



2022 SUSTAINABILITY REPORT

Village of Elk Grove

Executive Summary

The Village of Elk Grove administers many programs and policies that improve the sustainability of the community. Sustainability is the balance between environmental, community, and economic health.

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Introduction

Elk Grove Village is a thriving community with approximately 33,000 residents, located in the northwest suburbs of Chicago. The Village encompasses 11.68 square miles divided into two distinct areas: residential development in the area west of Tonne Road, with the largest consolidated business park in the United States on the east side.

The Village understands the importance of environmental stewardship and has undertaken a variety of environmental efforts. Elk Grove Village was one of the first municipalities in the State of Illinois to offer curbside recycling to its residents, beginning in November 1988. The Charles J. Zettek Municipal Complex was the first LEED-certified village hall in the State of Illinois.

Sustainability means "meeting the needs of the present without compromising the ability of future generations to meet their own needs"¹. Sustainability encompasses three spheres which are heavily interconnected: environment, community, and economy. Sustainable development seeks improvement in the health of each area and their intersections to create healthy, vibrant, and resilient communities.

An example of collaborative efforts towards sustainability in the greater Chicago region is the Greenest Region Compact (GRC2), which is comprised of member municipalities of the Metropolitan Mayors Caucus. The GRC2 created a foundational framework that consists of 10 sustainability categories and 49 high-level goals to guide municipal action. This report uses the Greenest Region Compact Framework's objectives and strategies as a frame of reference to evaluate the progress Elk Grove Village has made towards sustainability.

¹ <https://www.un.org/en/academic-impact/sustainability>

Current Practices

Climate and Energy

Burning Regulation: Village Code

It is unlawful to burn leaves, paper, rubbish, etc. in Elk Grove Village (Village Code Section 4-2-2-1). Burning yard waste and trash like paper and plastic releases toxic chemicals and other pollutants into the air, which is harmful to human health and the environment.

Fulfills: C6: Regulate burning of landscape waste

Energy Efficient Village Facilities: Elk Grove 2025 Capital Improvement Plan

In all new construction and remodeling of municipal facilities, energy-efficient features including but not limited to LED lighting and motion sensors were installed (Appendix A). LED light bulbs are more energy-efficient than traditional incandescent light bulbs, and motion sensors help to ensure that lights are only in use when necessary. This reduces the amount of electricity used by Village facilities.

Fulfills: E5: Implement energy efficiency measures that have a short-term payback (i.e. lighting, occupancy sensors)

Energy-Saving Desktop Computers

The Information Technology Department employs power-saving measures on Village desktop computers. These measures include automatic screensaver mode and Energy Star certified monitors and computers. Screensaver mode shuts off the monitor automatically when it is not in use. Energy Star certification means that an appliance is highly energy efficient. These measures help to reduce electricity consumption.

Fulfills: E18: Power down equipment when possible

Economic Development

Made in Elk Grove Expo "Excellence in Sustainability" Award

The "Excellence in Sustainability" award is one of four awards presented at the annual Made in Elk Grove Manufacturing & Technology Expo. This award is presented to Elk Grove businesses with sustainable and environmentally-conscious products, practices,

and/or facilities. Recognizing local businesses for their sustainable efforts increases the visibility of sustainable practices in business and manufacturing, which helps to foster innovation in the business community.

Recent recipients include:

- 2014: Lawrence Foods
 - Implemented a sustainability plan to reduce energy use, water use, and waste production while increasing efficiency
- 2015: FPM Heat Treating
 - Holds the only Nitrotec process license in North America, which is an environmentally-friendly plating process, and adheres to the strictest environmental standards in the aerospace engineering industry
- 2016: Iosso Products
 - Produces cleaning products that are environmentally-friendly
- 2017: Chem-Plate Industries
 - Invested in new, environmentally-friendly technology that meets the highest international standard for zero-waste
- 2018: Permatron
 - Designs and manufactures air filtration solutions that reduce environmental impacts
- 2019: Maman Corp.
 - Specializes in using sustainable construction processes and materials
- 2021: Pregis EverTec
 - Produces a fully biodegradable mailing envelope used exclusively by Amazon



Mayor Johnson presenting the 2021 Excellence in Sustainability Award to Dave Elliott of Pregis EverTec. He is joined by Olympic gold medalist Jackie Joyner-Kersey.

Fulfills: ED7: Recognize and support businesses who practice and promote sustainability

SC54: Create an award or recognition program to encourage and report sustainable actions by local businesses

Shop Elk Grove Website

The Business Development & Marketing team runs a website (shop.elkgrove.org) dedicated to helping residents discover and support local restaurants, retailers, and service providers in the community. Users can search for specific businesses and explore what Elk Grove Village has to offer via a category search or an interactive map. In May 2022, the Shop Elk Grove website was relaunched with a new design and additional features. The website now offers opportunities to become a “featured business” on the site, which increases visibility for these businesses. Promoting businesses in Elk Grove will help strengthen the local economy.



The new homepage design for the Shop Elk Grove website.

Fulfills: ED8: Promote local goods and services

Business Development & Marketing Team

The Business Development & Marketing Team is responsible for the Village's business development initiatives and overall enhancement of the economic viability of the community. This team runs many programs and special events dedicated to business attraction and retention, with a strong focus on the Village's Business Park.

Fulfills: ED11: Promote the economic prosperity of the community

Land

Public Works Department: Forestry Division Operations

The Forestry Division in the Public Works Department is dedicated to the health and maintenance of parkway trees throughout the Village. Trees are inventoried in the GIS and asset management programs used by the Public Works department (ArcGIS and Cartegraph). This makes the tree maintenance process more accurate and efficient. Additionally, residents can submit online service requests for tree health concern evaluations on both public and private trees. Each year, the Forestry Division plants trees from a variety of species to protect Village trees from widespread disease or pest infestation. In 2021, 594 parkway trees were planted and 1,186 parkway trees were trimmed. The Forestry Division also regularly evaluates tree species of concern such as ash and silver maple trees, even earning the prestigious Tree City USA Growth Award in 2021.



Fulfills: L14b: Monitor and control invasive species in natural areas* and throughout the community

L21: Conduct an inventory and assessment of trees on public right of ways

L23: Maintain the health and integrity of existing trees

L23a: Maintain the health of trees on public right of ways

L23d: Assess structural integrity of trees and proactively mitigate risks through strategic removal and other actions

L24: Plant trees to sustain and renew the urban forest

L25: Diversify the urban forest for long term resilience

*The Forestry Division does not maintain natural areas; they are only responsible for public land and parkways.

Tree City USA Recognition

Every year since 1984, the Arbor Day Foundation has recognized Elk Grove Village as a "Tree City USA". In order to receive this status, communities must meet four core standards established by the Arbor Day Foundation and the National Association of State Foresters²:

- A Tree Board or Department
- A Tree Care Ordinance
- A Community Forestry Program with an Annual Budget of at Least \$2 Per Capita



² <https://www.arborday.org/programs/treecityusa/standards.cfm>

- An Arbor Day Observance and Proclamation

Fulfills: L26: Earn recognition for urban forest stewardship as a Tree City USA

Crossing Accommodations for Migrating Turtles

The Village is home to a large population of painted and snapping turtles that live in the marsh wetland area of Busse Woods west of Beisner Road. Cook County Forest Preserve observed and received notices of turtles stuck on the side of Beisner Road struggling to get up and over the curb near Alexian Brothers Medical Center hospital and Village Point Church. Cook County Forest Preserve biologists recognized that these painted and snapping turtles follow a pattern every year in which they cross from the marsh on the west side of Beisner Road to the east side, where areas of low vegetation offer safe nesting locations.



With their knowledge of migrating patterns, a representative of FPDCC approached the Village to request an accommodation for the turtles. In 2021, the Village installed depressed curbs on Beisner Road between Gloucester Drive and Winston Drive in order to allow turtles to safely enter and exit the roadway. Signs were also posted warning motorists of wildlife crossing.

Fulfills: L14: Manage public and private landscapes to optimize ecosystem services and support biodiversity

Soil Erosion and Sedimentation Control: Village Code

Land development activities which disturb or break topsoil or movement of earth are regulated and controlled by the Village Code. The amount of land exposed at any given time, preventative control measures, and plant covering guidelines are amongst the regulations included in the Village Code. Soil erosion and sedimentation control are also regulated by the Illinois Environmental Protection Agency, the Metropolitan Water Reclamation District of Greater Chicago, and DuPage County. Village regulations are enforced by the Director of Community Development (Village Code Section 8-12-9). These regulations reduce the amount of nutrient-rich topsoil lost to wind and rainfall, and protect water quality in waterways like Salt Creek.

Fulfills: L15a: Enforce soil erosion and sediment control regulations for construction sites

Protection of Trees and Vegetation Control: Village Code

People and companies given permission to maintain poles and wires in the Village are required to keep them as far away from trees and shrubs as possible. They are also required to properly trim any trees and shrubs that are close to poles and wires (Village Code Section 8-10-2-A and 8-9-17-A). Trimming trees away from power lines protects both trees and power lines from coming into contact and damaging each other.

The Village may require that special measures be taken by utilities to preserve specimen trees or trees of special significance when installing and maintaining utility infrastructure, such as higher poles, side arm extensions, or covered wire (Village Code Section 8-8-9-17-C).

Fulfills: L23b: Collaborate with utilities to maintain trees compatible with overhead power lines
L33f: Enact and enforce a tree preservation ordinance to protect valuable trees on private property

Native Plantings at Village Facilities: Elk Grove 2025 Capital Improvement Plan

In all new construction and remodeling of municipal facilities, native plants were emphasized in the buildings' landscaping. Native plants are adapted to the local climate and soil conditions of an area, which means they require far less watering and fertilization. Native plants are also accustomed to local wildlife. They provide food for pollinators and have improved natural protection from pests. (Appendix A)

Fulfills: L30a: Use native and sustainable landscaping on municipal properties

Monarch Butterfly Initiative

Monarch butterflies are critical pollinators to our region. In the last 20 years, monarch butterfly populations have declined due to significant loss of habitat and changes in climate. The Village has launched conservation efforts to protect the species, planting 12 butterfly gardens at various locations in the Elk Grove community. The butterfly gardens include native nectar plants, garden plants, and milkweed plants. Milkweed is an essential component because monarch butterflies only lay their eggs on milkweed.

These 12 butterfly gardens are intended to aid in the recovery of the monarch butterfly population and provide a beneficial environment for other pollinators such as bees.



Monarch butterfly gardens planted at Village Green (left) and the James Paul Petri Public Works Facility (center) in 2021, and an updated photo of the Village Green garden in 2022 (right).

Fulfills: L30d: Encourage planting and registering of pollinator gardens through the Million Pollinator Garden Challenge*

*The Monarch Butterfly Initiative is not registered with the Million Pollinator Garden Challenge, but still fulfills the objective's central purpose.

Streetscaping and Aesthetic Improvement Projects: Elk Grove 2025 Capital Improvement Plan

In February 2017, the Mayor and Board of Trustees established the Elk Grove 2025 Capital Improvement Plan, which included aesthetic and streetscaping improvement plans for major thoroughfares. In 2020, the Rohlwing Road corridor deteriorated concrete median was replaced with trees, ornamental shrubs, perennials, and sod. Approximately 94 trees, 220 shrubs, and over 1,700 perennials were planted along the Biesterfield Road corridor from Rohlwing Road to Cutter Lane in 2021. These projects increased plant populations and enhanced the aesthetic appearance of the area.



Completed landscaping enhancements to Biesterfield Road (left, center) and Rohlwing Road (right).

Fulfills: L31: Maintain beautiful landscapes and streetscapes to enhance gateways, business districts and important public spaces

Gateway Aesthetic Enhancements

The Illinois Tollway reconstructed the Devon Avenue bridge as part of the Elgin O'Hare Western Access construction program. The Village of Elk Grove partnered with the Tollway to add decorative railings, parapet wall treatments, and staining.

The Illinois Tollway also reconstructed the overpass bridges at Arlington Heights Road, Busse Road, and Oakton Street as part of the I-90 rebuilding project. The Village of Elk Grove took the opportunity to distinguish itself as part of an overall marketing effort by adding façade design, staining, and community branding to the overpasses.

The Public Works Department has also installed 14 new community gateway signs and completed streetscaping projects along Busse Road. There are 3 additional gateway signs planned for updating and installation in the near future.



Community gateway sign at the Devon Avenue bridge (left), aesthetic embellishments to the Devon Avenue bridge (center) and I-90 Arlington Heights overpass (right).

Fulfills: L31: Maintain beautiful landscapes and streetscapes to enhance gateways, business districts and important public spaces

Mixed-Use Development Goal

In December 2021, the Village Board approved a purchase contract for commercial properties on the intersection of Arlington Heights Road and Higgins Road. The goal of this purchase is to create a mixed-use residential and commercial development to the area that brings new housing opportunities while retaining the businesses that are loved by the community. This location is in close proximity to multiple business and recreational locations, which will create more opportunities for walking and bicycling as a means of transportation.

Fulfills: L32a: Modify zoning and building regulations to allow mixed-use

L32b: Use zoning and development regulations in strategic locations to increase walkability

Innovation and Technology Center Zoning District Guidelines

The Village created the Innovation and Technology Center (ITC) Zoning District in 2021. This new Zoning District includes design guidelines that improve access to and within the area by foot. For example, the site and building design is required to accommodate pedestrian circulation to parking areas, plazas, open space, walking paths, and adjoining buildings. Pedestrian circulation must also be physically separated from vehicles as much

as possible to increase pedestrian safety. These guidelines make walking a safer and more convenient form of transportation and recreation.

The ITC Design guidelines also require compliance with the most up-to-date International Green Construction Code for efficiency, conservation, building performance and environmentally friendly construction techniques and systems. LEED Certification is desirable for new buildings. These guidelines ensure that new construction has a reduced impact on the environment. Additionally, at least two percent (2%) of the overall parking stalls must have electric vehicle charging capabilities. Publicly available electric vehicle charging stations make the technology more practical to use.

Fulfills: L32b: Use zoning and development regulations in strategic locations to increase walkability

SC25a: Promote green certification for private buildings

SC52: Promote green building practices

M26: Adapt building codes to accommodate and encourage alternative fuel infrastructure

Protection of Salt Creek: Village Code

Salt Creek, an important tributary to the Des Plaines River, is granted special protections by the Village Code. A "Buffer Zone" for Salt Creek and prohibited activities are defined in the Village Code to protect and improve streambank stabilization. (Village Code Section 8-10-5)

Fulfills: L33: Enact and enforce land-use policies that protect valuable natural assets and support resiliency

W44: Participate in watershed planning and stewardship efforts

Leadership

Various Recognitions Earned by the Village

The Village has sought out and successfully received recognition for its various sustainability achievements, including:

- Tree City USA Recognition
- LEED Gold Certification for Village Hall
- StormReady Community Designation
- Playful City USA Recognition

Fulfills: LS5: Seek recognition for community sustainability achievements

Mobility

2015 Village Bike Plan and 2022 Route Update

The Village adopted its first Village Bike Plan in 2015. As part of the 2022 Village Bike Plan Route Update, this plan was updated through the leadership of the Elk Grove Village Bike Plan Task Force, with input from the community. The Bike Plan seeks to enhance the existing bicycle network, improve safety for casual cyclists, and promote cycling as a viable means of both recreation and transportation.

Since the adoption of the 2015 Bike Plan, the Village has completed several infrastructure projects including new Busse Woods access points at Northwest Point Boulevard and Oakton Street; a multi-use path connection providing safe crossing of Meacham Road along Biesterfield Road; installation of a modern radar detection system for bicycles at Ridge and Devon; and bicycle/pedestrian improvements at the intersection of Elk Grove Boulevard and Arlington Heights Road. The 2015 Bike Plan was also used to establish a new bike path in the development of the Technology Park.

The 2022 Route Update better reflects the community's existing routes and future projects. These changes will help the Village qualify for future grant funding to support bicycle network improvements. Additionally, the implementation of newly proposed routes will help ensure that residents and visitors of the Village have access to safe and convenient bicycle routes to travel to local and regional destinations.



Ribbon-cutting ceremonies for the new bicycle/pedestrian connections at Northwest Point Boulevard and Oakton street (left) and multi-use path and pedestrian improvements along Biesterfield Road (right).

- Fulfills:* M1: Identify gaps in pedestrian and bicycle networks and barriers to active modes of travel
M2: Create a bicycle and pedestrian plan to improve connectivity in the community
M3: Implement recommendations from the bicycle and pedestrian plan
L17b: Optimize linkages between parks and open spaces

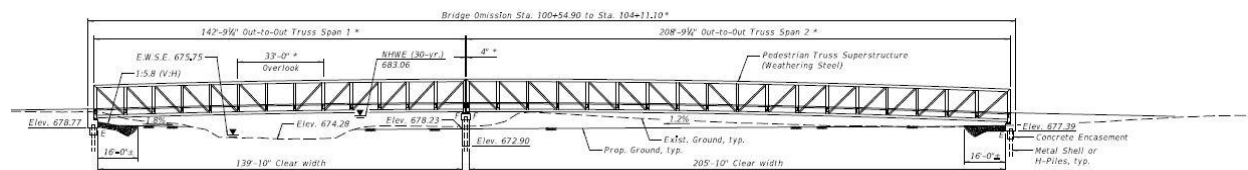
2022 Bicycle and Pedestrian Construction Projects: Meacham Sidepath and Clearmont Bridge

Cook County awarded the Village a grant of \$500,000 through the Invest in Cook program for Meacham Road corridor improvements. This project will widen sidewalks and fix ADA ramps for the benefit of pedestrians and bicyclists. The Village has also secured a \$1,667,205 grant through the Illinois Transportation Enhancement Program to replace the Clearmont Pedestrian Bridge. A 14-foot wide bridge will replace the existing 8-foot wide structure.

Currently, the bridge exists within the Salt Creek floodplain limits. When water levels in Salt Creek are high, water floods the area around the bridge and makes it inaccessible to pedestrians and bicyclists. To solve this problem, the new bridge will be twice the length of the existing structure and touches down outside the existing floodplain, which will create safer and uninterrupted access for pedestrians and bicyclists. These construction projects will improve the safety and accessibility of pedestrian and bicycle networks for local and regional residents.



Aerial view of current Clearmont Pedestrian Bridge (left) and flooding event obstructing access to the bridge (right).



Proposed design for replacement structure.

Fulfills: M1: Identify gaps in pedestrian and bicycle networks and barriers to active modes of travel

M3: Implement recommendations from the bicycle and pedestrian plan

L17b: Optimize linkages between parks and open spaces

Bicycle Parking at Municipal Facilities

Bicycle parking racks are available for use at Village Hall, the Elk Grove Village Public Library, and the Elk Grove Park District Pavilion Community Center. Readily available bicycle parking improves the practicality of bicycling as a form of transportation.



Bicycle parking rack in use at Village Hall.

Fulfills: M5: Provide bicycle parking at municipal facilities, business districts and transit stations and in neighborhoods

Anti-Idling Education

The Village of Elk Grove website (elkgrove.org), hosts a page titled "The Facts about Idling" which details the consequences of idling and actions community members can take. In the October 2010 edition of EGTV's "Inside The Village", there is an educational segment on car idling. Additionally, there are signs posted on the roads nearest all schools in the community that read "No Idle Zone: Turn Off Engine" to reduce vehicle exhaust pollution.

Fulfills: M24: Designate no idling zones at schools, transit stations, etc.

M37: Educate the community on the negative impacts on car idling

Pace Dial-A-Ride Service

Pace Dial-A-Ride is a Village subsidized program open to the general public in Elk Grove which offers curb-to-curb paratransit bus service throughout the Village, excluding the Business Park. The program is administered by the Pace Suburban Bus Service, which hires a contractor to provide the Dial-a-Ride service. Over the last 5 years, the Village has contributed an average of approximately \$200,000 in subsidies per year to help fund an average of over 15,000 trips per year. Providing ADA-accessible public transportation ensures that all residents have a means of travel within Elk Grove Village.

The Village of Elk Grove website (elkgrove.org), hosts a page titled "Pace Dial-A-Ride" which provides information on the curb-to-curb Dial-A-Ride bus service to Elk Grove

residents. The Village promotes this information to the official Facebook page and in the Villager newsletter.

Fulfills: M11: Coordinate with regional transportation agencies to maximize vehicular mobility
M35: Promote the availability of regional transit options

Municipal Operations

LEED Gold Certification for Village Hall

In 2007, the Village Board of Trustees voted unanimously in favor of constructing a LEED Certified Municipal Complex. The building was completed in 2009. LEED stands for Leadership in Energy and Environmental Design. LEED certification promotes a building-wide approach to sustainability through seven categories:

- Site Sustainability
- Water Efficiency
- Energy & Atmosphere
- Material & Resources
- Indoor Environmental Quality
- Innovation
- Location & Transportation

The Charles J. Zettek Municipal Complex performed exceptionally well in the LEED scorecard criteria of innovation, indoor environmental quality, and site sustainability, earning a LEED Gold Certification from the U.S. Green Building Council. (Appendix B)



Plaques for the LEED Gold Certification of the Elk Grove Village Administration & Public Safety Complex on display in the Police Department lobby.

Fulfills: MO5a: Achieve LEED or Green Globes certification for public buildings

New and Renovated Village Facilities: Elk Grove 2025 Capital Improvement Plan

In February 2017, the Mayor and Board of Trustees established the Elk Grove 2025 Capital Improvement Plan, which included plans for remodeling and building new Public Works facilities and Fire Stations. Facilities with a skeleton in otherwise good condition were remodeled, and those that reached the end of their design life were reconstructed. These

facilities were designed and constructed with a strong focus on sustainability and efficiency. (Appendix A)

Fulfills: MO10: Extend useful life of physical assets
MO12: Integrate sustainability into capital planning

Sanitary Sewer Rehabilitation Projects

The sanitary sewer system is regularly cleaned, repaired, and improved. Since 2015, the Village has installed approximately 40 miles of sanitary sewer lining to improve the durability of the sanitary sewer system. The last major portion of the Business Park sanitary sewer system requiring lining was the sanitary system along Busse Road, and this project was completed in 2021.

In 2010, the Village began conducting sanitary sewer rehabilitation projects to extend the life of sanitary sewer using cured-in-place-pipe (CIPP) lining instead of excavating and replacing old sewer piping. This technology involves lining the inside of sanitary sewer mains with flexible resin tubing that is then cured, creating a new, long-lasting “pipe within a pipe”. Using CIPP lining to rehabilitate sewer mains instead of replacing them is anticipated to extend the life of existing sewer mains for 50 years or longer. Recent completed rehabilitation projects include lining sewer mains along Biesterfield Road and the west side of Busse Road.

Fulfills: MO10: Extend useful life of physical assets

Preventative Road Maintenance Strategy

In 2021, the Village adopted a new, data-driven, proactive approach to road maintenance with the goal of extending the useful life of roadways. In 2020, a pavement condition analysis was conducted to evaluate the quality of the 127 miles of road under Village jurisdiction. As part of this strategy, pavement condition analyses are to be conducted every 5 years to strategically determine where and how to best utilize road maintenance resources.

Additionally, implementing regular preventative maintenance measures will allow the Village to extend the amount of time that streets remain in “good” or better condition. These measures include applying reclamite, crack sealing, and pavement patching. Reclamite is a preservative sealant that helps to reduce pavement deterioration, extending the life of the roadway by 3-5 years.

Fulfills: MO10: Extend useful life of physical assets

Hybrid Vehicles in Village Fleet

Three hybrid (Ford Interceptor SUV) vehicles were added to the Village's vehicle fleet in the past year. One was assigned to the Fire Department in October 2020 while two were added to the Police Department's patrol vehicles in early 2021. Performance of the hybrid SUV's will be compared in-depth to the performance of standard gasoline SUV's. Data will be collected and evaluated to determine if the Village will purchase more hybrid vehicles in the future. Hybrid vehicles use less gasoline and release less air pollution than conventional gas- or diesel-powered vehicles.



Hybrid police squad vehicle introduced in early 2021.

*Fulfills**: MO14e: Migrate fleet to alternate fuel vehicles

*Fulfillment of this objective is in progress, as feasibility of hybrid fleet vehicles is currently under review.

Sustainable Communities

StormReady Community Designation

Elk Grove Village achieved StormReady community designation³ by the National Weather Service. In order to receive this status, communities must:

- Establish a 24-hour warning point and emergency operations center
- Have more than one way to receive severe weather warnings and forecasts and to alert the public
- Create a system that monitors weather conditions locally
- Promote the importance of public readiness through community seminars
- Develop a formal hazardous weather plan, which includes training severe weather spotters and holding emergency exercises

Preparing well for severe weather events minimizes their impact on public safety.

Fulfills: SC8: Create a community that is resilient and well-prepared for disaster

³ <https://www.weather.gov/stormready>

Elk Grove Village Cares

Elk Grove Village Cares was launched in 2018 as a community-based strategy to combat opioid addiction.

The goal of this multi-pronged approach is to make it easier to access and remain in treatment for addiction,

strengthen the community support network, eradicate the stigma of addiction and save lives by placing opioid overdose-reversing medication in public.



While established in response to the nation-wide opioid epidemic, EGV Cares is open to anyone suffering from the disease of addiction. As of June 2022, Elk Grove Village Cares has served as an important link on the path to recovery for individuals in need, making over 105 connections to partnering treatment programs since the program began. In 2021, 24 people were assisted through the program.

Strategies for the Elk Grove Village Cares program include:

- Taking a compassion-first approach by the Elk Grove Village Police Department
- Placing of Narcan kits in public spaces
- Establishing partnerships with treatment and recovery providers
- Provide safe disposal for prescription drugs to help prevent the misuse, and abuse of prescription medications

Fulfills: SC9: Connect community members to existing services that support health and wellness

Playful City USA Recognition

Elk Grove Village was recognized as a "Playful City" in 2015 and 2016. The Playful City USA program⁴ recognizes cities that ensured children in their communities have safe, great places to play actively, especially for children of low-income households. The Village works with the Elk Grove Park District to provide innovative and accessible opportunities for all residents to play and enjoy the outdoors. For example, hosting the yearly Mid-Summer Classics Concert Series and placing well-maintained parks within walking distance of most residents presents opportunities for safe and accessible recreation for residents of all ages.

Fulfills: SC13: Support balanced, active play for families

SC13a: Become recognized as a Playful City USA

⁴ <https://kaboom.org/cities/playful-city-usa>

Play, Picnic, & Party Activities

The Village, Elk Grove Park District, and Elk Grove Public Library co-host an annual Play, Picnic, & Party special event for children in the community to participate in recreational activities at no cost. The Village sponsors interactive and educational activities such as the “Pot-A-Plant” and “Zoo to You” activities.

The “Pot-A-Plant” activity allows children to plant a flower plant in soil, take it home, and watch it grow over time. The “Zoo to You” activity provides children with a closer look at various animal species, including common animals like goats and rabbits or exotic animals like tortoises and hairless guinea pigs. These activities provide a fun experience while introducing them to different environmental concepts like how plants grow and the diversity of animal life, which can generate interest in sustainability.

The Metropolitan Water Reclamation District of Greater Chicago attended the 2022 event and distributed information about sustainability. Additionally, MWRD offered free pecan trees and compost to attendees. Offering sustainability resources at public events and at no cost to residents greatly improves access to these resources.



Families participating in the Pot-A-Plant activity (left), children meeting an exotic animal at the Zoo to You activity (center), MWRD booth featuring educational material and free compost bags (right).

Fulfills: SC13: Support balanced, active play for families

SC37: Use community festivals, lectures, workshops and other events to share information about sustainability

SC38: Distribute sustainability information and resources provided by other allied organizations and government agencies

Waste & Recycling

Employee Plastic Bag Collection Program

Village employees can recycle thin, flexible plastic items like grocery bags, newspaper bags, bubble wrap, and plastic wrap casing in collection boxes located in each department. These items are not accepted by waste haulers for recycling because they harm machinery. The program began in mid-March of 2022 to celebrate Earth Month (April) and was initiated by a Village employee in collaboration with Clean Up-Give Back, a local nonprofit. Plastic collected during the initial program was upcycled into a bench that will be placed in a Cook County Forest Preserve. Employee interest and participation in the program led to continuation of the program. As of October 2022, over 470 pounds of soft plastic has been collected and diverted away from landfills through this program.



Fulfills: WR2: Promote and practice waste reduction & recycling in municipal operations

WR14: Collaborate to provide recycling service for items not suitable for curbside pickup e.g. clothing, shoes, Christmas trees and lights

Recycling Obsolete Electronic Equipment from Village Operations

The Village recycles electronics formerly used for Village operations that are no longer functional and cannot be reused elsewhere. These electronics are typically recycled at the Village's annual Document Destruction and Electronics Recycling event.

Fulfills: WR2: Promote and practice waste reduction & recycling in municipal operations

Curbside Recycling: Village Code

As part of the Village waste hauling contract, waste hauler(s) are required to collect recyclable material from all residents, including multi-family properties. Owners and operators of multi-family residences must provide separate containers for recyclable materials and must notify tenants of the Village's recycling program.

Waste hauler(s) are also required to offer a recycling service to their industrial and commercial clients (Village Code Section 3-14A-6, 4-4-4, and 3-14A-7). Providing curbside recycling service improves the convenience of recycling, and as a result, maximizes the amount of reusable material diverted away from landfills.

Fulfills: WR10: Provide curbside recycling for residents

WR16: Require commercial & multi-family recycling

*Waste haulers must offer recycling service to commercial customers, but these customers are not required to participate.

Special Materials Recycling Events and Programs

The Village of Elk Grove also encourages recycling by offering a variety of special materials recycling programs for residents through its membership with the Solid Waste Agency of Northern Cook County (SWANCC). These materials are not accepted by waste haulers because they require special recycling or waste disposal processes. Offering special materials recycling and disposal helps to keep harmful materials out of waterways and give a new purpose to usable material that would otherwise end up in a landfill.

SWANCC Programs include:

- Annual recycling events
 - Document destruction and electronics
 - Paint and motor oil*
- Village Hall collection
 - Compact fluorescent bulbs
 - Household batteries
 - Holiday lights
 - Medication disposal^
 - Sharps disposal
 - Mercury thermometer exchange

Fulfills: WR11: Provide access to recycling infrastructure and services at public places

WR13a: Collaborate to support proper disposal of household hazardous waste

WR13b: Collaborate to support proper disposal of pharmaceutical and personal care product waste

WR13d: Collaborate to support proper disposal of electronic waste

WR14: Collaborate to provide recycling service for items not suitable for curbside pickup (e.g. clothing, shoes, holiday lights)

*Village of Elk Grove program

^ Metropolitan Water Reclamation District of Greater Chicago and Cook County Sheriff program

GREEN Fund

The Village maintains a Garbage, Recycling, & Environmental (GREEN) Fund. Revenue for the GREEN Fund is generated from a disposal service fee, a licensing fee for commercial and industrial waste, as well as an annual community contribution from Groot. The

revenue from the GREEN Fund is used to pay for the disposal fee from the Solid Waste Agency of Northern Cook County, provide special materials recycling programs and events, fund recycling education efforts, plant and maintain the health of the Village's parkway trees, and help support the beautification of the community.

Fulfills: WR11: Provide access to recycling infrastructure and services at public places

WR13: Collaborate to support proper disposal of household hazardous waste, pharmaceutical waste, and electronic waste

WR21: Educate the community on recycling and composting practices

L23: Maintain the health and integrity of existing trees

L24: Plant trees to sustain and renew the urban forest

L31: Maintain beautiful landscapes and streetscapes to enhance gateways, business districts and important public spaces

Curbside Food and Landscape Waste Collection

Residents of Elk Grove Village are able to pay for an annual subscription to a landscape waste and food scrap collection service through the Village's residential waste hauler. This program is available seasonally, from April 1st to December 15th each year. Under this program, residents receive a 65 or 95 gallon cart from Groot designated for yard waste and food scraps. Collected yard waste and scraps are then composted. Food makes up the largest portion of municipal solid waste collected in the United States. Therefore, collecting food for composting helps to re-purpose a large portion of the waste that would end up in a landfill.

Fulfills: WR12: Support regional efforts for developing a food scrap composting service

Curbside Electronics Recycling

Groot, the Village of Elk Grove's new waste hauler, offers curbside electronics recycling to single family properties in Elk Grove Village. Each week, up to two electronic waste items under 50 pounds may be collected per home at no additional charge. Residents must call in advance to schedule a collection. Proper recycling and disposal of electronic waste prevents chemicals contained within electronics from seeping out into the ground and into waterways.

Fulfills: WR13d: Support proper disposal of electronic waste

Composting Regulation: Village Code

Composting is permitted in rear yards, with restrictions to prevent nuisances such as odor, vermin, windblown material, and unfavorable appearance. Composting regulation was updated in 2019 to permit fruits, vegetables, breads and grains, coffee grounds, and egg shells. Previously, the Village Code only permitted garden refuse like grass, tree trimmings, wood waste, leaves, and weeds (Village Code Section 4-4-6). Expanding the list of compostable materials increases the amount of organic waste that can be repurposed and kept out of landfills.

Fulfills: WR18: Eliminate policy barriers to on-site composting

Educational Media Campaigns

#WasteWednesday is an educational social media campaign via the official Village Facebook page that focuses on sharing waste, recycling, and composting information. In September 2020, EGTV created an educational public service announcement on composting in collaboration with the Living and Giving Garden of Elk Grove Village that aired on Channel 6 and was uploaded to the Village Facebook page on May 29, 2021. Informing residents of proper recycling and composting practices ensures that collected material is suitable for recycling and composting processes.

Fulfills: WR21: Educate the community on recycling and composting practices

SC35: Educate the community about sustainability initiatives using existing municipal communication outlets (i.e., cable TV, newsletters)

Cloud-based Document Management System for Police Department

The Elk Grove Village Police Department uses a cloud-based document management software, PowerDMS, to manage the CALEA accreditation process and conduct some training. PowerDMS provides an estimate of the number of trees saved by using digital documents. Since it first adopted cloud-based software, the Elk Grove Village Police Department has saved an estimated 45.8 trees from being chopped down and turned into paper. This software also tracks monetary savings and estimates that the Police Department has saved over \$11,000 by using digital documents instead of printed copies.

Fulfills: WR53: Reduce the use of paper in municipal offices

Water

Water Use Efficiency in Village Facilities: Elk Grove 2025 Capital Improvement Plan

During all new construction and remodeling of municipal facilities, water use efficiency features were installed, including but not limited to automatic faucets and dual-flush toilets (Appendix A). This reduces the amount of water used by Village facilities.

Fulfills: W1a: Implement water efficiency measures at all municipal facilities

Residential Water Consumption Monitoring and Improvements

Every month, Finance Department staff reviews water use across the community and survey for accounts with abnormally high water use. Staff looks for accounts whose water usage has spiked and is much higher than the average amount each account typically uses, as this indicates a potential leak. Staff then notifies the customers of these accounts through a phone call. Recently, improvements to water utility monitoring were made through the Water Meter Upgrade Program. In early 2020, the Village began replacing manual read meters with radio read meters. These new, modern meters automatically and wirelessly transmit data to the Village. This new technology offers improved water conservation opportunities for customers by identifying leaks and high water usage more quickly and accurately.

In addition to the new water meter technology, the Village introduced WaterSmart, an online water consumption customer portal in August 2021. As of June 2022, 2,371 accounts have registered with the WaterSmart portal. When Finance Department staff call customers with potential leaks, they also assist in registering the customer's account if needed. The WaterSmart portal provides customers with their hourly water consumption data, suggests water-saving tips, and automatically notifies customers of high water consumption and potential leaks. As of June 2022, the WaterSmart portal has issued 3,778 leak alerts. These improvements assist the Finance Department's effort to inform residents of excess water loss and high consumption and increase water conservation opportunities for residents.

Fulfills: W1: Reduce community water consumption per capita

W1b: Encourage residents and businesses to identify and mitigate water loss

W5: Provide water use audits to customers

W15c: Meter 100% of customers with automated reading technology

Residential Leaf Collection Program

The Public Works Department offers convenient, curbside pickup and disposal of residents' autumn leaves during the months of October and November. An additional spring leaf pickup occurs in April. Leaf litter contributes phosphorous to stormwater, which then runs off into waterways and lakes. An excessive amount of nutrients like phosphorous and nitrogen begins a chain reaction in water bodies that ends in the depletion of oxygen in water, which results in the death of fish and other aquatic animals. Removing leaf litter therefore helps to protect water quality and fish populations.



Fulfills: W8: Protect surface and groundwater from runoff and contamination

Street Sweeping Activities

The Public Works Department regularly conducts street sweeping, removing debris and litter from the street. Streets are swept during spring and fall residential leaf collections, in the Business Park during the winter months, and after storms, floods, special events, etc. Residential streets are also swept year-round as time permits.

Street sweeping protects waterways from pollution, excess salt, and excess nutrients that can cause algae blooms. Street sweeping also protects pavement from debris that wears pavement down. Regular street sweeping prevents the accumulation of dust, maintains community aesthetics, and improves safety for pedestrians and bicyclists.

Fulfills: W8: Protect surface and groundwater from runoff and contamination

MO10: Extend useful life of physical assets

M6: Maintain streets and sidewalks for efficiency and safety without harming natural resources

Utilities Division Activities: Public Works Department

The Utilities Division in the Public Works Department is dedicated to operating, maintaining, and ensuring the quality of the Village's water, stormwater, and wastewater utilities. Water infrastructure is proactively evaluated and improved; the Utilities Division conducts system-wide early leak detection, conducts repairs, and replaces infrastructure that is no longer efficient.

Additionally, Public Works conducted a large-scale project to improve water supply and stormwater infrastructure in the Business Park from 2015 to 2019. This project involved installing and replacing water mains, installing new stormwater sewers, and creating and improving drainage ditches that prevent flooding. The stormwater system is also regularly flushed and repaired to ensure smooth operations.

The Village also provides rear yard drainage improvements to residents whose properties often suffer from ponding more than 48 hours after a rain event. Since the beginning of the program in 1997, 1,811 properties have benefited from drainage improvements.

In 2021, the Village conducted smoke testing of the sanitary sewer system in the area where the highest level of rainwater infiltration was detected. Repairs based on the results of this smoke testing are planned for 2022.

- Fulfills:* W14: Operate an efficient water utility that delivers clean, healthful water
W14b: Periodically detect system leaks and develop a strategic plan for repair
W15e: Detect and repair water system leaks
W15f: Repair and replace inefficient water supply infrastructure
W17: Coordinate street, utility and water infrastructure projects
W22b: Install and maintain bioswales, filter strips, trees, rain gardens, and other functional landscapes
W42: Ensure drinking and wastewater systems are operating efficiently

Water System Leak Detection Survey

Annually, the Village conducts a system-wide leak detection survey to proactively search for leaks in our distribution system. Our unaccounted for water remains under 6%. Conducting an annual survey provides the data needed to remain at this very low level.

- Fulfills:* W14b: Periodically detect system leaks and develop a strategic plan for repair
W15e: Detect and repair water system leaks

Water Quality Reports: Public Water Supply System

Every year, the Public Works Department summarizes the results from regular water quality tests conducted over the course of the year. Lake Michigan supplies drinking water to Elk Grove Village. The Illinois Environmental Protection Agency and the City of Chicago Water Department monitor water from Lake Michigan. The Public Works Department also tests the water supply. The Elk Grove Village public water supply consistently meets all water quality standards, indicating that it is safe from all harmful contaminants (e.g. lead, copper, and disease-causing organisms).

Fulfills: W14: Operate an efficient water utility that delivers clean, healthful water
W41: Sustain supply of high-quality public water

Water/Sewer Fund

The Village operates a Water/Sewer Fund intended to provide access to safe drinking water, sanitary sewer and stormwater collection systems. The fund collects revenue from water, sewer, and stormwater management service charges. The revenue from the Water/Sewer Fund is designed to pay for the cost of the water purchased from JAWA and the costs for maintenance and repair of the Village's water and sewer system infrastructure. Charges for water, sewer, and stormwater services go back into maintaining and improving these services.

Fulfills: W16: Invest water revenues into sustaining water infrastructure
W29: Establish a stormwater utility funding mechanism

Stormwater Management for Village Facilities: Elk Grove 2025 Capital Improvement Plan

In some new construction and remodeling of municipal facilities, functional landscapes such as rain gardens and bioswales were incorporated. In addition, stormwater retention ponds were created and landscaped with native plants (Appendix A). Rain gardens, bioswales, and stormwater detention ponds control excess stormwater runoff and prevent this stormwater from overwhelming the municipal water system. Native plants in each of these forms of green stormwater infrastructure also filter pollutants out of stormwater before it seeps into the ground or flows into waterways.

Fulfills: W22b: Install and maintain bioswales, filter strips, trees, rain gardens, and other functional landscapes
W25: Enhance natural features of stormwater detention and retention systems

Permeable Pavers at Rotary Green

In 2020, the Village expanded the Rotary Green parking lot. To account for the increase in paved surface area, permeable pavers were installed in accordance with MWRD regulation. These pavers (bricks) increase stormwater detention in the parking lot, which means that stormwater can filter into the ground instead of flowing down the street or pooling in the parking lot.

Fulfills: W22a: Build or retrofit paved surfaces with permeable materials

Busse Dam Modification Project

The Busse Dam Modification Project was a collaboration between the Village of Elk Grove, Cook County, DuPage County, the Forest Preserves of Cook County, and the Metropolitan Water Reclamation District of Greater Chicago. The modification improved flood relief capacities of the Busse Woods Reservoir (Busse Lake) and consisted of the installation of two hinged gates that raise and lower to adjust the flow of water and maximize storage within the reservoir.

In 2008, extreme rainfall caused flooding downstream in Elk Grove Village. This flooding resulted in significant street closures and disruptions to residential life and business operations. Since the project's completion in March 2016, gate operations at the dam have avoided these significant disruptions. Elk Grove Village modeled 158 historic storm events to assist in the design of the modification and ensure its effectiveness. Additionally, several ecological studies were conducted to avoid impacting the sensitive Busse Woods ecosystem as part of the engineering process.



Completed modification of Busse Dam (left) and digital model of hinged gates (right).

Fulfills: W27: Collaborate with regional and state agencies to sustainably manage stormwater

Rain Barrel Regulation: Village Code

Rain barrels are permitted in rear yards, with restrictions to prevent the breeding of mosquitoes and other insects (Village Code Section 4-2-2-K). Rain barrels collect non-potable rainwater for outdoor use like watering gardens. This reduces the amount of potable water used.

Fulfills: W36: Adopt codes that enable rainwater harvesting for non-potable uses

Stormwater Infrastructure Regulations: Village Code

There are no sections in the Village Code restricting green roofs, or bioswales. Village Hall has a partial green roof, and some of the new and remodeled Village facilities have bioswales. Restrictions on driveway construction materials in Section 8-8A permit

permeable pavers for driveways and other residential projects, only requiring that the pavers used are approved for residential traffic. (Village Code Section 8-8A-3)

Fulfills: W38: Review and adopt codes to eliminate barriers to green infrastructure BMPs, including green roofs, bioswales, permeable paving

Creek Public Access and Stewardship

There are four public parks* adjacent to Salt Creek that form a continuous, open green area of nearly 20 acres. Public access to green space and waterways allows residents to build a connection with the natural environment.

Burbank Park	Olmstead Park
Jaycee Park	Morton Park

Additionally, the Salt Creek Watershed Network holds a yearly Salt Creek Clean-Up volunteer event to help maintain the natural state of the waterway. The Village includes an announcement of this event in the Villager newsletter every year, typically in May. In 2020 and 2021, the event was announced using the Village of Elk Grove Facebook page.

Fulfills: W46: Allow public access and encourage stewardship of community waterways

W59: Collaborate to raise watershed awareness and foster stewardship

*The Elk Grove Park District owns and maintains these parks.

Water Use Conservation Education

The Village of Elk Grove website (elkgrove.org) hosts a page titled "Water Conservation" which explains how minor leaks can cause significant water loss and details actions community members can take to conserve water at home.

Fulfills: W50: Educated and support the community to conserve water

Winter De-icing Program

The Public Works Department utilizes a product called "Beet Heet" concentrate as its preferred winter de-icing liquid. In 2020, the Public Works Department began a full anti-icing program, which involves applying Beet Heet concentrate to key roadways prior to a winter event to make it more difficult for snow and ice to bond to the pavement. Snow and ice can then be removed much more easily, which reduces the amount of rock salt needed during winter road maintenance operations.

Fulfills: W8c: Use sensible salting strategies to reduce chloride contamination

M6: Maintain streets and sidewalks for efficiency and safety without harming natural resources

Stormwater Contamination Education and Prevention

Every year, the Village includes an article in the April or May issue of the Villager newsletter titled "Help Keep Our Stormwater Clean." This article outlines rules and practices that help prevent contamination of stormwater and, as a result, prevent pollution of creeks, rivers, lakes, etc.

Additionally, the Village is active in promoting its prescription drug collection box, which is accessible 24-hours a day and helps prevent the contamination of our water supply through unsafe disposal methods.

Fulfills: W53: Educate the community on practices that reduce contamination of water resources

SC35: Educate the community about sustainability initiatives using existing municipal communication outlets (i.e., cable TV, newsletters)

Conclusion

Sustainable practices ensure that Elk Grove Village remains a healthy, exceptional community for years to come. The Village of Elk Grove has adopted many policies and programs that make the community a more sustainable place to live and work. Each sustainability category is addressed at least once by current Village practices, with a strong focus on the Land, Water, and Waste & Recycling categories.

Informing residents and businesses of sustainable actions taken by the Village offers an example for residents to consider. Engaging the community through education and outreach presents significant opportunities for sustainable progress. Promoting sustainable actions residents and businesses can take and offering support or removing barriers for these actions can encourage more residents to take part in advancing sustainability in Elk Grove Village.

There is significant opportunity for the Village to expand sustainability efforts, with many strategies immediately actionable. The creation of this report is a significant step in developing an official sustainability action plan. Future actions shall build upon the practices already in place, and should strive to maintain balance between the environmental health, community health, and economic vitality of Elk Grove Village.

Appendix

Appendix A

✓ = building has this feature

blank = building does not have this feature

	PW - Devon	PW – Bies.	Station 7	Station 8	Station 10
Energy Efficiency – Lighting					
LED lighting	✓	✓	✓	✓	✓
Occupancy sensors	✓	✓			
Vacancy sensors				✓	✓
Photocell sensors				✓	✓
Maximized use of natural light ¹	✓	✓	✓	✓	✓
Skylights	✓	✓			
Daylight harvesting	✓**			✓	✓
Auto-dim street lights	✓**	✓**		✓	✓
Energy Efficiency – Heating and Cooling					
Low-emissivity, insulated window glass	✓	✓		✓	✓
High R-value insulation	✓	✓		✓	✓
New insulated roof	✓	✓	✓	✓	✓
New exterior cladding [^]	✓	✓			
Thermally broken aluminum framing	✓	✓		✓	✓
High-efficiency water boilers	✓		✓	✓	✓
Super-insulated hot water storage tanks	✓		✓	✓	✓
Hydronic heating system	✓			✓	✓
Overhead fans in garage (instead of A/C)	✓	✓		✓	✓
Rapid open/close garage doors				✓	✓
Timed auto-close garage doors	✓				
Grey roof ²				✓	✓
Water Use Efficiency					
Automatic faucets	✓	✓		✓	✓
Low-flow fixtures	✓	✓		✓	✓
Dual-flush toilets	✓	✓		✓	✓
Hot water recirculation system	✓	✓		✓	✓
Stormwater Management					
Wetland stormwater retention pond/ditch	✓	✓		✓	
Rain garden					✓
Limestone rock swales	✓			✓	

Anti-leaching design in salt barn	✓	✓	N/A	N/A	N/A
Hydronic snowmelt system				✓	✓
Waste Reduction					
Low-maintenance, easy-clean, durable finishing materials ³	✓	✓**	✓	✓	✓
Low-maintenance, durable building materials ⁴	✓	✓		✓	✓
Air hand dryers	✓	✓			
Water bottle refill station	✓	✓		✓	✓
Sustainable Landscaping					
Native plant landscaping	✓	✓		✓	✓
Dedicated pollinator garden	✓				
Air Pollution Reduction and Management					
On-location salt barn	✓	✓	N/A	N/A	N/A
Air pollution sensors with auto exhaust fan system	✓			✓	✓

^Applies to renovations

**Installed, but made alterations that void benefits due to safety or practicality conflicts

¹Installing floor-to-ceiling windows in walls and garage doors where possible, leaving garage doors without windows open during the day.

²Between a white roof and dark/black roof

³Includes: luxury vinyl tile (LVT), solid surface, stainless steel, hospital-grade carpeting and furniture

⁴Includes: Steel, aluminum, concrete



Elk Grove Village Admin & Public Safety

LEED BD+C: New Construction (v2.2)

GOLD, AWARDED JUN 2010


SUSTAINABLE SITES

AWARDED: 8 / 14

Code	Description	Score	Requirement
SSp1	Construction activity pollution prevention		REQUIRED
SSc1	Site selection	1/1	
SSc2	Development density and community connectivity	1/1	
SSc3	Brownfield redevelopment	0/1	
SSc4.1	Alternative transportation - public transportation access	1/1	
SSc4.2	Alternative transportation - bicycle storage and changing rooms	1/1	
SSc4.3	Alternative transportation - low emitting and fuel efficient vehicles	1/1	
SSc4.4	Alternative transportation - parking capacity	0/1	
SSc5.1	Site development - protect or restore habitat	0/1	
SSc5.2	Site development - maximize open space	0/1	
SSc6.1	Stormwater design - quantity control	0/1	
SSc6.2	Stormwater design - quality control	1/1	
SSc7.1	Heat island effect - non-roof	1/1	
SSc7.2	Heat island effect - roof	1/1	
SSc8	Light pollution reduction	0/1	



WATER EFFICIENCY

AWARDED: 3 / 5

Code	Description	Score	Requirement
WEc1.1	Water efficient landscaping - reduce by 50%	1/1	
WEc1.2	Water efficient landscaping - no potable water use or no irrigation	0/1	
WEc2	Innovative wastewater technologies	0/1	
WEc3.1	Water use reduction - 20% reduction	1/1	
WEc3.2	Water use reduction - 30% reduction	1/1	



ENERGY & ATMOSPHERE

AWARDED: 8 / 17

Code	Description	Score	Requirement
EAp1	Fundamental commissioning of the building energy systems		REQUIRED
EAp2	Minimum energy performance		REQUIRED
EAp3	Fundamental refrigerant Mgmt		REQUIRED
EAc1	Optimize energy performance	6 / 10	
EAc2	On-site renewable energy	0 / 3	
EAc3	Enhanced commissioning	1/1	
EAc4	Enhanced refrigerant Mgmt	1/1	
EAc5	Measurement and verification	0/1	
EAc6	Green power	0/1	



MATERIAL & RESOURCES

AWARDED: 6 / 13

Code	Description	Score	Requirement
MRp1	Storage and collection of recyclables		REQUIRED
MRc1.1	Building reuse - maintain 75% of existing walls, floors & roof	0/1	
MRc1.2	Building reuse - maintain 95% of existing walls, floors & roof	0/1	
MRc1.3	Building reuse - maintain 50% of interior non-structural elements	0/1	
MRc2.1	Construction waste Mgmt - divert 50% from disposal	1/1	
MRc2.2	Construction waste Mgmt - divert 75% from disposal	1/1	



MATERIAL & RESOURCES

CONTINUED

Code	Description	Score	Requirement
MRc3.1	Materials reuse - 5%	0/1	
MRc3.2	Materials reuse - 10%	0/1	
MRc4.1	Recycled content - 10% (post-consumer + 1/2 pre-consumer)	2/1	
MRc4.2	Recycled content - 20% (post-consumer + 1/2 pre-consumer)	0/1	
MRc5.1	Regional materials - 10% extracted, processed and manufactured regiona...	1/1	
MRc5.2	Regional materials - 20% extracted, processed and manufactured regiona...	1/1	
MRc6	Rapidly renewable materials	0/1	
MRc7	Certified wood	0/1	



INDOOR ENVIRONMENTAL QUALITY

AWARDED: 11 / 15

Code	Description	Score	Requirement
EQp1	Minimum IAQ performance		REQUIRED
EQp2	Environmental Tobacco Smoke (ETS) control		REQUIRED
EQc1	Outdoor air delivery monitoring	1/1	
EQc2	Increased ventilation	1/1	
EQc3.1	Construction IAQ Mgmt plan - during construction	1/1	
EQc3.2	Construction IAQ Mgmt plan - before occupancy	1/1	
EQc4.1	Low-emitting materials - adhesives and sealants	1/1	
EQc4.2	Low-emitting materials - paints and coatings	1/1	
EQc4.3	Low-emitting materials - carpet systems	1/1	
EQc4.4	Low-emitting materials - composite wood and agrifiber products	1/1	
EQc5	Indoor chemical and pollutant source control	0/1	
EQc6.1	Control lability of systems - lighting	1/1	
EQc6.2	Control lability of systems - thermal comfort	0/1	
EQc7.1	Thermal comfort - design	1/1	
EQc7.2	Thermal comfort - verification	1/1	
EQc8.1	Daylight and views - daylight 75% of spaces	0/1	
EQc8.2	Daylight and views - views for 90% of spaces	0/1	



INNOVATION

AWARDED: 5 / 5

Code	Description	Score	Requirement
IDc1	Innovation in design	0/1	
IDc2	LEED Accredited Professional	0/1	

TOTAL
41 / 69