

## **Mid Hudson Regional Sustainability Plan**

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

- Transportation
- Waste Management
- Climate Change Adaptation
- Land Use
- Water Management
- Energy
- Agriculture

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 4-1 – 4-37 of Sustainability Plan)**

#### **Goals**

- Reduce transportation fuel consumption and GHG emissions. (Page 4-22 of Sustainability Plan)
- Improve the safety, integrity and resilience of regional infrastructure for all users. (Page 4-22 of Sustainability Plan)

#### **Targets**

- Reduce Vehicle miles traveled (VMT) per capita from 23.1 billion miles annually to: (Page 4-25 – 4-26 of Sustainability Plan, Indicator 2B)
  - 22 billion by 2020; 19 billion by 2035; 15 billion by 2050.
- Reduce transportation fuel use (MBtu) per capita from 79 MBtu per capita to: (Page 4-25 – 4-26 of Sustainability Plan, Indicator 2D)
  - 67 by 2020; 55 by 2035; 39 by 2050.
- Reduce gallons of gasoline sold per registered vehicle, from 482 gallons per vehicle annually to: (Page 4-25 – 4-26 of Sustainability Plan, Indicator 2D)
  - 440 by 2020; 320 by 2035; 240 by 2050.
- Reduce transportation GHG emissions per capita from 5.19 metric tons per year to: (Page 4-25 – 4-26 of Sustainability Plan, Indicator 2D)
  - 4.55 by 2020; 3.35 by 2035; 2 by 2050.
- Reduce active vehicles per 1,000 people from 743 to: (Page 4-25 – 4-26 of Sustainability Plan, Indicator 2G)
  - 730 by 2020; 650 by 2035; 500 by 2050.
- Increase percentage of people commuting via alternative transportation modes (walking, biking, transit, and carpooling) from 8% to: (Page 4-25 – 4-26 of Sustainability Plan, Indicator 2A)
  - 8.5% by 2020; 9% by 2035; 9.5% by 2050.
- Reduce Hudson River bridge crossings per registered vehicle from 60.4 crossings per year to: (Page 4-25 – 4-26 of Sustainability Plan, Indicator N/A)
  - 58 by 2020; 55 by 2035; 50 by 2050.
- Annual commercial truck traffic at all toll barriers in the Region from 7.7 million to: (Page 4-25 – 4-26 of Sustainability Plan, Indicator 2H)
  - 7.5 million by 2020; 7.3 million by 2035; 7 million by 2050.

## **Waste Management (pages 6-1 – 6-21 of Sustainability Plan)**

### **Goals**

- Reduce the volume of solid waste generated. (Page 6-12 of Sustainability Plan)
- Increase the proportion of material diverted from landfills and incinerators via reuse, recycling, composting and other organic recycling methods. (Page 6-13 of Sustainability Plan)
- Reduce Transportation and Demolition (T&D) cost. (Page 6-13 of Sustainability Plan)

### **Targets**

- Reduce Per capita MSW disposal (lbs/person/day) from 3.7 lbs/day to: (Page 6-13 of Sustainability Plan, Indicator 4A)
  - 1.7 by 2020; 0.5 by 2035; 0.3 by 2050.
- Increase Recycling Rate from 42% of waste diverted from landfill to: (Page 6-13 of Sustainability Plan, Indicator 4B)
  - 50% by 2020; 75% by 2035; 95% by 2050.
- Reduce GHG emissions from waste management activities (350204 MTCO<sub>2</sub>e/year) by: (Page 6-13 of Sustainability Plan, Indicator N/A)
  - 20% by 2020; 50% by 2035; 80% by 2050.

## **Climate Change Adaptation (pages 4-22, 5-15 of Sustainability Plan)**

### **Goals**

- Improve the safety, integrity and resilience of regional infrastructure for all users. (Page 4-22 of Sustainability Plan)

### **Targets**

- Manage percent of the passenger rail network located in 100-year floodplain and SLOSH zones. (Page 4-26 of Sustainability Plan, Indicator 7D)
  - 26.7% by 2020; 26.7% by 2035; 20% by 2050.
- Reduce miles of roads in 100-year floodplain and SLOSH zones from 244 miles to: (Page 4-26 of Sustainability Plan, Indicator 7D)
  - 244 by 2020; 220 by 2035; 200 by 2050.
- Reduce population (evenly distributed within a Census tract) residing within a FEMA 100-year floodplain or SLOSH zone from 240,404 people to: (Page 4-26 of Sustainability Plan, Indicator 7O)
  - 240,404 by 2020; 220,000 by 2035; 200,000 by 2050.

## **Land Use (pages 4-1 – 4-37 of Sustainability Plan)**

### **Goals**

- Strengthen centers supported by transit. (Page 4-21 of Sustainability Plan)
- Create complete communities. (Page 4-21 of Sustainability Plan)

### **Targets**

- Reduce acres of urbanized land per capita from 0.31 acres to: (Page 4-25 – 4-26 of Sustainability Plan, Indicator 3L)
  - 0.30 by 2020, 0.25 by 2035, 0.20 by 2050.
- Increase percent of population and jobs in centers supported by transit from 48% of population and 54% of jobs to: (Page 4-25 – 4-26 of Sustainability Plan, Indicator 2F)
  - 52% of population, 56% of jobs by 2020; 56% of population, 58% of jobs by 2020; 60% of population, 60% of jobs by 2020.
- Increase share of new housing units built in multi-family (5+ units) buildings from 20% to: (Page 4-25 – 4-26 of Sustainability Plan, Indicator 3K)
  - 22% by 2020; 28% by 2035; 35% by 2050.
- Increase percentage of people living within one half mile of a park from 61% to: (Page 4-25 – 4-26 of Sustainability Plan, Indicator 3G)
  - 62% by 2020; 64% by 2035; 68% by 2050.

## **Water Management (pages 8-1 – 7-23 of Sustainability Plan)**

### **Goals**

- Increase Available Water Supply by Reducing Water Consumption. (Page 8-16 of Sustainability Plan)
- Reduce Energy Use and GHG Emissions at Water and Wastewater Treatment Facilities. (Page 8-16 of Sustainability Plan)
- Improve the Reliability of Water Treatment and Distribution Systems and Wastewater Treatment and Collection Systems. (Page 8-16 of Sustainability Plan)
- Reduce Impervious Surface Cover and Connect Permeable Surfaces to Infiltrate and Treat Stormwater. (Page 8-16 of Sustainability Plan)
- Protect Habitat and Water Quality. (Page 8-16 of Sustainability Plan)
- Encourage Watershed Management Planning. (Page 8-16 of Sustainability Plan)

### **Targets**

- Reduce per capita water withdrawals for domestic self-supply by: (Page 8-17 of Sustainability Plan, Indicator 5A)
  - 25% by 2020; 45% by 2035; To Be Determined by 2050.
- Reduce per capita water withdrawals for public supply by: (Page 8-17 of Sustainability Plan, Indicator 5A)
  - 25% by 2020; 45% by 2035; 60% by 2050.
- Reduce energy use per gallon of wastewater by: (Page 8-17 of Sustainability Plan, Indicator 5C)
  - Reduce by 10% by 2020; Reduce by 25% by 2035; Reduce by 40% by 2050.
- Reduce annual expenditure per volume of potable water treated by: (Page 8-17 of Sustainability Plan, Indicator 6L)
  - Hold at Current by 2020; 20% by 2035; TBD by 2050.
- Reduce annual expenditure per volume of wastewater treated by: (Page 8-17 of Sustainability Plan, Indicator 6L)
  - Hold at Current by 2020; 20% by 2035; TBD by 2050
- Reduce percentage of assessed 303(d) streams/water bodies that are impaired from 25% to: (Page 8-17 of Sustainability Plan, Indicator 5B)
  - 20% by 2020; 10% by 2035; 5% by 2050.
- Increase percent of streams assessed under bio-monitoring program from 23% to: (Page 8-17 of Sustainability Plan, Indicator 5M)
  - 35% by 2020; 70% by 2035; 100% by 2050.
- Reduce HUC 12 watersheds with >10% impervious cover: (Page 8-17 of Sustainability Plan, Indicator 5I)
  - Hold at Current (18) by 2020; Reduce by 20% by 2035; TBD by 2050.

## **Energy (pages 5-1 – 5-25 of Sustainability Plan)**

### **Goals**

- Become radically less energy and fossil fuel intensive while strengthening the regional economy. (Page 5-15 of Sustainability Plan)
- Expand renewable generation exponentially as an energy source across the region. (Page 5-15 of Sustainability Plan)
- Improve the resilience of the energy delivery system throughout the region. (Page 5-15 of Sustainability Plan)

### **Targets**

- Reduce regional energy consumption per capita by: (Page 5-16 of Sustainability Plan, Indicator 1A)
  - 15% by 2020; 30% by 2035; 50% by 2050.
- Reduce Stationary fossil fuel use (MMBtu) per capita by: (Page 5-16 of Sustainability Plan, Indicator 1C)
  - 15% by 2020; 30% by 2035; 50% by 2050.
- Reduce stationary fuel consumption GHG emissions (MTCO<sub>2e</sub>) by: (Page 5-16 of Sustainability Plan, Indicator 9A, 9C)
  - 15% by 2020; 40% by 2035; 65% by 2050.
- Increase installed renewable capacity (MMBtu) per capita (Page 5-16 of Sustainability Plan, Indicator 1B)
  - 200% by 2020; 2000% by 2035; 20000% by 2050.

## **Agriculture (pages 7-1 – 7-25 of Sustainability Plan)**

### **Goals**

- Increase Agriculture and Silviculture Activities in the Region. (Page 7-16 of Sustainability Plan)
- Improve Access to Sustainable Agriculture and Silviculture Training and Technologies. (Page 7-17 of Sustainability Plan)
- Increase Intra-Regional Consumption of Food and Fiber. (Page 7-17 of Sustainability Plan)
- Reduce Energy Use and GHG Emissions from Farm and Farm-Related Activities. (Page 7-17 of Sustainability Plan)
- Strengthen the Economic Viability of Agriculture/Silviculture in the Region. (Page 7-17 of Sustainability Plan)
- Increase Open Space. (Page 7-17 of Sustainability Plan)
- Protect Wildlife and Maintain Biodiversity. (Page 7-17 of Sustainability Plan)

### **Targets**

- Increase Acres of Farm Land from 323,154 acres to: (Page 7-18 of Sustainability Plan, Indicator 10A)
  - 332700 by 2020; 342700 by 2035; 352000 by 2050.
- Increase Number of Farms from 2,321 to: (Page 7-18 of Sustainability Plan, Indicator 10C)
  - 2369 by 2020; 2440 by 2035; 2520 by 2050.

