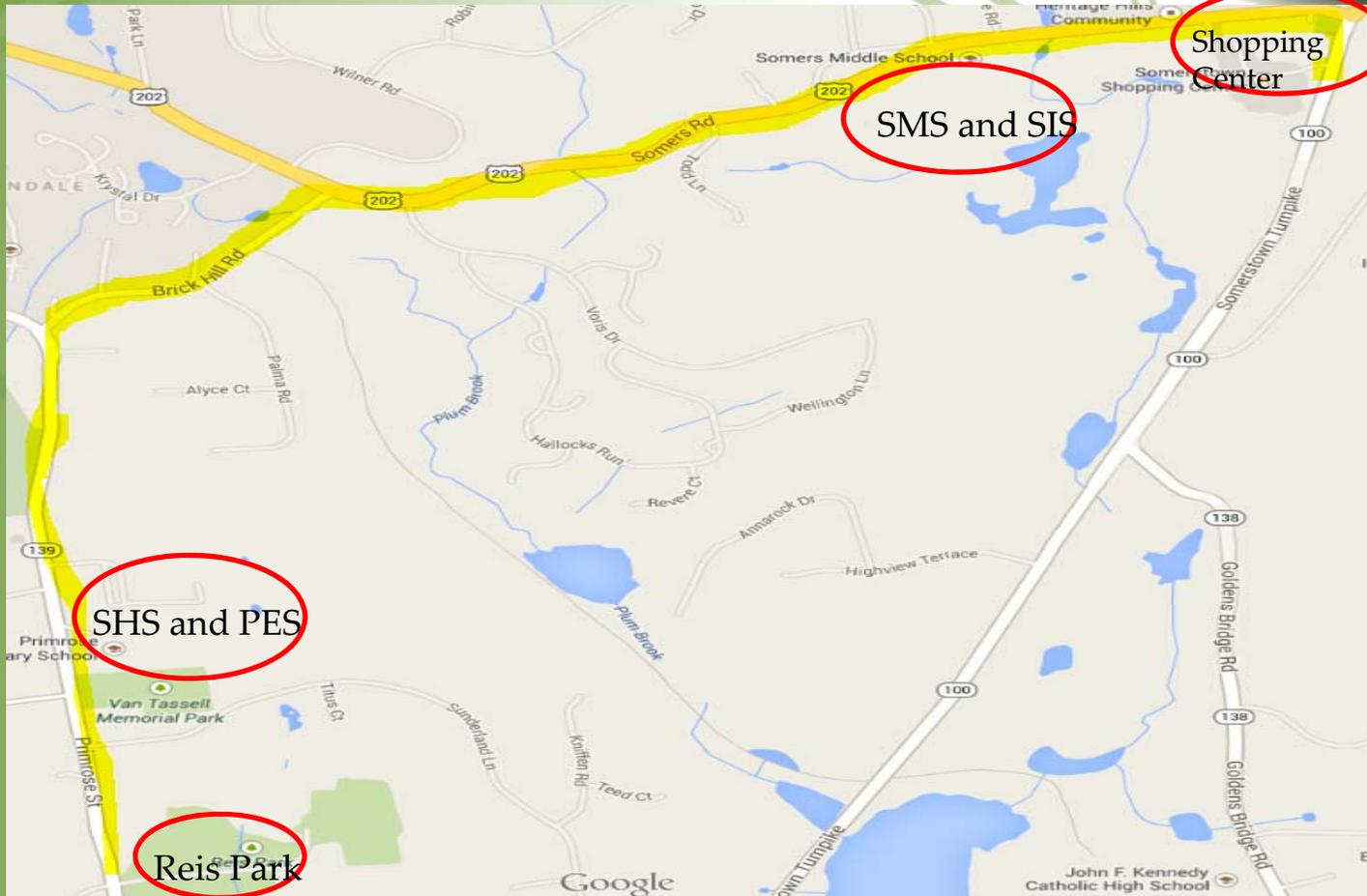
Project Scope



This project proposes construction of sidewalks and bike lanes that will connect the following sites:

- Reis Park
- Primrose Elementary School (PES)
- Somers High School (SHS)
- Somers Intermediate School (SIS)
- Somers Middle School (SMS)
- Somerstown Shopping Center

Proposed Construction of Sidewalks and Bike Lanes



This is approximately 3 miles of sidewalks and bike lanes.

Funding



- **Main objective – funding for Complete Streets project will come from other sources, therefore town taxes will not be impacted for the Complete Streets project**
- Funding will be obtained from these sources:
 - Government Programs
 - NYS DOT Transportation Alternatives Program (TAP) – TAP funds are federal funds that is catered for Complete Streets projects
 - Reimbursement Program – recipients will be reimbursed for 80% of eligible costs for their proposed project. The remaining 20% can be obtained via fundraising, grants or loans.
 - Grants – Hudson River Valley Greenway

Next Steps

- Obtain Town Board approval to
 - Initiate Planning and Design phase
 - » Received estimate of \$39,500
 - Engage Community for support
 - Create CS Advisory Board
 - Apply for Funding Opportunities

MB6

MB7

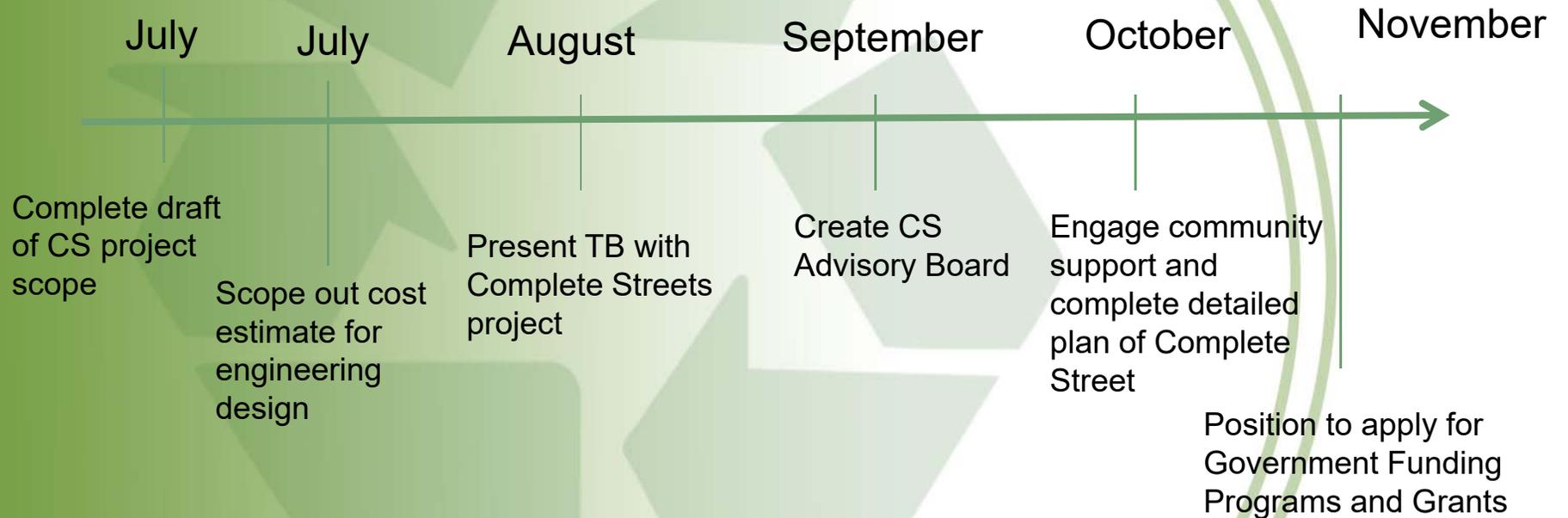
MB8



Slide 23

- MB6** We should state that we will issue an RFP so that we can get more than one quote. Need this in any case for municipal funding
Michael Blum, 8/18/2014
- MB7** Will we tell them the makeup.
Michael Blum, 8/18/2014
- MB8** I think somewhere we need to show the timeline that we are trying to make.
Michael Blum, 8/18/2014

Complete Streets Timeline



Solarize Somers

Somers Environmental and Energy Committee



Program Summary



- Driving principle – Any resident or business should have access to renewable energy (solar, wind, water) to reduce cost their cost of energy consumption.
- Municipality – Car ports, and solar fields
- Somers Schools – K-Solar, primarily rooftop solar
- Residential – Solarize Somers (rooftop), community solar sharing via subscription to solar field or garden.

Questions, Comments?

