

## **Long Island Regional Sustainability Plan**

The Long Island Sustainability Plan's goals and targets are categorized by the following focus areas:

- Transportation
- Land Use
- Energy
- Water Management
- Waste Management
- Economic Development
- Governance
- Climate Change Adaptation

More detailed descriptions of each goal, target and indicator can be found in the regional sustainability plan and the indicator document—locations of those descriptions within both documents are listed within each focus area below.

### **Transportation (pages 75 – 84 in Sustainability Plan)**

#### Goals

- Improve transportation options for all Long Islanders: reduce Long Island's vehicle miles traveled, fuel consumption and GHG emissions. (Pages 79 – 83 of Sustainability Plan)

#### Targets

- Reduce Vehicle miles traveled (VMT) per capita from 22.25 miles/weekday to 20 miles/weekday by 2020. (Page 77 of Sustainability Plan, Indicator 2B)
- Increase number of registered alternative fuel vehicles from 13,000 to 25,000 by 2020. (Page 77 of Sustainability Plan, Indicator 2C)
- Increase percentage of people commuting via alternative transportation modes (walking, biking, transit, and carpooling). (Page 77 of Sustainability Plan, Indicator 2A)
  - Transit 11.% - 14% by 2020.
  - Carpooling 8.1% - 10% by 2020.
  - Walking 2.1% - 4% by 2020.
  - Biking 0.26% - 0.75% by 2020.
- Increase walk score of downtown areas from 0.52 to 0.65 by 2020. (Page 77 of Sustainability Plan, Indicator 2I)

### **Land Use (pages 85 – 94 in Sustainability Plan)**

#### Goals

- Increase the number of communities with reduced auto dependence and increased livability on Long Island. (Pages 88 – 89 of Sustainability Plan)
- Increase the amount of natural resources and protected open space on Long Island. (Pages 90 – 91 of Sustainability Plan)
- Increase the resiliency of coastal development. (Pages 92 – 93 of Sustainability Plan)

#### Targets

- Reduce land consumption from 0.17 acres per capita to 0.15 acres per capita by 2020. (Page 86 of Sustainability Plan, Indicator 3A)
- Increase available parkland per capita from 0.06 acres per capita to 0.09 acres per capita by 2020. (Page 86 of Sustainability Plan, Indicator 3G)

## **Energy (pages 51 – 74 in Sustainability Plan)**

### **Goals**

- Improve energy efficiency of existing residential building stock. (Pages 58 – 60 of Sustainability Plan)
- Improve energy efficiency of existing commercial building stock. (Pages 61 – 63 of Sustainability Plan)
- Improve energy efficiency of new building stock. (Pages 64 – 65 of Sustainability Plan)
- Double local renewable energy generation by 2020. (Pages 66 – 69 of Sustainability Plan)
- Lead by example and improve energy efficiency of municipal buildings, fleets and other operations (20% by 2020). (Pages 70 – 71 of Sustainability Plan)
- Increase market penetration of electric, plug-in hybrid, and other low-carbon alternative fuel vehicles (30% by 2020). (Pages 72 – 73 of Sustainability Plan)
- Encourage innovation and adoption of 21st century technologies that increase the capabilities of the electric grid. (Page 74 of Sustainability Plan)

### **Targets**

- Reduce regional energy consumption per capita by 10%. (Page 55 of Sustainability Plan, Indicator 1A)
- Reduce GHG emissions per dollar of gross regional product (GRP). (Page 55 of Sustainability Plan, Indicator 9B)
  - Reduce by 15%; from .27 kg CO<sub>2</sub>e/\$ GRP to 0.23 kg CO<sub>2</sub>e/\$ GRP.
- Regional electricity grid fuel mix. (Page 55 of Sustainability Plan, Indicator 1D)
  - Reduce peak demand by 520 MW by 2018.
  - Increase renewable energy production from 3% to 16.5% by 2020.
- Reduce in annual energy use per end use. (Page 55 of Sustainability Plan, Indicator 1E)
  - Achieve a 776,000 mWh reduction by 2020 (Based on LIPA Efficiency Long Island (ELI) target for 2018, combined with Plan strategies).

## **Water Management (pages 105 – 116 in Sustainability Plan)**

### **Goals**

- Work together to preserve the region's sole source aquifer and maintain it in a sustainable way. (Pages 108 – 110 of Sustainability Plan)
- Reduce water consumption. (Pages 111 – 112 of Sustainability Plan)
- Increase wastewater pollution control. (Pages 113 – 114 of Sustainability Plan)
- Control flooding and surface water pollution from stormwater runoff. (Pages 115 – 116 of Sustainability Plan)

### **Targets**

- Reduce regional water demand per capita from 135 gallons/day to 120 gallons/day by 2020. (Page 106 of Sustainability Plan, Indicator 5A)
- Reduce amount of impaired waterways in region from 67 to 64 by 2020. (Page 106 of Sustainability Plan, Indicator 5B)

## **Waste Management (pages 95 – 104 in Sustainability Plan)**

### **Goals**

- Reduce the amount of municipal solid waste generated. (Pages 98 – 100 of Sustainability Plan)
- Develop localized facilities to reduce volume of organics transported to landfills and increase energy capture. (Pages 101 – 102 of Sustainability Plan)
- Increase the amount of locally recycled non-organics. (Page 103 of Sustainability Plan)
- Promote energy efficiency throughout waste management processes and systems. (Page 104 of Sustainability Plan)

### **Targets**

- Reduce per capita waste disposal rate from 0.8 tons/year to 0.6 tons/year by 2020. (Page 96 of Sustainability Plan, Indicator 4A)
- Increase amount of solid waste diverted (i.e. not landfilled or exported) per capita per year. (Page 96 of Sustainability Plan, Indicator 4B)
  - Increase recycling and composting from 0.13 to 0.16 tons per capita per year by 2020.
  - Reduce waste to energy from 0.5 to 0.4 tons per capita per year by 2020.

**Economic Development (pages 33 – 50 in Sustainability Plan)**

**Goals**

- Improve housing and transportation affordability by providing incentives for workforce housing and commercial buildings that are location efficient, affordable and green; thereby creating jobs for local contractors and local labor. (Pages 40-41 of Sustainability Plan)
- Support a green innovation economy and local jobs by retaining, growing and attracting green business clusters. (Pages 40-41 of Sustainability Plan)
- Support a green innovation economy and local jobs through green business designations and marketing. (Pages 40-41 of Sustainability Plan)
- Promote high-value jobs through green workforce development. (Pages 40-41 of Sustainability Plan)
- Advance Superstorm Sandy recovery and rebuilding to manage future economic risks. (Pages 40-41 of Sustainability Plan)

**Targets**

- Housing and Transportation Affordability Index—reduce amount of Long Island residents that have unaffordable levels of housing and transportation expenses from 95% to below 90% by 2020. (Page 38 of Sustainability Plan, Indicator 6A)
- Reverse the decline of employment in key employment sectors such as Construction and Manufacturing by 2020. (Page 38 of Sustainability Plan, Indicator 6B)

**Governance (pages 117 – 120 in Sustainability Plan)**

**Goals**

- Promote regional coordination of sustainability planning and implementation. (Pages 119 – 120 of Sustainability Plan)

**Targets**

- Number of Climate Smart Communities in Long Island—achieve designation for 1 County, 8 Towns, 4 Villages and 1 City by 2020. (Page 118 of Sustainability Plan, Indicator 8A)

**Climate Change Adaptation (pages 121 – 132 in Sustainability Plan)**

**Targets**

- Increase the number of communities participating in the Community Rating System program to 100% of LI municipalities by 2020. (Page 126 of Sustainability Plan, Indicator 7B)