



The Village of Park Forest & Sustainability

Mayor John Ostenburg

Metropolitan Mayors Caucus

Environment Committee

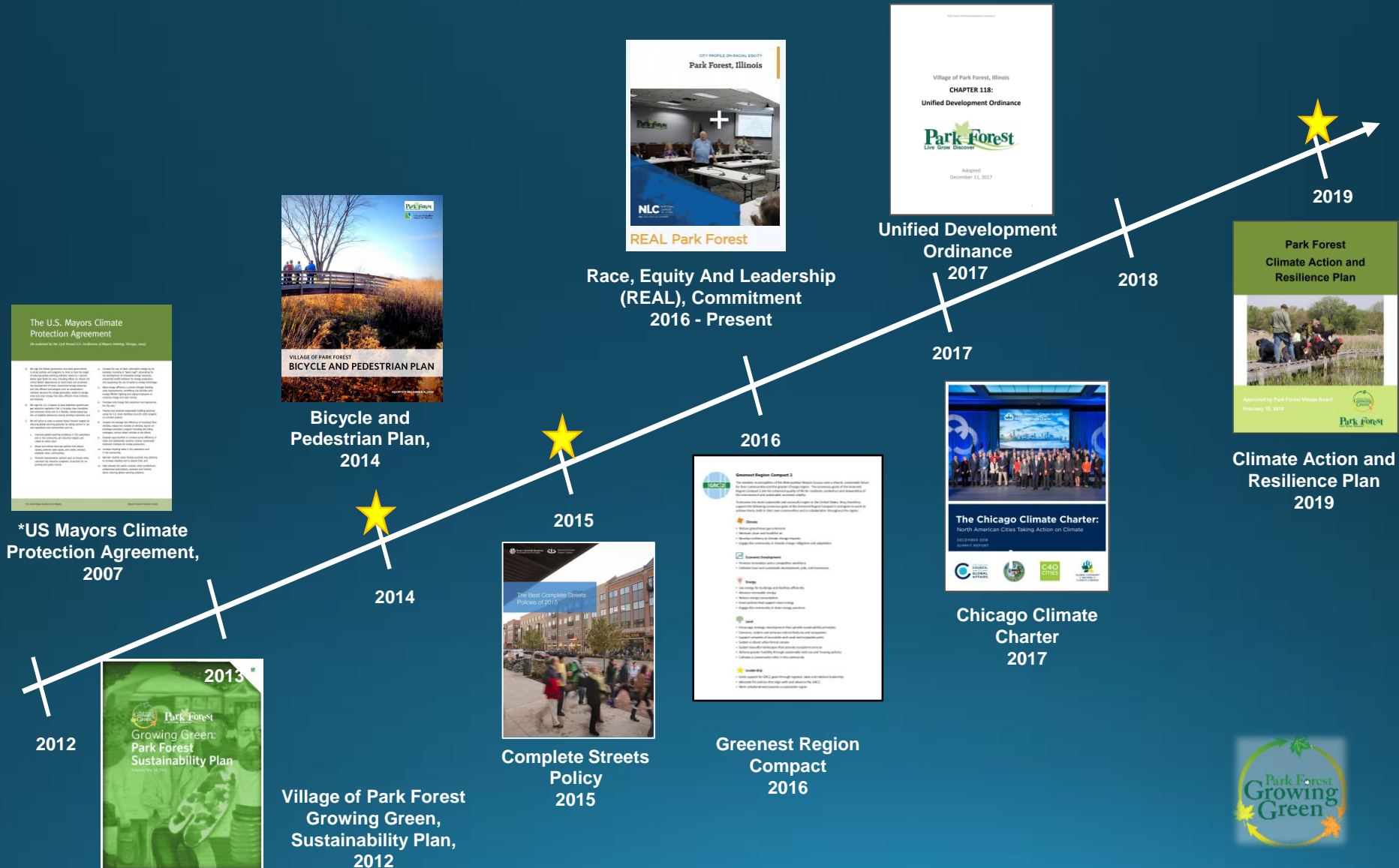
April 16, 2019



Agenda

- Sustainability Commitments, Ordinances and Plans
- Evaluations and Awards
- Highlights of Current Programs and Plans
 - Bike and Ped Plan
 - Complete Streets
 - Community Garden Program
 - Climate Action and Resilience Plan
 - GHG Inventory & Future Goals
- Current and Ongoing Sustainability Initiatives
- Conclusion & Questions

Sustainability Commitments, Ordinances and Plans



Community Evaluations & Awards

- ★ **2014** – Sustainability Tools for Assessing and Rating (STAR) Communities Name the Village of Park Forest a STAR Leadership Community
- ★ **2015** – Village of Park Forest receives a 3-STAR rating from the STAR (Version 1.1) Rating System
- ★ **2019** – Village of Park Forest receives a 4-STAR rating from the STAR (Version 2.0) Rating System & is now a LEED Certified Community



Bicycle and Pedestrian Plan

Main Goals of the Plan

- Develop a comprehensive non-motorized transportation network that will serve the needs of all Park Forest residents
- Allow for safe travel at all ages,
- Connect neighborhoods to jobs, shopping, regional bikeways, cultural facilities, recreational amenities and activity areas.

Adopted by the Board of Trustees in
December 2014.

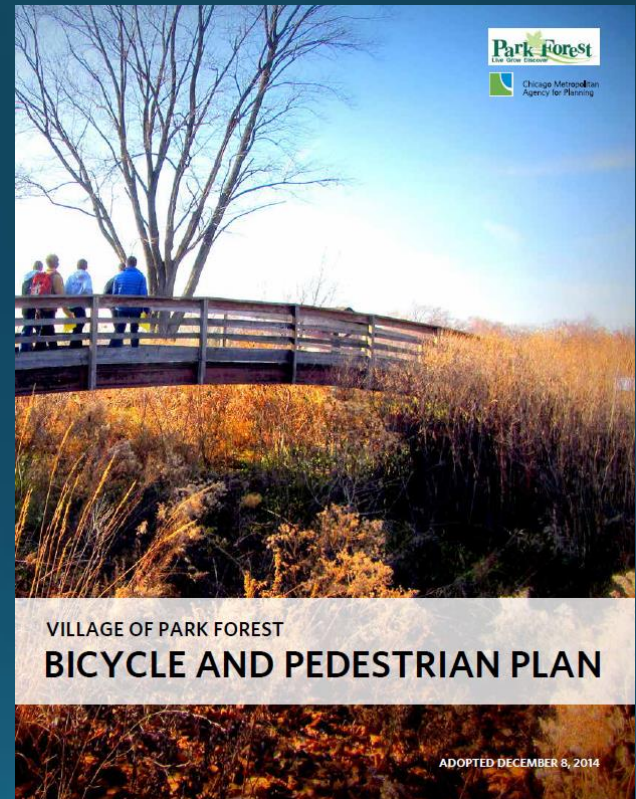
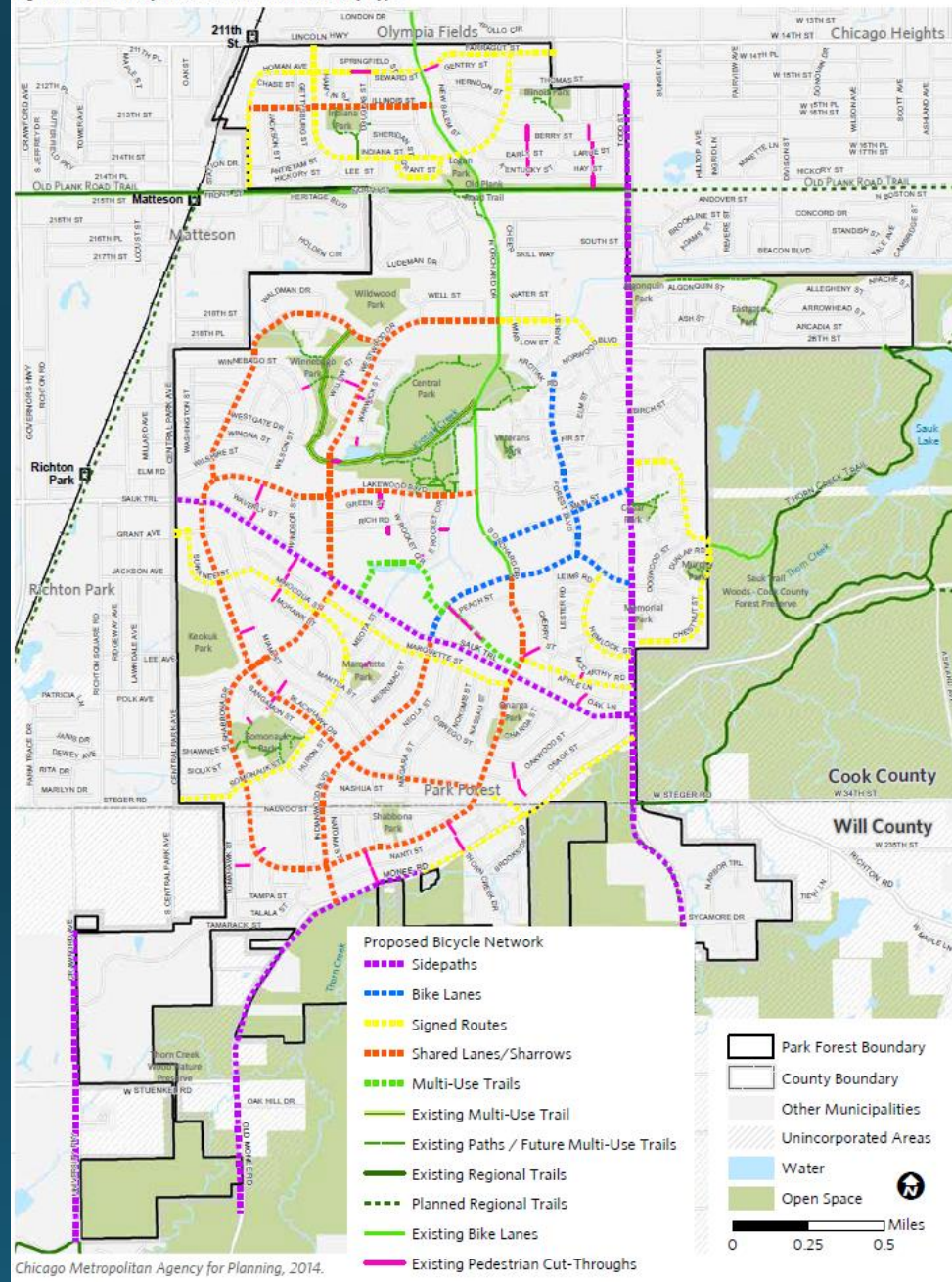


Figure 4.1 Future Bicycle and Pedestrian Network by Type



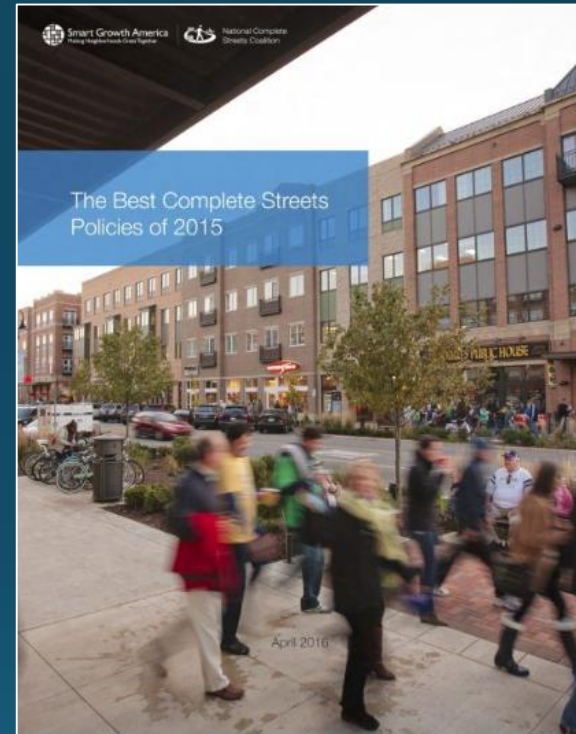
Proposed Bicycle Network

- Sidepaths
- Bike Lanes
- Signed Routes
- Shared Lanes/Sharrows
- Multi-Use Trails
- Existing Multi-Use Trail
- Existing Paths / Future Multi-Use Trails
- Existing Regional Trails
- Planned Regional Trails
- Existing Bike Lanes
- Existing Pedestrian Cut-Throughs

Figure 4.1: Future Bicycle Network
Source: Bicycle and Pedestrian Plan
December, 2014

Complete Streets Policy

- Adopted in 2015
- Creates an integrated transportation system that supports safe travel for people of all ages and abilities
- Tied for the 3rd Best Complete Streets Policy in 2015 according to Smart Growth America (Other 3rd Place cities were South Bend, IN and Londmeadow, MA) out of 82 policies nationwide





Residential Mid-Block Cut Throughs



Community Garden Program

- **Mission:** The Park Forest Community Garden Program seeks to **engage community members** in the transformation of land into productive garden spaces while **improving the overall quality of life for all residents** through neighborhood beautification, community building, and greater access to affordable, nutritious, locally-produced foods.

- **Background:**
 - Victory Gardens
 - Park Forest Allotment-Style Garden
 - New Initiative



Community Garden Program

- Residents can garden on Village-owned lots located throughout the Village
- \$250 available from Village for reimbursement of gardening related expenses (excluding purchase of tools)
- Gardeners commit to maintaining entire lot during growing season
- \$100 grants are also available for gardens located on non-Village owned properties (schools, churches)
- Resource information available on Village web site



Climate Action and Resilience Plan

- Planning started early 2018
- Result of Signed Charters, Compacts, Plans and the will of the people of Park Forest
- Some Goals Have already been achieved
- Gives Guidance to future decision-making within the Village

Open Spaces and Ecosystems

Water and Wastewater Management

Waste Reduction and Recycling

Transportation

Energy Efficiency and Buildings

Energy consumed in residential buildings accounts for 39 percent of GHG emissions in the Village in 2015, while the energy consumption from non-residential buildings accounts for 16 percent of CO₂e emissions. The community's consumption of energy in buildings altogether accounted for 55 percent of GHG emissions. Improving the energy efficiency of all buildings in Park Forest will contribute significantly to achieving the Village's GHG reduction target, while saving residents and businesses money on utility bills and reducing the need for new infrastructure. The Focus Area identifies opportunities to retrofit existing public and private buildings, educate residents and businesses about how they can increase energy efficiency, create opportunities for alternative energy generation, and ensure that future activities in this sector are compatible with the community's climate resilience goals.

Note that new construction is not directly addressed in this Plan because the Village has addressed this element in a variety of ways. In November 2016, the Mayor and Board of Trustees approved updates to the following construction codes: International Green Construction Code (2016), International Energy Conservation Code (2018), and the Green Building Code (2015). Further, the Village's adoption of the Unified Development Ordinance in 2017 ensures that new development will be compatible with sustainable development patterns.

Objective	Community/ Government	Co-Benefit	Reduction Potential
1. Achieve a 20% reduction in energy use in existing residential buildings by 2025.	Both		
2. Achieve a 10% reduction in energy use in existing commercial and industrial buildings by 2025.	Both		
3. Achieve a 25% reduction in energy use in Village-owned and other public buildings by 2025.	Government		
4. Encourage the production and use of clean, local energy.	Both		

Objective 1 – Energy in Households

Achieve a 20% reduction in energy use in existing residential buildings by 2025.

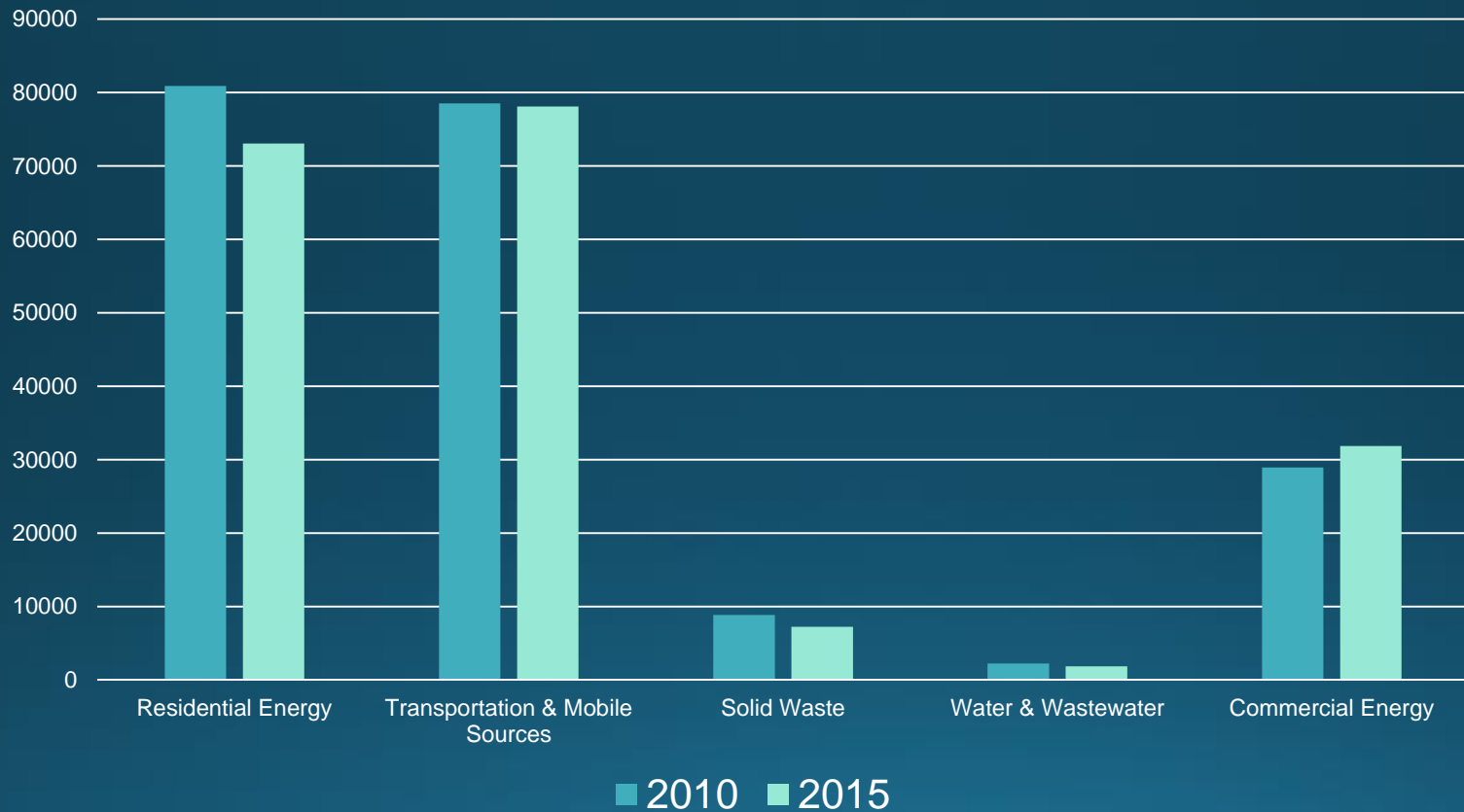
Strategy E1A	Modify energy use behavior and habits	Lead & Partner	Reduction Potential
Implementation Actions Needed:	Develop an energy efficiency campaign to encourage modifying energy use behavior and habits.	VPF, DCD, EC	

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Focus Areas Within the Climate Action Plan,
Climate Action and Resilience Plan, 2019

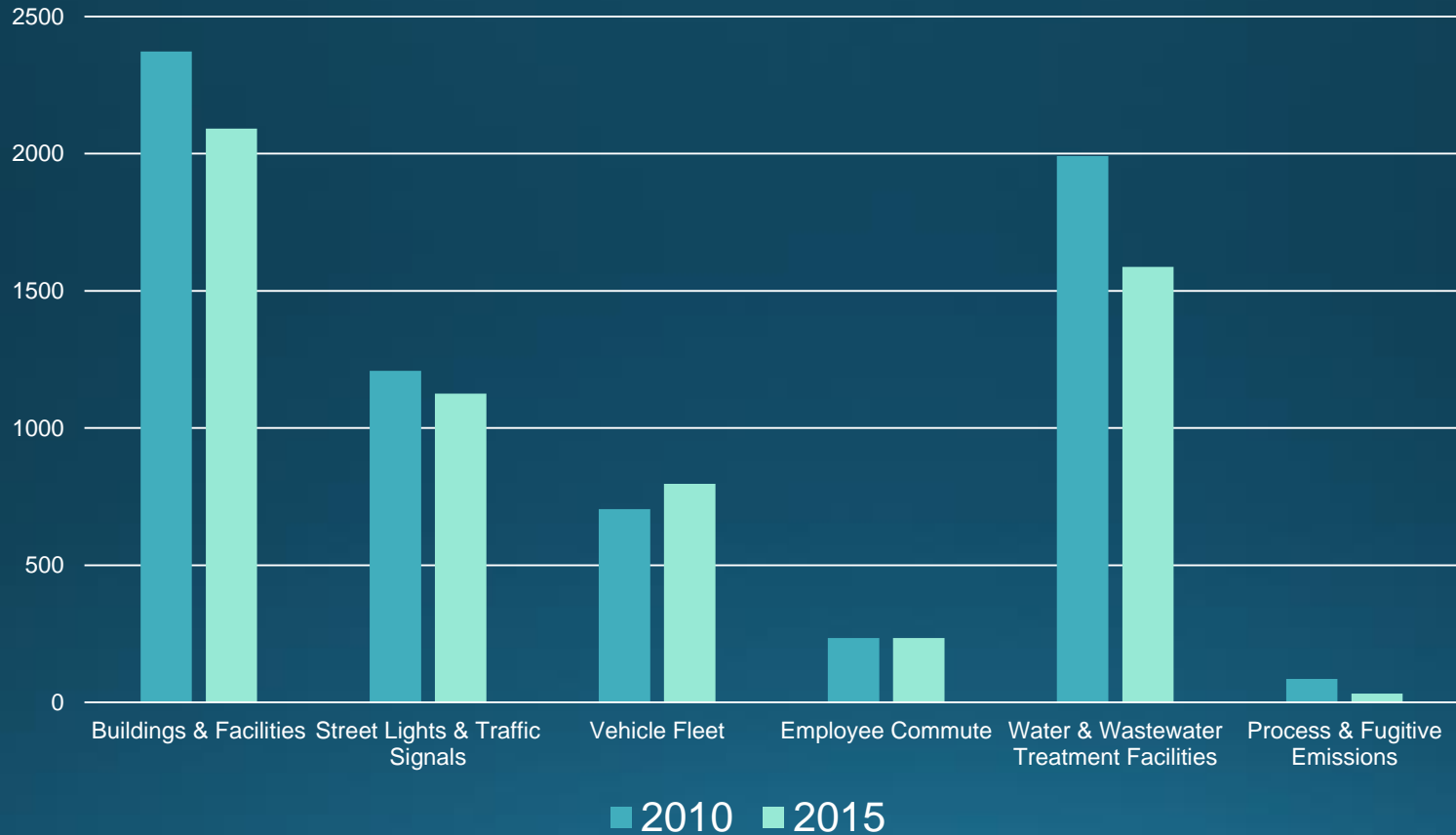
GHG Inventory Results

Community CO₂e (MT) Emissions by Sector 2010 - 2015



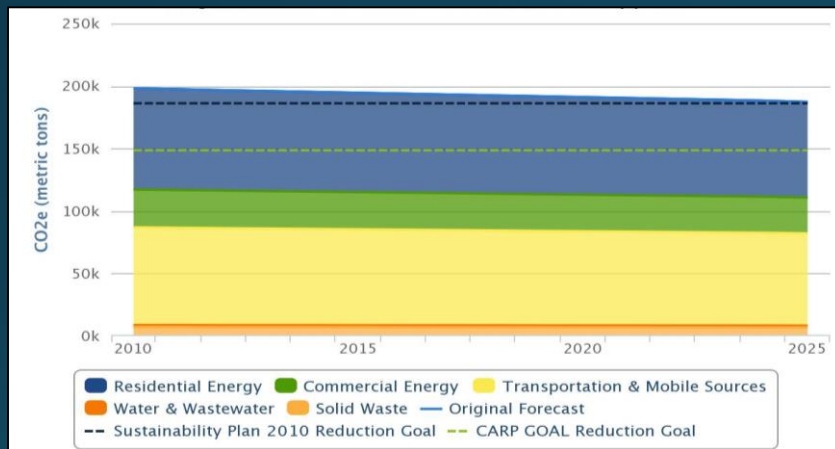
GHG Inventory Results

Government Operations CO₂e (MT) Emissions by Sector 2010 - 2015

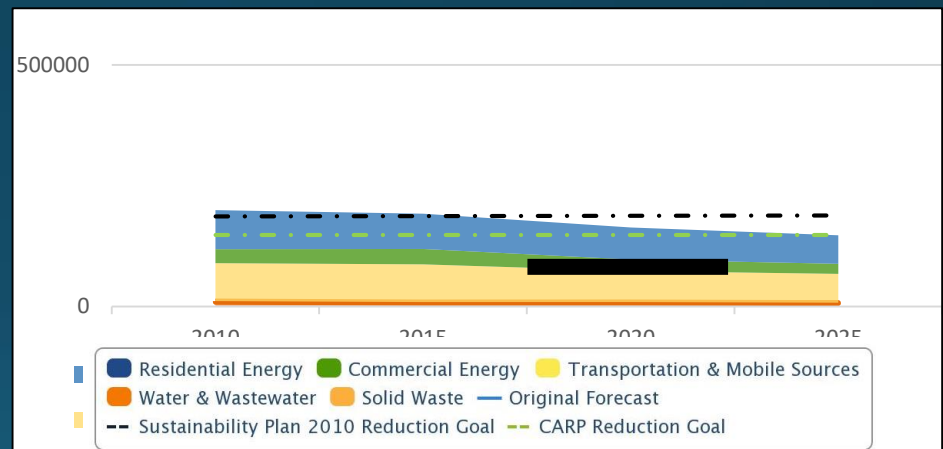


GHG Reduction Target

- The CARP has set a target to reduce community-wide GHG emissions by 26 percent below 2010 levels by 2025



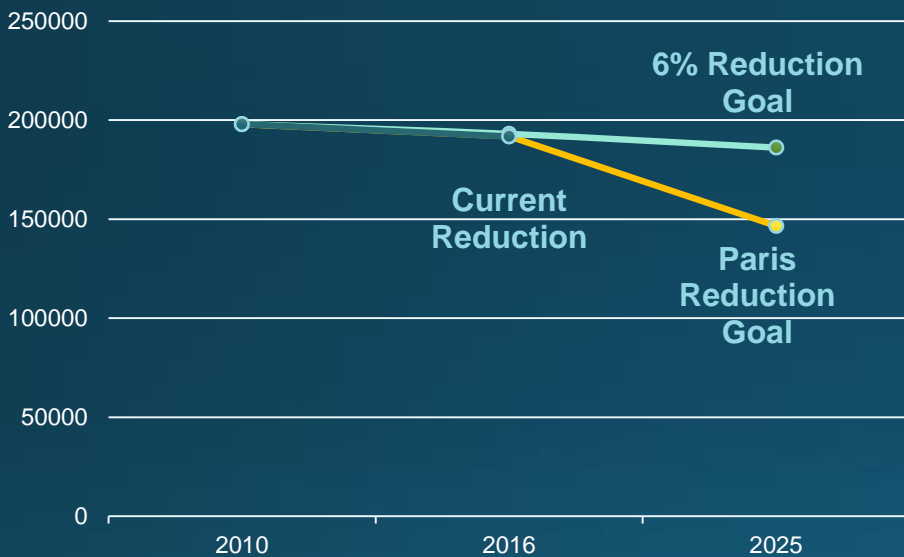
Projected GHG Emissions in Park Forest, Illinois



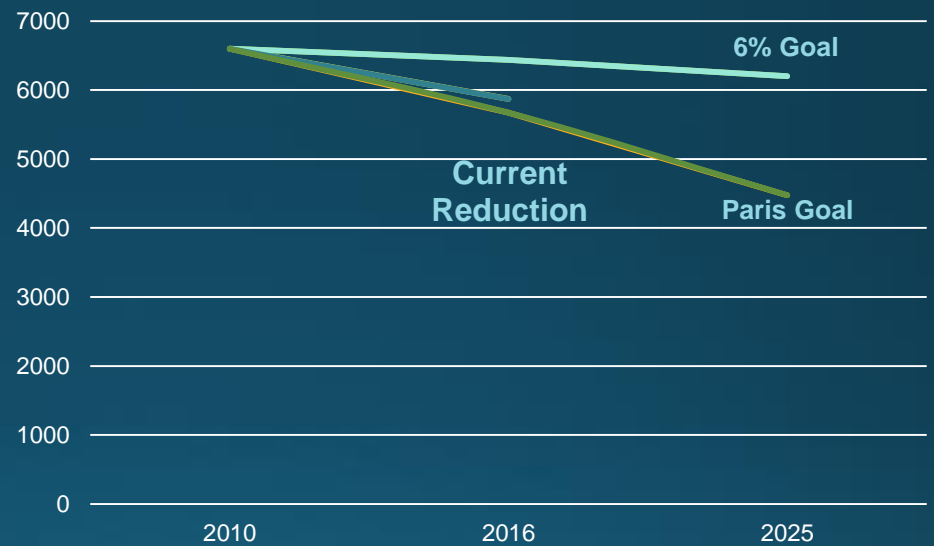
CARP's Projected Impact on GHG Emissions

GHG Emission Goals

Community GHG Emissions



Government Operations GHG Emissions



Current Sustainability Initiatives



Reduced Pounds
of Solid waste

+20K



Number of Trees
Saved

130



Gallons of Water
Conserved

**3.2
Million**



Reduced Pounds of
Greenhouse Emissions

+51K



Number of
Books Saved
from the Landfill

2655

Growing Green Recycle Fest 2018 Accomplishments

Current Sustainability Initiatives

Park Forest LED Program Upgrade Program

- Will have approximately \$3800 in cost savings per year based on current energy rates on first LED upgrade alone (See Figure to the right)
- Will update these figures once we have more data from previous upgrades
- Two other upgrades have already occurred and the fourth upgrade started in the Downtown area on 26 February 2019

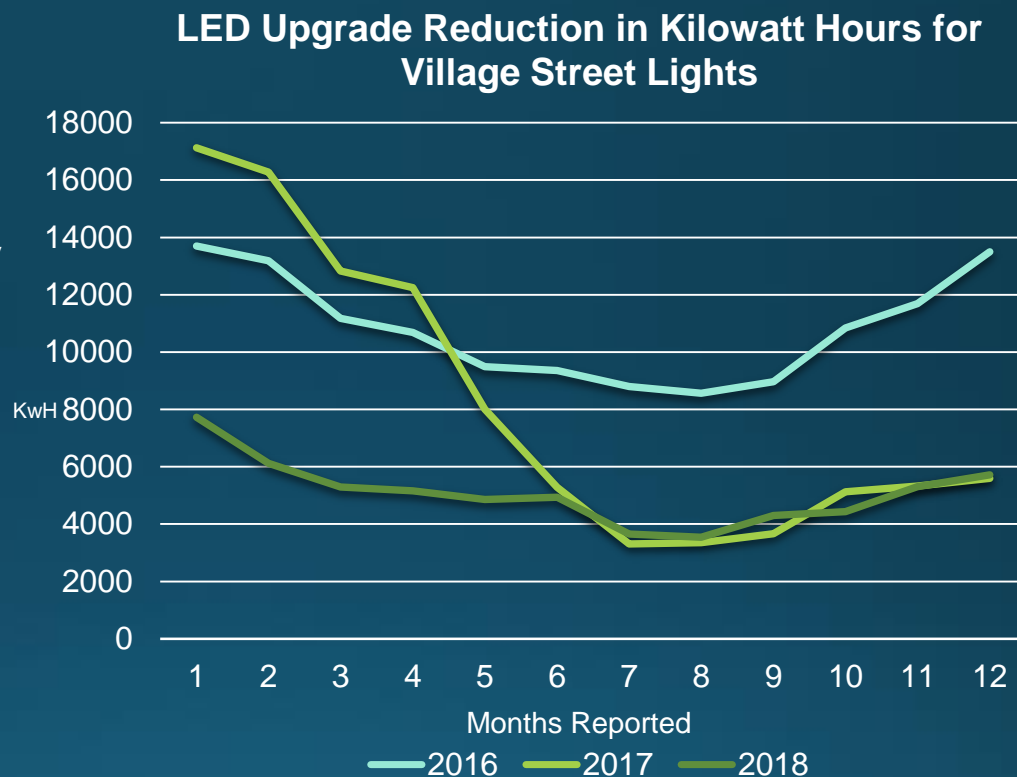


Figure 1: Kilowatt Hours used by first street lights with LED Upgrade and reduction in energy use.

Source: Village of Park Forest Electric Bills.

Current Sustainability Initiatives

Creation of the Village Green

- Created an environmentally friendly area that incorporated native plants, storm water mitigation measures and a beautiful space for residents and downtown customers to utilize
- Main Street Nights will continue to utilize this space as a venue
- Will include a recycling program this year IAW CARP OBJ R3

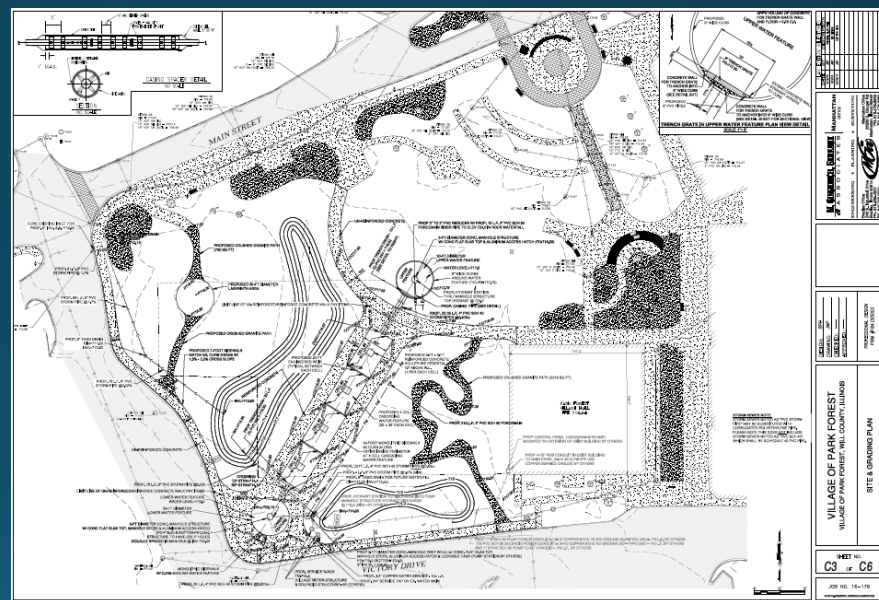


Figure 2 : Plans for the Village Green Renovations
Source: Village of Park Forest

Other Upcoming and Ongoing Sustainability Initiatives

Continue LED Upgrades for Energy Efficiency

Rain Garden Incentive Program

- Provide Residents with an incentive to put in their own Rain Gardens
 - IAW CARP - Objective Water and Waste Water Focus Area

Park Forest Resource Guide (See Right)

- Provides Places and Services for residences and business to reduce, reuse and recycle anything in the South Metro Area
 - IAW CARP Waste Reduction and Recycling Focus Area

Environmental Preferable Purchasing Policy

- Starting with Serving Ware and Paper and moving to other purchases made by the village
 - IAW CARP Waste Reduction and Recycling and Transportation Focus Areas

Storm Water Ordinance

- Will support alleviation of storm water issues that create flooding and create issues in with run-off in the nearby water shed
 - IAW CARP Adaptation Focus Area, Objective 3- Flooding and Storm Water Management

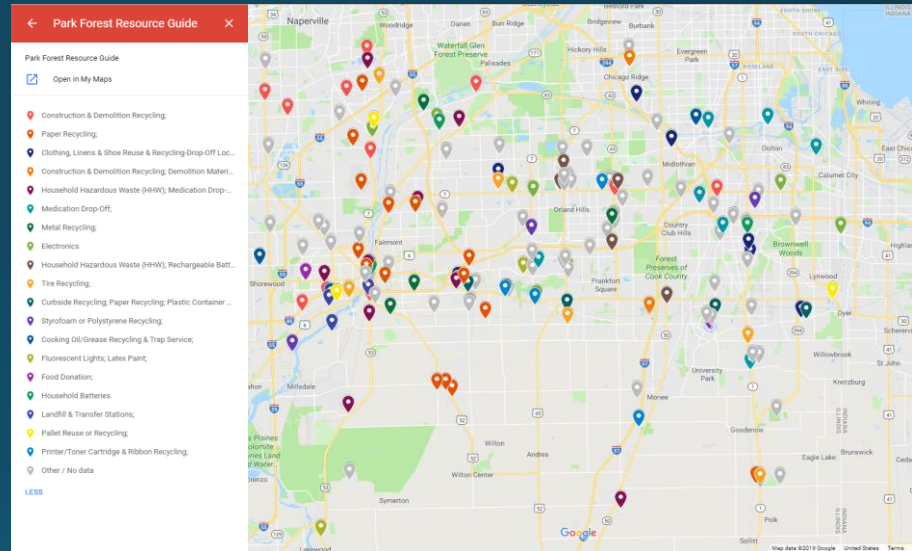


Figure 3: Preview of Online Map of Village of Park Forest Resource Guide

Questions?