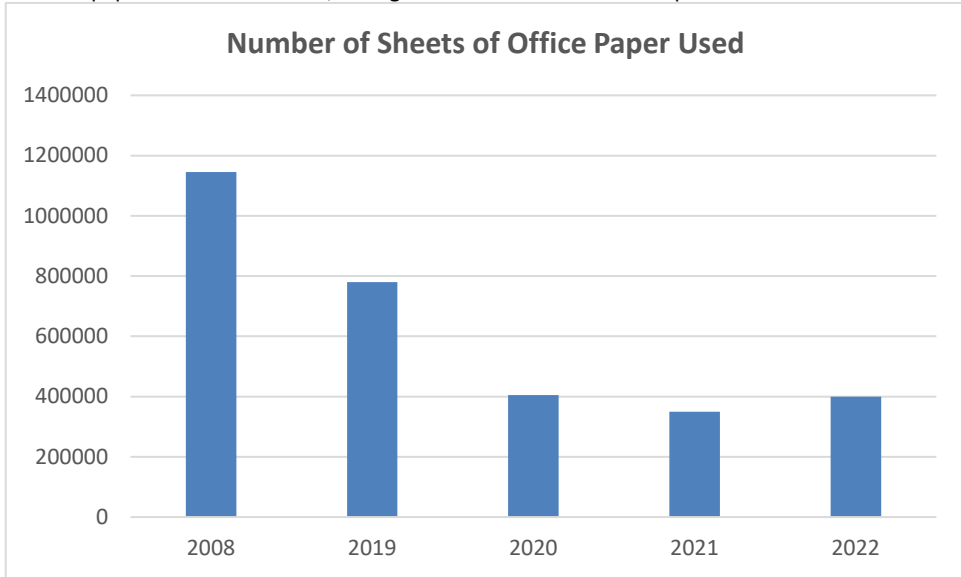


2022 Sustainability Report

Principle 1: Purchase and use of environmentally safe and sensitive products

Theme: Paper Purchasing and Reduction in Use

| SUSTAINABLE PRACTICES | 2022 UPDATE | BENEFITS | | | | | | | | | | | | |
|---|---|----------|------------------|------|-----------|------|---------|------|---------|------|---------|------|---------|--|
| <ul style="list-style-type: none"> • Since 2021, we produce a digital-only Program Guide. • We replace paper with electronic communication whenever practical; including bidding documents, registration confirmations, P-cards, accreditation documents, staff manuals, board packets, etc. • We print double-sided pages when possible. • We use 30% recycled content office paper. • Since 2019, IT is providing Smart Field Forms for staff documents, including employment forms, surveys, etc. that can be completed electronically, saving approximately 1,000 sheets of paper in a typical year. • BoardDocs creates electronic agendas, minutes and supporting documents for board and committee meetings, and also includes copies of District policies, saving an estimated 81,780 sheets of paper annually, resulting in a cost savings of \$568. • The majority of employee paperwork is completed electronically | <ul style="list-style-type: none"> • Even though facilities and programming returned to full operations in 2022, the District held its office paper use to 2020 levels, saving 5.2 short tons of wood compared to 2019. <div data-bbox="520 378 1474 951" style="text-align: center;">  <table border="1"> <caption>Number of Sheets of Office Paper Used</caption> <thead> <tr> <th>Year</th> <th>Number of Sheets</th> </tr> </thead> <tbody> <tr> <td>2008</td> <td>1,150,000</td> </tr> <tr> <td>2019</td> <td>780,000</td> </tr> <tr> <td>2020</td> <td>400,000</td> </tr> <tr> <td>2021</td> <td>350,000</td> </tr> <tr> <td>2022</td> <td>400,000</td> </tr> </tbody> </table> </div> | Year | Number of Sheets | 2008 | 1,150,000 | 2019 | 780,000 | 2020 | 400,000 | 2021 | 350,000 | 2022 | 400,000 | <ul style="list-style-type: none"> • Discontinuing the printing and mailing of the Program Guide saves approximately 13.2 million sheets of paper and \$230,000 annually and: <ul style="list-style-type: none"> • 184 short tons of wood • 1,480 million BTUs of energy • 981,000 lbs. of carbon dioxide • 1,370,000 gallons of water <p>Comparing 2022 paper use to 2019 paper use, we saved approximately: *</p> <ul style="list-style-type: none"> • 5.2 short tons of wood • 42 million BTUs of energy • 27,900 lbs. carbon dioxide • 39,000 gallons of water <p>*Calculations made by the Environmental Paper Network Paper Calculator</p> |
| Year | Number of Sheets | | | | | | | | | | | | | |
| 2008 | 1,150,000 | | | | | | | | | | | | | |
| 2019 | 780,000 | | | | | | | | | | | | | |
| 2020 | 400,000 | | | | | | | | | | | | | |
| 2021 | 350,000 | | | | | | | | | | | | | |
| 2022 | 400,000 | | | | | | | | | | | | | |

Principle 1: Purchase and use of environmentally safe and sensitive products (cont'd)

Theme: Use of Green Cleaning Supplies and Services throughout the District

| SUSTAINABLE PRACTICES | BENEFITS |
|---|--|
| <ul style="list-style-type: none"> • Parks staff uses a bulk cleaner dispensing system by Metro with lidded, 5-gallon buckets. Cleaners are pre-measured and diluted with water. • Staff uses green cleaners in all facilities and parks, including golf courses, Centennial Beach, Knoch Knolls Nature Center, Fort Hill Activity Center and Knoch Park Central Maintenance Facility. • Custodial is using a 5-filter system for vacuums, resulting in cleaner air. • Custodial's eco-flex carpet extractor uses less water and chemical when cleaning carpets. • Custodial's eco-flex auto-scrubber strips floors with water and small amounts of low VOC cleaners. • All cleaning machines use cold water only, and peroxide-based cleaners. • All floor finishes have a 0.95% or less VOC. • Restroom paper products are made of 100% recycled content. • Custodial uses recycled plastic trash can liners. • Fleet uses a solvent-free cleaner to clean vehicle parts. • All paper products and hand soaps ordered are green certified. | <ul style="list-style-type: none"> • Green products are safer for employees using them. • Green products are safe for volunteers to use. • Containers are refillable, reducing waste. • Green products do not pollute soil, air, or water. |

Principle 2: Effective Use and Protection of Air, Water, Soil, and Wildlife

Theme: Use Pervious Materials for Construction of Hardscape When Practical

| SUSTAINABLE PRACTICES | BENEFITS |
|--|---|
| <ul style="list-style-type: none"> • The District maintains approximately 118,033 SF of pervious pavement. • The District considers installing pervious pavement in areas where maintenance is practical. • The District seeks grants to assist with initial cost and/or maintenance of pervious pavers. Each of the 6 pervious pavement projects completed between 2009 and 2016 was funded, in part, by grants. • The Trades Department manages sweeping of pervious pavement at Winding Creek Park, Seager Park, Weigand Riverfront Park, Knoch Knolls Nature Center, Sportsman's Park and Fort Hill Activity Center. | <ul style="list-style-type: none"> • 50-year lifecycle cost of pervious pavement is projected to be 25% less than asphalt. • Improves water quality of the DuPage River and other streams by reducing runoff and filtering water on site. • Pollutants removed include nitrogen, phosphorus, lead, zinc, and total suspended solids. |

Principle 2: Effective Use and Protection of Air, Water, Soil, and Wildlife (cont'd)

Theme: Conserve Water in Operations

| SUSTAINABLE PRACTICES | 2022 UPDATE | BENEFITS |
|---|---|--|
| <ul style="list-style-type: none"> • Use water from retention ponds and quarries for irrigation. • Synthetic turf fields at Nike Sports Complex, Knoch Park, and Commissioners Park reduce the need for irrigation. • Golf continues to reduce water usage by adjusting the spray patterns of sprinklers. • Golf uses soil moisture sensors to determine when irrigation is needed. • Rain sensors at Frontier Sports Complex, Commissioners Park and Fort Hill Activity Center prevent the irrigation system from watering when the soil already is moist enough. • Automated irrigation systems replaced water reels at some parks, for added efficiency and water savings. | <ul style="list-style-type: none"> • The 900-gallon cistern at Knoch Knolls Nature Center harvested 92,575 gallons of rainwater, providing 75% of the water needed for the restrooms and irrigation of the living wall, saving approximately \$1,237 in water costs. | <ul style="list-style-type: none"> • Reuse of rain water saves money, local potable water supply, and slows runoff from the site, leading to improved water quality of local streams. |

Theme: Protect Wildlife

| SUSTAINABLE PRACTICES | 2022 UPDATE | BENEFITS |
|---|---|---|
| <ul style="list-style-type: none"> • Central Parks staff maintains two hives of honeybees at the back of the organic area of the Ron Ory Community Garden Plots. • Central Parks discontinued use of the chemical, Merit, for grub control and uses Acelepyrn instead, which is safer for pollinators. • The District maintains 5 monarch way stations at Knoch Knolls Nature Center, Nike Sports Complex, Country Lakes Park, Seager Park, and the Ron Ory Community Garden Plots. All are certified through Monarch Watch. A monarch way station includes 10 or more milkweed plants and 4 or more nectar plants in an area that is at least 100 SF. • A pollinator garden has been added to the Riverwalk on the east side of Rotary Hill. Milkweed plants are being allowed to grow naturally in other places along the Riverwalk as well. • Both golf courses have incorporated native areas with milkweed and other pollinator plants (approx. 2.5 acres at Springbrook and 6.5 acres at Naperbrook). The native areas receive minimal herbicide treatments, and no insecticide treatments. No pesticides are applied during egg laying periods. Annual mowing and other practices help minimize invasive weeds; milkweed seeds are sown to increase the number of plants. • Golf is using bacteria based aquatic products to reduce organic matter in ponds, which will help limit algae growth and thereby improve oxygen levels and the overall water quality in the ponds. • Decals were placed on the windows at Knoch Knolls Nature Center to help prevent bird collisions | <ul style="list-style-type: none"> • The Park District created brochures and a web page to remind residents to refrain from feeding river wildlife and to be aware of spring nesting and breeding among wildlife such as geese and coyotes. • A scout troop with 13 youth volunteers and 9 adults planted 700 native pollinator plants in 3 gardens at Hobson West Ponds as part of an Eagle Scout project and with funding from an Earth Day in the Parks grant from IDNR. • Park maintenance staff installed a BioHaven Floating Island in the retention pond at Frontier Sports Complex to assist in water filtration and to add more pollinator habitat. • Park maintenance staff conducted a native prairie seed collection event with volunteers focusing on milkweed for monarch butterflies at Frontier Sports Complex in the fall of 2022. • A scout built 5 bat houses that were installed at Hobson West Ponds and Wildflower Park as part of an Eagle project. | <ul style="list-style-type: none"> • Honeybees are essential to many of the fruits and vegetables that we enjoy. Providing a safe place for several hives will benefit the garden plots and will help bring back the honeybee population. • Allowing ducks to feed naturally leads to better health for the ducks, prevents crowding and aggression among the ducks, and helps keep the river clean. • Milkweed plants provide habitat for monarch butterflies, both for laying eggs and for feeding the caterpillars. Other native, flowering plants provide nectar for adult monarchs. |

Principle 2: Effective Use and Protection of Air, Water, Soil, and Wildlife (cont'd)

Theme: Improve and Maintain the District's Natural Areas

| SUSTAINABLE PRACTICES | 2022 UPDATE | BENEFITS |
|--|---|---|
| <ul style="list-style-type: none"> The Parks Department actively maintains existing natural areas and works with the Planning Department to restore additional natural areas. Community volunteers assist with park maintenance projects when possible. The District manages approximately 437 acres of natural area, including prairie, woodland, shoreline, wetland and “low mow” areas. Each area has a multi-year schedule of maintenance including practices such as prescribed burning, hand/machine removal of invasives, targeted application of herbicides when needed, mowing, and planting of seed or plugs. | <ul style="list-style-type: none"> 204 trees were planted Districtwide. The Planning Department completed the 4th year of Park Meadow projects to convert turf grass to meadow in strategic areas in selected parks. In 2022, one acre of turf at Brighton Ridge Park was converted to meadow. A project at Clow Creek Greenway restored 850 ft. of streambank along Clow Creek and added 2.5 acres of native plants along the shoreline. The retention pond at Bailey Hobson Woods was dredged and the shoreline was planted with .5 acre of native plants. Park maintenance staff planted prairie seed at the following parks: <ul style="list-style-type: none"> 3 acres Wil-O-Way Commons 2.7 acres at Rivercrest Estates Park Park maintenance staff removed invasive woody plants and trees in the following parks: <ul style="list-style-type: none"> 3.3 acres at Commissioners Park 5.1 acres at DuPage River Park 3.3 acres at Knoch Knolls Park 0.3 acres at Springbrook Parkway 2 acres at Summerfield Lakes Park 2.5 acres of invasive plants were removed at Naperbrook Golf Course. In 2022, 475 volunteers contributed 1,996 hours to help Naperville Park District with park maintenance and environmental projects. | <ul style="list-style-type: none"> Benefits of restoring shorelines include less maintenance for staff, improvement in the water quality of rivers and streams, smaller Canadian geese population, and improvement in native riparian animal & insect habitat. Benefits of increased low-mow areas include improving habitat for pollinators, enhancing stormwater absorption and filtering by native plants, reducing air pollution caused by mowing, reducing the amount of fuel used for mowing and reduction in labor and related costs. Pond aerators eliminate the need for chemical applications, reducing pollution. |

Principle 2: Effective Use and Protection of Air, Water, Soil, and Wildlife (cont'd)

Theme: Improve and Evaluate Use of Chemical Applications for Landscape Maintenance and Hard Surfaces

| SUSTAINABLE PRACTICES | 2022 Update | BENEFITS |
|---|---|--|
| <ul style="list-style-type: none"> • Golf and Parks are using best management practices in applying fertilizers and herbicides, including soil testing to limit elements only to what are needed for the soil. • Parks and Golf staff continue to reduce the amount of salt applied in deicing; uses magnesium chloride in all sensitive areas and for walkways. • Parks continues the Sustainable Parks initiative, in which 8 parks and more than 70 playground areas are maintained only with natural products. Conventional broadleaf weed control and Roundup are replaced with natural products when needed and organic fertilizer is used. • Central Parks uses microbes to improve turf quality while decreasing the use of synthetic fertilizer and plant protectant chemicals. • Golf continued the use of naturally occurring microbes to reduce thatch in turf, helping to naturally reduce pests and disease problems. • Golf has increased its use of organic fertilizers (chicken manure/milorganite), reducing the used of synthetic fertilizers by 50% in the rough and by 33% in fairways. • Central Parks top dresses fields with 10 tons of compost, mostly composed of leaves, twigs and landscape waste, reducing fertilizer use, to relieve compaction and feed the soil bacteria that provide nutrients to the turf. • The Riverwalk team applies leaf compost on perennial beds in place of mulch, which helps to add nutrients to the soil, reduce the need for fertilizer and relieve compaction. • Ft. Hill Activity Center has heated walkways to the entrance to reduce need for salt in winter. • South Parks is using “Power Melt Green” to melt ice; it is calcium magnesium acetate based and labeled one of the most environmentally friendly ice melt formulations. | <ul style="list-style-type: none"> • Central Parks brought in horse manure as an organic soil amendment at the Ron Ory Community Garden Plots. • The Springbrook Golf Course renovation included reductions in square footage in finely manicured turf areas and sand bunkers, which will help reduce the need for fertilizers and weed control products. • Golf added 30% natural fertilizer to the mixture used for the roughs. • The golf courses applied 11.5 tons of organic fertilizer on the fairways in 2022. | <ul style="list-style-type: none"> • Benefits of best management practices in landscape maintenance include improved water quality in streams and ponds, healthier turf, improved soil, protection of pollinators, and reduced cost. • Benefits for reducing use of salt include reduced replacement costs for salt damaged landscaping trees and shrubs; protection of water quality, plant, and animal life in sensitive wetland areas; and reduced costs from more efficient application of deicers, minimizing waste. (From IPRA’s <i>Environmental Toolkit</i>) |

Principle 3: Effective Use of Energy Resources

Theme: Energy Conservation - Vehicles and Equipment

| SUSTAINABLE PRACTICES | 2022 UPDATE | BENEFITS |
|--|---|--|
| <ul style="list-style-type: none"> Using bio-based fuel and fluids, including B20 Dieselelex Gold fuel during the warm season, EcoTerra hydraulic fluid, fully synthetic engine oil, and canola-based lubricant. Continue to purchase or convert vehicles for alternative fuel, including hybrid and electric. Continue to test efficiency and economy of new fuels, fluids and types of vehicles. We reuse oil from Centennial Grill and Springbrook and Naperbrook clubhouses to fuel the vegetable oil tractor. We recycle excess oil via a vender. The fleet now has 2 propane fueling station and 8 road vehicles that run on propane and gasoline fuel, 3 propane forklifts and 9 propane zero-turn mowers. Naperville Park District has been designated as an Illinois Green Fleet since 2011. In addition to conserving energy and reducing the use of fossil fuels, Fleet also looks to reduce carbon emissions by transitioning to electric vehicles and equipment when possible. An EV charging station at Knoch Park charges 2 vehicles and is available for staff and public use. | <ul style="list-style-type: none"> The Fleet team purchased 3 hybrid vehicles and 1 all-electric zero turn mower in 2022. Golf purchased a 2022 Toro eTriflex hybrid mower, which uses no hydraulic oil used and should provide a 20% fuel savings. North Parks purchased 2 battery powered string trimmers, 1 battery powered blower and 1 battery powered mower. | <ul style="list-style-type: none"> Electric vehicles produce no emissions. Hybrids are expected to provide twice the gas mileage of the vehicles they replaced. Synthetic oil improves fuel economy and uses less oil. Propane is cleaner and costs less than gasoline. Use of vegetable oil is carbon neutral. |

Theme: Renewable Energy Use

| SUSTAINABLE PRACTICES | 2022 UPDATE | BENEFITS | | | | | | | | | | | | | | | | | | | | |
|---|--|-------------------|-----------------------------|-------------------|-------------|---|--------|---------|---------------|----------------------------|--------|---------|----------------|---------------------------|--------|---------|----------------|-------|--------|---------|----------------|--|
| <ul style="list-style-type: none"> Rooftop solar panels provide renewable energy at Knoch Knolls Nature Center, Nike Sports Complex Park Support Building, and Fort Hill Activity Center. Parks operates 2 solar-powered pond aerators at Hobson West Ponds. Fleet installed a solar panel to power a diesel pump and also used solar power for a trailer lift. Solar panels are considered for buildings when grants or rebates are available. Park Police use a solar powered mobile security camera | <ul style="list-style-type: none"> 2022 Solar Output at Nike Sports Complex, Knoch Knolls Nature Center and Ft. Hill Activity Center <table border="1" data-bbox="541 1094 1556 1344"> <thead> <tr> <th data-bbox="541 1094 957 1162">Facility</th> <th data-bbox="957 1094 1142 1162">kWh Generated by PVs (Est.)</th> <th data-bbox="1142 1094 1329 1162">Est. Cost Savings</th> <th data-bbox="1329 1094 1556 1162">CO2 Avoided</th> </tr> </thead> <tbody> <tr> <td data-bbox="541 1162 957 1222">Nike Sports Complex Park Support Building</td> <td data-bbox="957 1162 1142 1222">10,973</td> <td data-bbox="1142 1162 1329 1222">\$1,207</td> <td data-bbox="1329 1162 1556 1222">8 metric tons</td> </tr> <tr> <td data-bbox="541 1222 957 1266">Knoch Knolls Nature Center</td> <td data-bbox="957 1222 1142 1266">21,270</td> <td data-bbox="1142 1222 1329 1266">\$2,340</td> <td data-bbox="1329 1222 1556 1266">15 metric tons</td> </tr> <tr> <td data-bbox="541 1266 957 1310">Fort Hill Activity Center</td> <td data-bbox="957 1266 1142 1310">40,650</td> <td data-bbox="1142 1266 1329 1310">\$4,472</td> <td data-bbox="1329 1266 1556 1310">29 metric tons</td> </tr> <tr> <td data-bbox="541 1310 957 1344">TOTAL</td> <td data-bbox="957 1310 1142 1344">72,893</td> <td data-bbox="1142 1310 1329 1344">\$8,018</td> <td data-bbox="1329 1310 1556 1344">52 metric tons</td> </tr> </tbody> </table> | Facility | kWh Generated by PVs (Est.) | Est. Cost Savings | CO2 Avoided | Nike Sports Complex Park Support Building | 10,973 | \$1,207 | 8 metric tons | Knoch Knolls Nature Center | 21,270 | \$2,340 | 15 metric tons | Fort Hill Activity Center | 40,650 | \$4,472 | 29 metric tons | TOTAL | 72,893 | \$8,018 | 52 metric tons | <ul style="list-style-type: none"> Solar panels produce clean, renewable energy. Annual cost savings throughout lifecycle. Educational value for the community. |
| Facility | kWh Generated by PVs (Est.) | Est. Cost Savings | CO2 Avoided | | | | | | | | | | | | | | | | | | | |
| Nike Sports Complex Park Support Building | 10,973 | \$1,207 | 8 metric tons | | | | | | | | | | | | | | | | | | | |
| Knoch Knolls Nature Center | 21,270 | \$2,340 | 15 metric tons | | | | | | | | | | | | | | | | | | | |
| Fort Hill Activity Center | 40,650 | \$4,472 | 29 metric tons | | | | | | | | | | | | | | | | | | | |
| TOTAL | 72,893 | \$8,018 | 52 metric tons | | | | | | | | | | | | | | | | | | | |

Principle 3: Effective Use of Energy Resources (cont'd)

Theme: Energy Conservation – Indoor and Outdoor Facilities

| SUSTAINABLE PRACTICES | 2022 UPDATE | | | | | | | BENEFITS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|------------------------------|-----------------|----------------|----------------------------|--------------------------|--------------------|----------|------------------------|------------------------------|-----------------|----------------|----------------------------|--------------------------|--------------------|------|--------|---------|---------|-----|---------|----------|----------|------|--------|---------|---------|-----|---------|----------|----------|------|--------|---------|---------|-----|---------|----------|----------|------|--------|---------|---------|-----|---------|----------|----------|------|-------|---------|---------|-----|-------|----------|----------|------|--------|---------|---------|-----|---------|----------|----------|------|--------|---------|---------|-----|---------|----------|----------|--|
| <ul style="list-style-type: none"> The District conducts an ongoing energy audit, tracking electric and gas bills. Trades is upgrading to LED lights whenever budget allows. Energy efficient lighting and HVAC systems are installed in new buildings. Athletic fields use energy-efficient lighting that can be controlled remotely to accommodate schedule changes. All sports lighting is now integrated into the Control Link system. Drop-in tennis, sand volleyball, basketball court lighting and Frontier skate facility lighting are now on push button controls, for more energy savings. | Energy and Cost Savings for Control Link System <table border="1" data-bbox="430 467 1451 902"> <thead> <tr> <th>Year</th> <th>kWh Saved - Early Offs</th> <th>kWh Saved Using Push Buttons</th> <th>Total kWh Saved</th> <th>Tons CO2 Saved</th> <th>Cost Savings in Early Offs</th> <th>Cost Savings Push Button</th> <th>Total Cost Savings</th> </tr> </thead> <tbody> <tr> <td>2016</td> <td>20,189</td> <td>222,646</td> <td>242,835</td> <td>171</td> <td>\$1,817</td> <td>\$22,265</td> <td>\$24,082</td> </tr> <tr> <td>2017</td> <td>20,067</td> <td>258,380</td> <td>278,447</td> <td>207</td> <td>\$2,207</td> <td>\$28,422</td> <td>\$30,629</td> </tr> <tr> <td>2018</td> <td>25,089</td> <td>270,017</td> <td>295,106</td> <td>209</td> <td>\$2,760</td> <td>\$29,702</td> <td>\$32,462</td> </tr> <tr> <td>2019</td> <td>17,144</td> <td>299,517</td> <td>316,661</td> <td>224</td> <td>\$1,543</td> <td>\$32,947</td> <td>\$34,490</td> </tr> <tr> <td>2020</td> <td>6,744</td> <td>410,545</td> <td>417,289</td> <td>295</td> <td>\$607</td> <td>\$45,160</td> <td>\$45,767</td> </tr> <tr> <td>2021</td> <td>13,055</td> <td>708,243</td> <td>721,298</td> <td>511</td> <td>\$1,175</td> <td>\$77,907</td> <td>\$79,082</td> </tr> <tr> <td>2022</td> <td>11,800</td> <td>787,151</td> <td>798,951</td> <td>566</td> <td>\$1,298</td> <td>\$86,587</td> <td>\$87,885</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Sports lighting at Frontier Sports Complex for Fields 1-4 was upgraded to LED lights, reducing the annual wattage used by 153,060 watts. The project was supported by an IMEA/City of Naperville grant in the amount of \$40,000. Trades retrofitted the pathway lighting at Arbor Way and Spring-Field Park with LED inserts. | | | | | | | Year | kWh Saved - Early Offs | kWh Saved Using Push Buttons | Total kWh Saved | Tons CO2 Saved | Cost Savings in Early Offs | Cost Savings Push Button | Total Cost Savings | 2016 | 20,189 | 222,646 | 242,835 | 171 | \$1,817 | \$22,265 | \$24,082 | 2017 | 20,067 | 258,380 | 278,447 | 207 | \$2,207 | \$28,422 | \$30,629 | 2018 | 25,089 | 270,017 | 295,106 | 209 | \$2,760 | \$29,702 | \$32,462 | 2019 | 17,144 | 299,517 | 316,661 | 224 | \$1,543 | \$32,947 | \$34,490 | 2020 | 6,744 | 410,545 | 417,289 | 295 | \$607 | \$45,160 | \$45,767 | 2021 | 13,055 | 708,243 | 721,298 | 511 | \$1,175 | \$77,907 | \$79,082 | 2022 | 11,800 | 787,151 | 798,951 | 566 | \$1,298 | \$86,587 | \$87,885 | <ul style="list-style-type: none"> Reducing energy use realizes cost savings and reduction in pollution, water consumption & use of fossil fuels. |
| Year | kWh Saved - Early Offs | kWh Saved Using Push Buttons | Total kWh Saved | Tons CO2 Saved | Cost Savings in Early Offs | Cost Savings Push Button | Total Cost Savings | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2016 | 20,189 | 222,646 | 242,835 | 171 | \$1,817 | \$22,265 | \$24,082 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2017 | 20,067 | 258,380 | 278,447 | 207 | \$2,207 | \$28,422 | \$30,629 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2018 | 25,089 | 270,017 | 295,106 | 209 | \$2,760 | \$29,702 | \$32,462 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2019 | 17,144 | 299,517 | 316,661 | 224 | \$1,543 | \$32,947 | \$34,490 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2020 | 6,744 | 410,545 | 417,289 | 295 | \$607 | \$45,160 | \$45,767 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2021 | 13,055 | 708,243 | 721,298 | 511 | \$1,175 | \$77,907 | \$79,082 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2022 | 11,800 | 787,151 | 798,951 | 566 | \$1,298 | \$86,587 | \$87,885 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Principle 4: Reduction and Handling of Waste

| SUSTAINABLE PRACTICES | 2022 UPDATE | BENEFITS | | | | | | | | | | | | |
|---|--|-------------------|----------------|-------------|--------------------------------------|-------|----------------------|--|---------|-----|-----|-------------|--------------------------------------|--|
| <ul style="list-style-type: none"> • Conduct periodic waste audits. • The District specifies mixed-source recycling for its waste hauler contract, recycling approximately 35% of its total waste annually, with 25% comprised of recycled materials and 10% comprised of yard waste. • NPD asks contractors to recycle construction waste. • Staff continues recycling and reusing materials whenever possible. • Parks staff chips trees and uses mulch for trails, etc. • The District hosts community recycling opportunities when practical. • Tennis balls are recycled at Knoch Park Tennis Courts in a bin provided by high school students. • Fleet uses Pig Mats to absorb oil and then recycle it. • Fleet recycles all oil filters. • Central Parks uses 100% recycled paint for striping ball fields. • The District is looking into ways to reduce single-use plastic products such as drinking straws, plastic cups and utensils. | <ul style="list-style-type: none"> • Fleet began purchasing engine oil and hydraulic oil in bulk, reducing use of plastic containers and saving money. • Fleet recycles tires at a local plant—Liberty Tire Recycling in Aurora—that shreds the rubber on site and separates the steel material. Both the rubber and the steel are sold to industry for re-use. • Central Parks collected 1,000 leftover Christmas trees from local businesses to create valuable mulch. Central also collected manure from local horse farms for use by gardeners in the Ron Ory Community Garden Plots. • At the Garden Plots, 11,000 lbs. of pumpkins were dropped off and composted into the soil in the 6th annual Pumpkin Smash. • The District collected used, nonworking holiday lights from the community at Fort Hill Activity Center, Alfred Rubin Riverwalk Community Center and the golf shops and staff dropped off the lights at the City of Naperville’s recycling center, which accepts holiday lights. Approximately 1,450 lbs. of lights were recycled. <p style="text-align: center;">Other Materials Recycled/Reused in 2022</p> <table border="1" data-bbox="621 898 1631 1037"> <thead> <tr> <th>Engine Oil (gal.)</th> <th>Engine Coolant</th> <th>Pallets</th> <th>Tires</th> <th>Metal</th> <th>Electronic Equipment</th> </tr> </thead> <tbody> <tr> <td>500 gallons of used engine oil and 120 lbs. of oil filters</td> <td>50 lbs.</td> <td>107</td> <td>174</td> <td>16,365 lbs.</td> <td>445 lbs. recycled 79 lbs. re-used</td> </tr> </tbody> </table> | Engine Oil (gal.) | Engine Coolant | Pallets | Tires | Metal | Electronic Equipment | 500 gallons of used engine oil and 120 lbs. of oil filters | 50 lbs. | 107 | 174 | 16,365 lbs. | 445 lbs. recycled 79 lbs. re-used | <ul style="list-style-type: none"> • Materials are kept out of the landfill. • Reuse and recycling generate cost savings and rebates. • Composting pumpkins returns water and nutrients to the soil. • Using recycled paint from EarthPaint helps divert paint containers from the landfill. |
| Engine Oil (gal.) | Engine Coolant | Pallets | Tires | Metal | Electronic Equipment | | | | | | | | | |
| 500 gallons of used engine oil and 120 lbs. of oil filters | 50 lbs. | 107 | 174 | 16,365 lbs. | 445 lbs. recycled 79 lbs. re-used | | | | | | | | | |

Principle 5: Environmental Education and Interpretation

| SUSTAINABLE PRACTICES | 2022 UPDATE | BENEFITS |
|--|---|--|
| <ul style="list-style-type: none"> • The District maintains a page on its website with information about our environmental initiatives. • Interpretive signs (35 to date) are installed where appropriate to educate park visitors about our natural areas. • “Conservation at Home” signs showcase restoration and demonstration projects at the Ron Ory Community Garden Plots, Winding Creek Park, Frontier Sports Complex and Knoch Knolls Nature Center. • We promote a rain barrel sale with The Conservation Foundation as a part of Earth Week Naperville. • A volunteer training video is now available at www.napervilleparks.org. | <ul style="list-style-type: none"> • Visits to Knoch Knolls Nature Center continued to be reduced due to staffing levels and reduced hours. In 2022, drop-in visits totaled 8,738. • Visitors continued to access our mobile tour app in 2022, including an audio-described tour of Knoch Knolls Park near the Nature Center, an Earth Day Every Day tour and a new Sindt Woods Tour. These tours attracted 910 page views, 567 unique visitors and 79% new visitors. A new Nature Scavenger Hunt was added, for a total of 2, with 2,297 page views, 1,200 unique visitors and 55% new visitors. • In-person nature programs in 2022 included Creepy Critters Month (454 attended), Nature Birthday Parties (48 participants), Nature summer camps (121 participants), Hikes with a Naturalist (139 participants), Scout programs (205 scouts), Nature Playtime (15 participants) and 2 Winter Craft Workshops with 44 participants. • Nature Center staff offered 5 school programs with 190 children participating and collaborated with Naperville Public Library, Naper Settlement and DuPage Children’s Museum to host the Naperville Plays program with 250 participants. • Nature Discovery Kits were purchased by 22 families. • The Earth Day Fair was held at Fort Hill Activity Center with attendance of approximately 350. • Naperville Park District collaborated with other organizations to promote Earth Week Naperville in 2022, including volunteer projects in the parks and forest preserves and other opportunities to participate in green initiatives, for example, purchasing and planting trees, a compost bin or a rain barrel. • In 2022, 475 volunteers contributed 1,996 hours to help Naperville Park District with park maintenance and environmental projects. • The Ron Ory Community Garden Plots were filled nearly to capacity, with 99% of the plots rented. Two free gardening workshops were held with a total of 40 participants. A series of 3 educational programs about landscaping attracted 56 participants. • The Farmers Market was renamed the Outdoor Market, with 14 vendors and 5,486 visitors over the season. • The Park District added information to the website about restoration projects in the parks to explain to residents the benefits of removing invasive trees and plants to allow the growth of native trees and plants. | <ul style="list-style-type: none"> • NPD is known as a leader in promoting green practices. • Education and communication lead to growth in sustainable practices within NPD and in the community. |