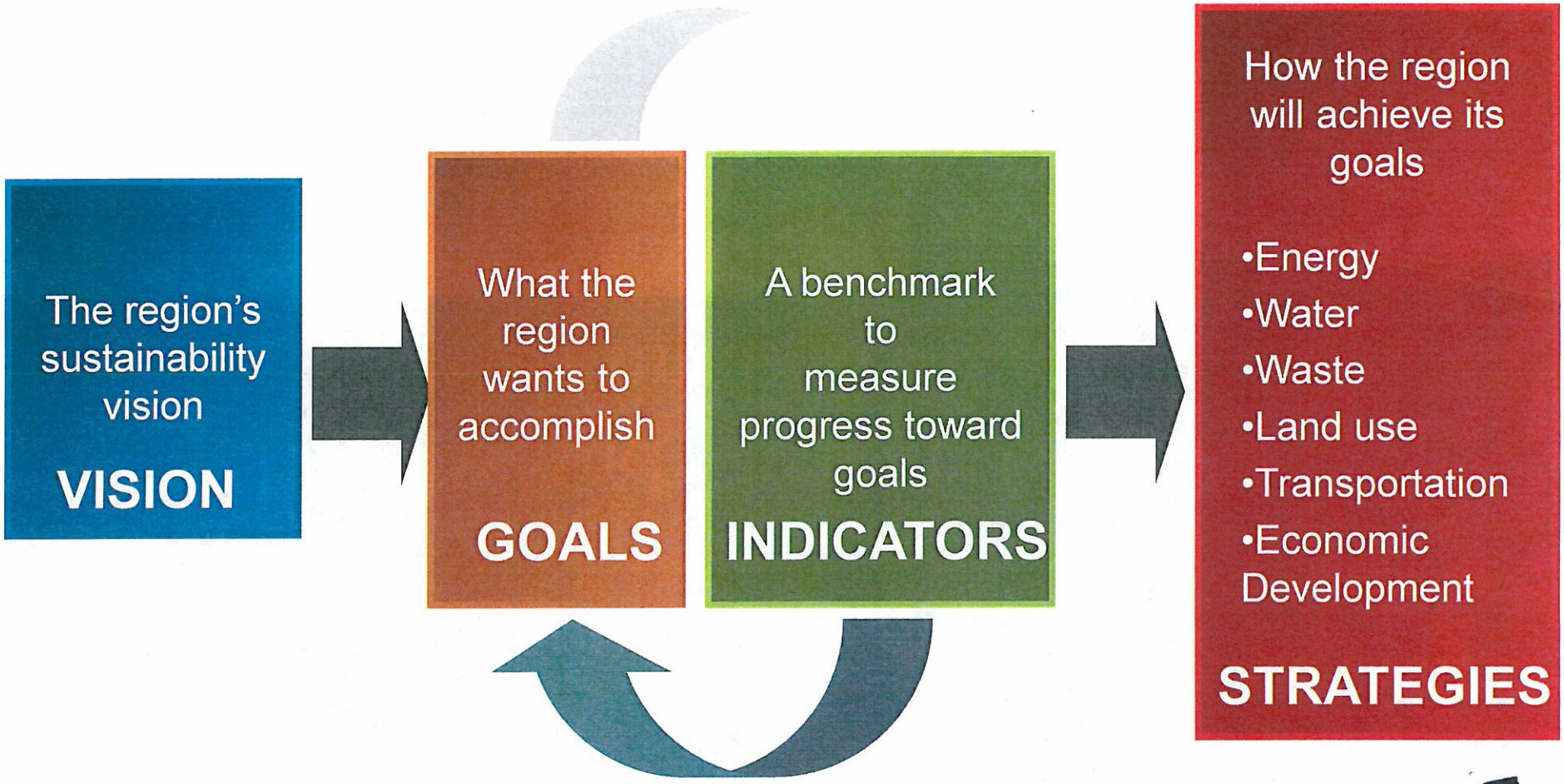
Long Island Cleaner, Greener Sustainability Plan

Long Island Regional Sustainability Plan
LIREDC Meeting– April 9, 2013



CLEANER GREENER COMMUNITIES

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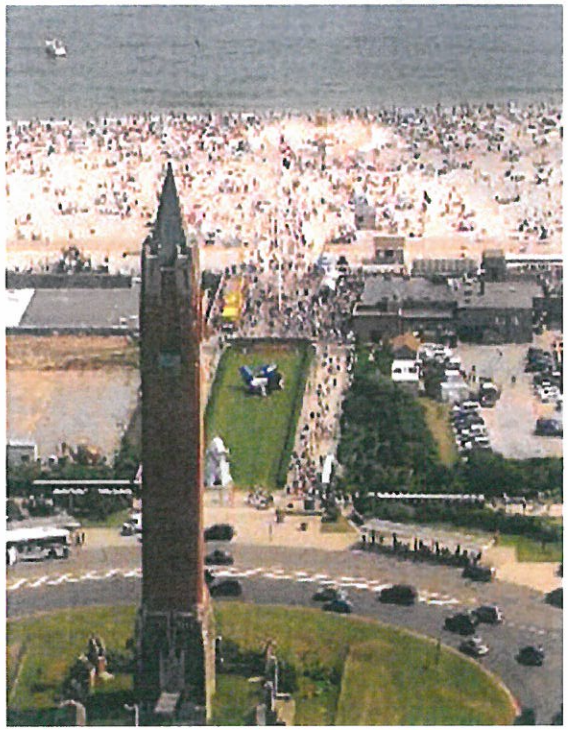
The region's sustainability vision



Long Island will implement policies and practices that support our communities as they adapt to the challenges of the 21st century and pursue an affordable, high quality of life, a strong economy, and equitable communities allowing everyone to enjoy the cherished quality of life that Long Islanders desire.

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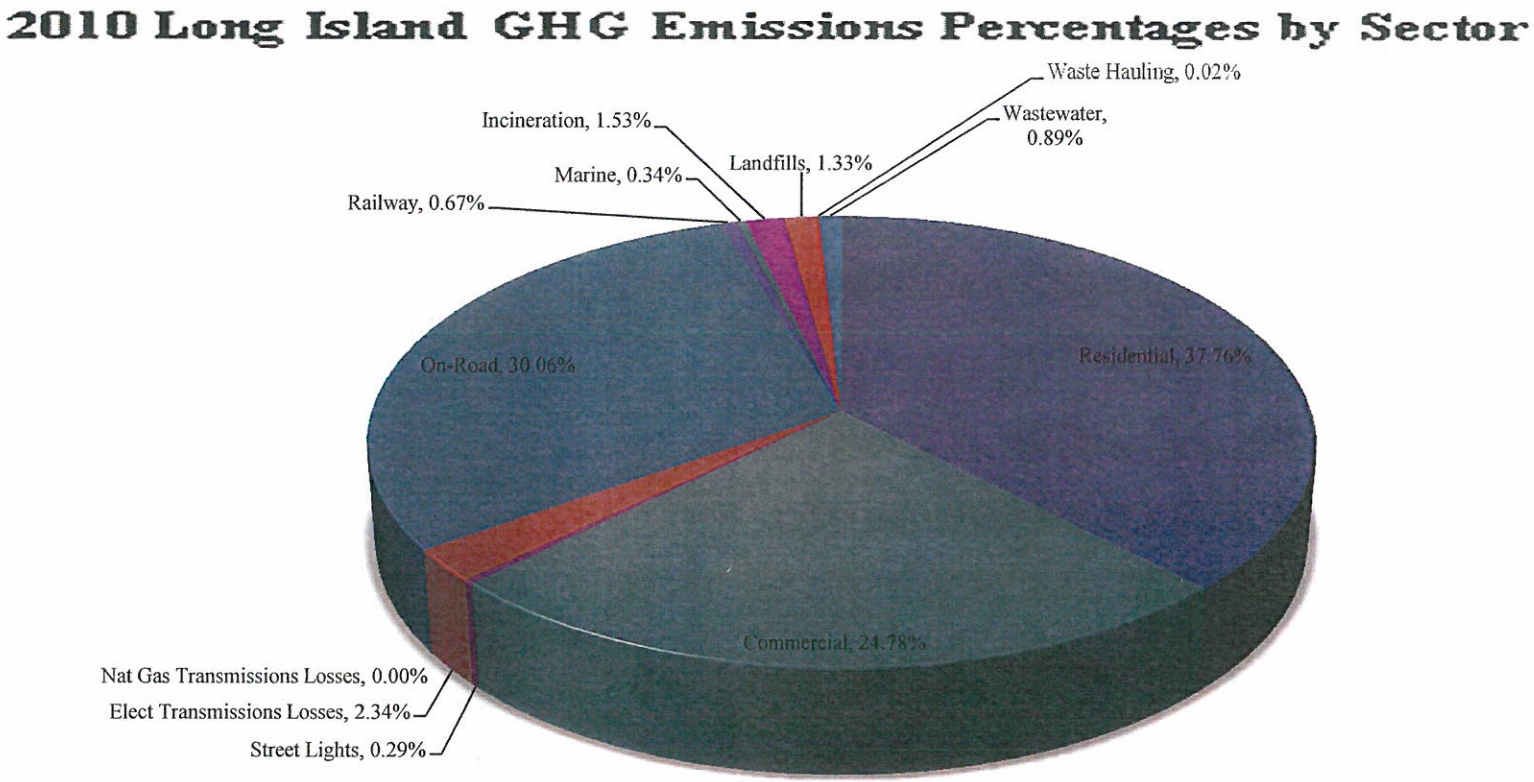
Priority: Reduce Greenhouse Gas Emissions



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Projected Growth of LI Greenhouse Gas Emissions 2020

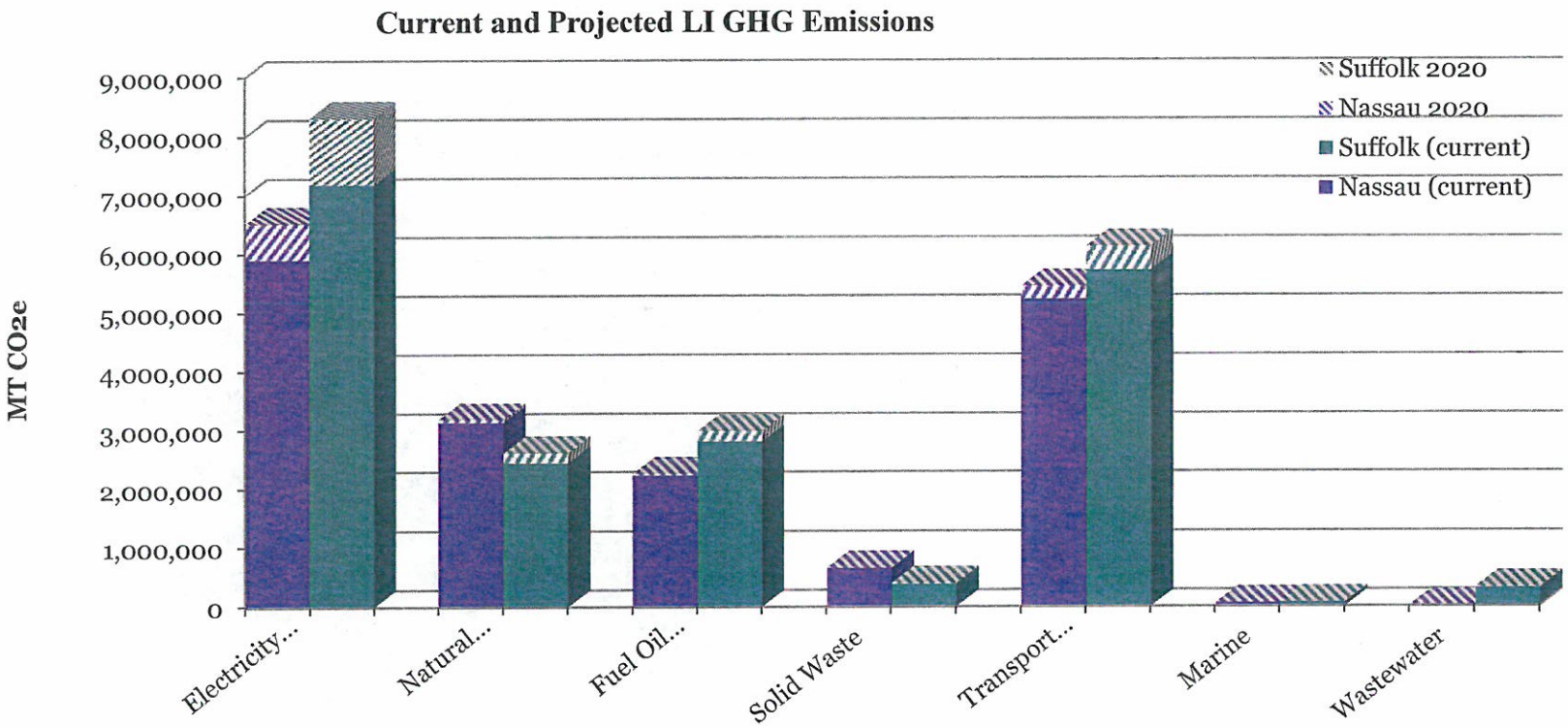

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Table of anticipated climate change impacts to the LI region (from NYS Responding to Climate Change, 2012)

Extreme event	baseline	2020s	2050s	2080s
Temperature				
Number of days per year with maximum temp exceeding 90°F	19	20 to 42	24 to 58	31 to 80
Number of days per year with maximum temp exceeding 95°F	4	4 to 15	6to 28	9 to 47
Number of heat waves /year	2	4 to 15	3 to 7	4 to 9
Average duration of heat waves	4	4 to 5	5 to 6	5 to 8
Number of days per year with min. temp. at or below 32°F	72	48 to 66	31 to 56	22 to 56
Precipitation				
	47"	0 to +5%	0 to +10%	+5-10%
No. of days per year with rainfall exceeding 1"	14	11to 16	11 to16	11 to 17
No of days per year with rainfall exceeding 2"	3	2 to 5	3 to 5	2 to 5
Sea level rise				
Sea level rise	N/A	2 to 5 in	7 to 12 in	12 to 23 in
Sea level rise with rapid ice-melt scenario	N/A	5 to 10 in	19 to 29 in	41 to 55 in

Priority: Create Jobs

Jobs Created by Sector (Source: NYS Department of Labor)

Sector	2012 Employment	% Change over 2011	2012 Sector Employment as % of Total
Total Private	**1,058,100**	**0.80%**	**84%**
Goods Producing	**126,900**	**-3.00%**	**10%**
Natural Resources, Mining and Construction	55,600	-4.10%	4%
Manufacturing	71,300	-2.10%	6%
Service-Providing	**1,136,100**	**0.60%**	**90%**
Private Service-Providing	**931,200**	**1.40%**	**74%**
Trade, Transportation, and Utilities	271,300	0.60%	21%
Information	23,900	-2.00%	2%
Financial Activities	75,700	5.30%	6%
Professional and Business Services	164,800	1.90%	13%
Education and Health Services	242,600	2.30%	19%
Leisure and Hospitality	97,500	-2.00%	8%
Other Services	55,400	2.60%	4%
Government	204,900	-2.90%	16%
Total Nonfarm	**1,263,000**	**0.20%**	**100%**

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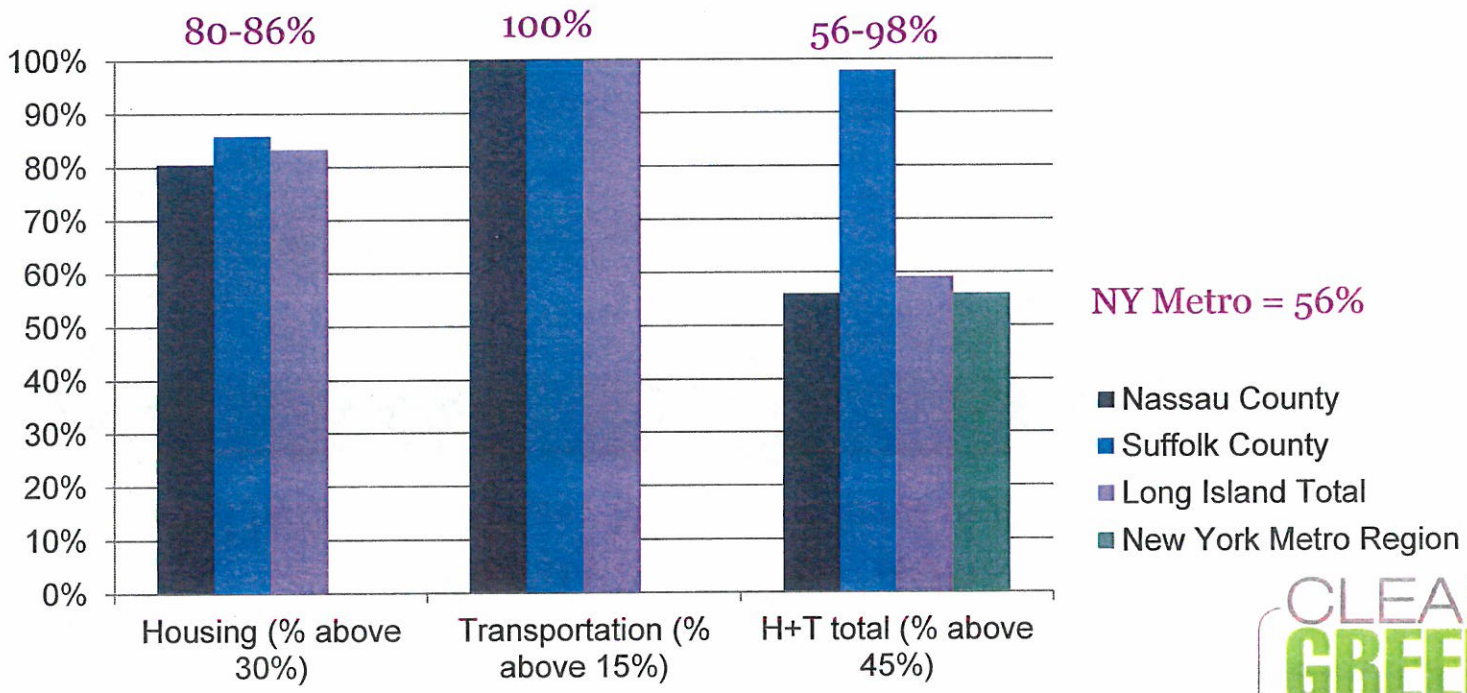
Housing + Transportation Affordability Index

On Long Island:

- >80% of households pay >30% of income for housing
- 100% of households pay >15% of income for transportation
- >55% of households are considered to have unaffordable levels of H+T

H+T Affordability Index (http://htaindex.cnt.org/#1)



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Strategy: Transportation

- EV charging stations to provide regional range capacity (municipal and private)
- Improve multi-modal (rail & bus)
- Complete streets
- Increase rail freight to reduce truck traffic
- Increase employer incentives: reduce vehicle miles traveled

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Strategy: Waste Management

- Optimize waste to energy
- Reduce organic waste
- Expand recycling to 3-7 plastics and educate households
- Reduce municipal solid waste: source reduction
- Clean fleets

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Strategy: Water Management – Drinking Water

- Work together on a framework to strengthen the region's water resource: management of coordinated usage, conservation & protection
- Reduce water consumption

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Strategy: Water Management - Wastewater

- Improve and expand sewers & improve septic systems
- Control flooding & reduce stormwater runoff

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Strategies: Energy

- Energy efficient retrofitting of existing residential and commercial buildings
- Incentivize energy efficient new buildings
- Double local renewable energy generation
- Improve energy efficiency of municipal buildings, fleets & operations.
- Increase electric, hybrid and low-carbon fuel vehicles.

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Strategies: Land Use & Livable Communities

- Equitable, transit oriented developments
- Green infrastructure and parking
- Protect most critical open space
- Create storm resilient buffers

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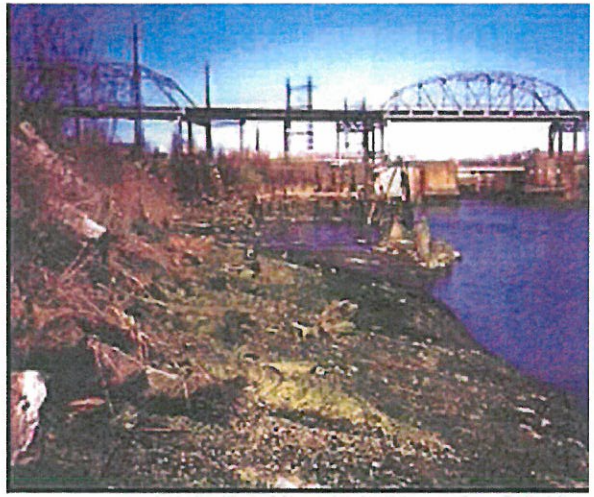
Climate Adaptation Strategy: Shoreline Stabilization



NYC Parks Concrete Plant Park

Strategies: Economic Development

- Workforce housing that is affordable, near transportation and jobs, and energy efficient housing
- Businesses near housing and transit
- Retaining, growing & attracting green business clusters: R& D, green construction, agriculture & aquaculture
- Green business designations & marketing
- Green workforce development for local contractors & labor
- Superstorm Sandy rebuilding

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Strategies: Economic Development

- Green workforce development for local contractors & labor
- Superstorm Sandy rebuilding homes and businesses to be more resilient

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Strategies: Governance & Implementation

- Cleaner Greener funding – LIREDC approval
- CGC Consortium & NYSERDA Regional Outreach Coordinator to help with application outreach
- Climate Smart Communities program – municipalities

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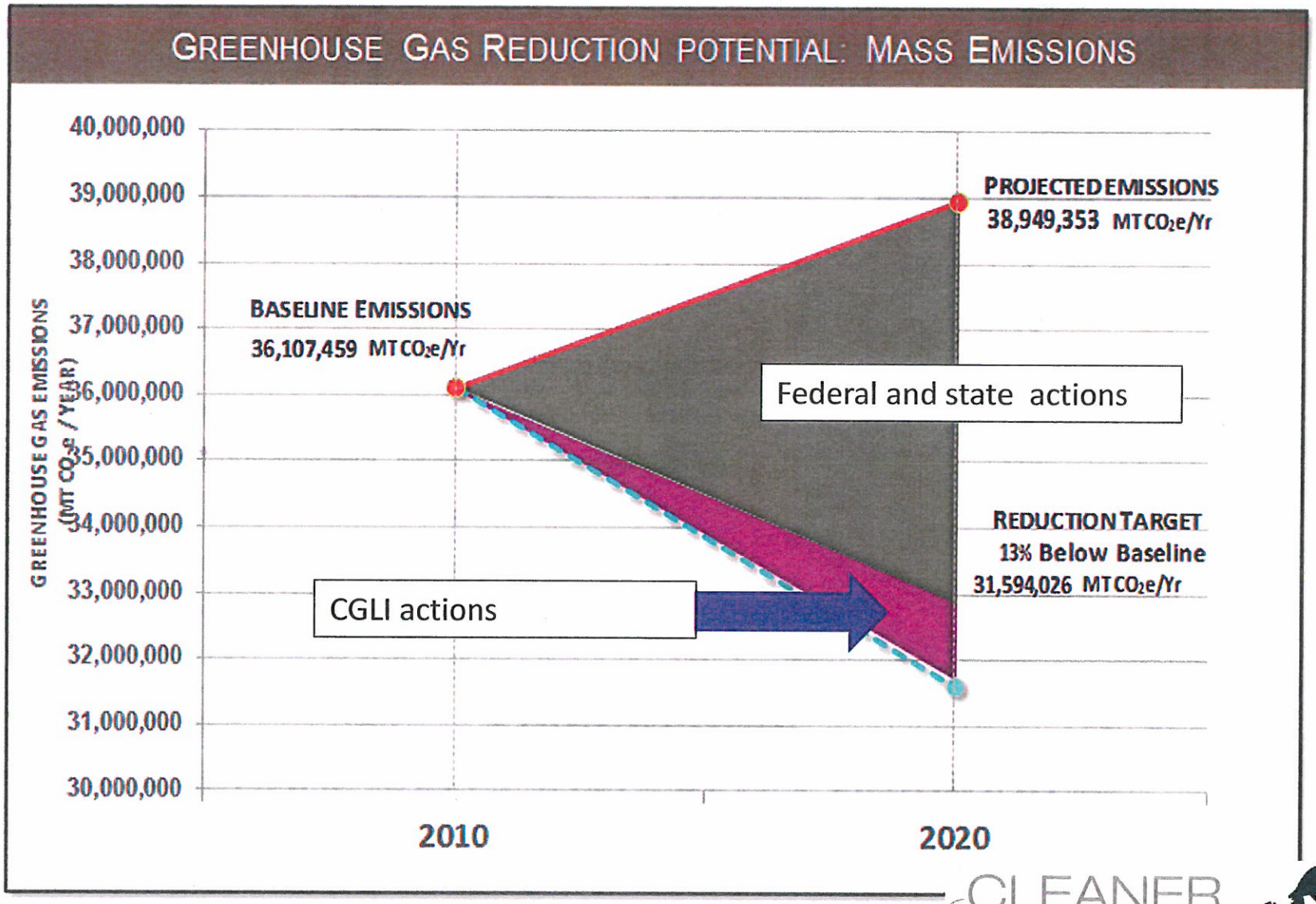

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Public Participation & Community Engagement

- 3 Planning Team meetings – Towns, Counties & other municipal and NGO leaders
- 3 Working Group meetings – over 300 community leaders
- 3 Public Meetings – Nassau, Western Suffolk & Eastern Suffolk
- Meetings with over 42 organizations - business, civic and environmental.
- Over 800 people participated in the process

www.cleanergreenerli.org