

Economic and Community Impact Statement





MISSION

The Field Museum is an educational institution concerned with the diversity and relationships in nature and among cultures. Combining the fields of Anthropology, Botany, Geology, Paleontology, and Zoology, the Field uses an interdisciplinary approach to increasing knowledge about the past, present, and future of the physical earth, its plants, animals, people, and cultures.



HISTORY

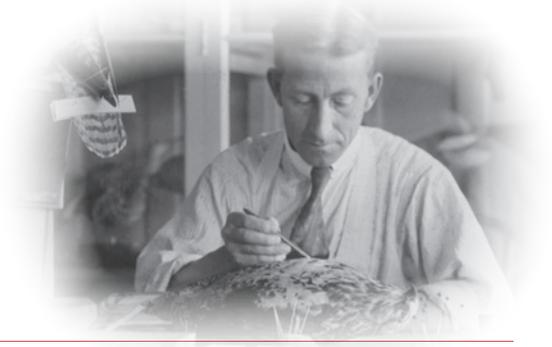
The Field Museum was incorporated in the State of Illinois in 1893 as the Columbian Museum of Chicago. Its first collections were composed of 50,000 ethnographic and archaeological objects displayed at the Chicago World's Fair of 1893. In 1905, its name became the Field Museum of Natural History in honor of Marshall Field, the first major benefactor, and to emphasize its focus on the natural sciences. In 1921, the Field moved from Jackson Park to its current site on Chicago Park District property.

The Field Museum is the 4th-largest museum of natural history.

Table of Contents

- 1** Statement of Budgeted Operating Activities
- 2** Impacting the Local Economy
- 3** Enhancing Science Education in Public Schools
- 7** Serving as Custodian of a World-class Collection
- 9** Performing as a Leading Research Institution
- 12** Presenting World-class Exhibitions
- 14** Helping the Environment
- 17** Making a Greener Field Museum

Statement of Budgeted Operating Activities



Governance
 The Field Museum is a not-for-profit organization.

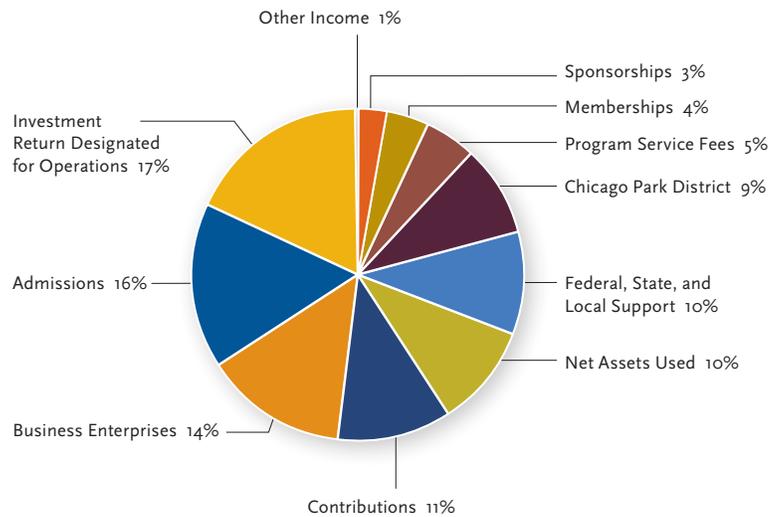
Leadership
John W. McCarter, Jr.
President & CEO

John W. Rowe
Chairman of the Board of Trustees



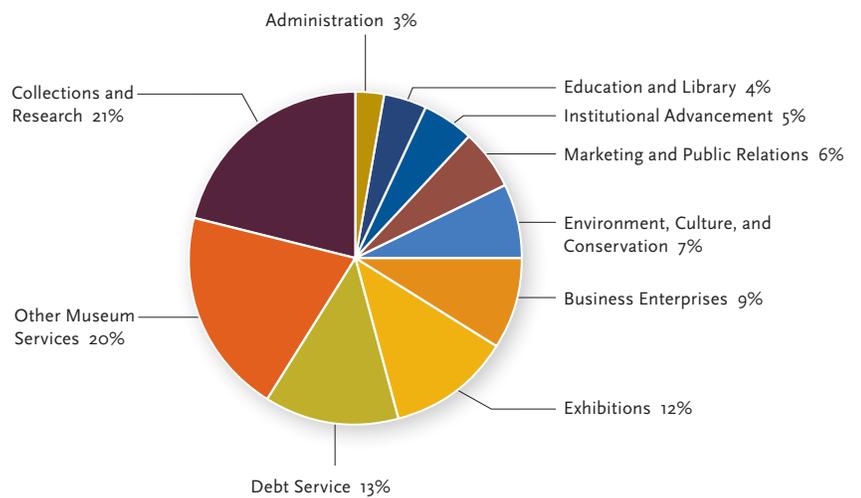
Statement of Budgeted Operating Activities (2010)

Total \$68 million



Operating Budget Expenditures (2010)

Total \$64.7 million



* Read the annual report at <http://fieldmuseum.org/about/annual-reports>.

Impacting the Local Economy



1.26 million people (900,000 out-of-town guests) visited the Field (2010)

\$6.7 million in federal, state, and local **grants awarded** (2010)

\$59,366,000 spent annually on employee compensation, outside goods, and services in Illinois (2010)

504 employees (96% of staff) are **residents of Illinois** (2011)

Serving the Community

300,000 residents of Chicago visit the Field annually

315,000 residents of Illinois and its surrounding states visit the Field annually

121,713 adults and children visited the Field using CityPASS (2010)

4.5 million visitors reached online and through outreach programs

44,586 museum members (2010)

Hundreds of admission tickets donated to local charities (2010)



Free Admission

89,688 people took advantage of free admission opportunities (2010)

- Chicago firefighters and police officers
- teachers
- active members of the military
- families using the Kraft Great Kids Museum Passport and Park Voyagers pass
- residents of Illinois (52 days per year)
- employees of other museums
- members of the Association of Science-technology Centers
- members of the press using Passport Chicago

Discounts on General Admission

- \$3 off for residents of Chicago, seniors, and students
- \$5 off for children

Enhancing Science Education in Illinois' Public Schools



The Field Museum reaches out to diverse publics and their changing educational needs, with a special responsibility to the people of Chicago and Illinois. The Field builds on its long-standing tradition of outreach, which takes its resources and programs to schools and communities.

Serving Illinois' School Children

575,000 student visitors (2010)

195,000 student field-trip visitors (2010)

50,000 CPS students attended free field trips (2010)

123 staff visits to school classrooms (2010)

159 school-based teacher courses (2010)

7,862 students served through programs conducted in 124 schools (2010)

Harris Educational Loan Center

The Center offers portable exhibit cases to schoolteachers to spark students' curiosity, reinforce concepts, and integrate field trips into the classroom. Included are hands-on activities drawn from the Field's collections, educator guides, books, and videos.



Getting Students Interested in Science through Hands-on Workshops

Unlike schooling, learning in a museum is self-motivated and self-directed. Information is communicated primarily through real, tangible objects.

Crown Family PlayLab

Children engage in active-play learning in 6 environments filled with activities designed to stimulate young children's curiosity and engage them in problem solving and creative pursuits. (ages 2 to 6)

The Great Fossil Hunt

Students learn how to identify a fossil and to create a dig-pit grid system to remember find locations. They practice scientific illustration and make inferences about the origins of fossils. (3rd to 8th grade)

Soil Adventure

Students practice science-processing skills and learn why soil is important to plants, animals, and people. (3rd to 8th grade)

Egypt Unwrapped

Students discover the symbolism and science behind traveling to the afterlife by wrapping a mummy replica and participating in a wailing ceremony. (3rd to 8th grade)



Art of Ancient Pottery

Students investigate artifacts, explore ceramic shards used in the ancient Americas, then make pottery using only tools and techniques available to early potters. (3rd to 8th grade)

WhyReef

Using a virtual environment, students discover the creatures that live on a coral reef, play games that reinforce trophic levels, and learn what they can do to keep marine ecosystems healthy. (6th to 8th grade)

Unraveling DNA

Students investigate the fundamental principles of DNA and genetics and extract DNA in a lab. (6th to 12th grade)

Renewable Energy Vehicle

Students investigate viscosity and determine the best plant-based fuel for varying weather conditions. Students role-play parts of a solar panel to see how the sun's energy can be harvested for power. (6th to 12th grade)

I Dig Science

Students from disparate locations use 3D, virtual-world technologies to collaborate in real time with a team of scientists performing fieldwork. Teens learn about the connections between climate change and extinction by participating in virtual fossil digs. (9th to 12th grade)



Training Tomorrow's Scientists

DNA Research Summer Residency

The Summer Residency provides Chicago and suburban high school students a paid opportunity to conduct genetic research alongside accomplished Field Museum scientists. Students are trained in molecular biology laboratory methods and equipment.

Postdoctoral Fellowships

- 12 postdoctoral scientists (2011)

Internships

The Field maintains a program of academically rigorous internships in the departments of Anthropology, Botany, Geology, and Zoology. Students work directly with collections managers and curators.

- 18 high school, 117 undergraduate, and 23 graduate student interns (2010)



UNIVERSITY PARTNERSHIPS

Field Museum curators serve on the faculty of and may co-chair doctoral committees for 4 joint programs:

The Field Museum-University of Illinois at Chicago Joint Doctoral Program in Anthropology

The Field Museum-Northwestern University Collaborative Doctoral Program in Anthropology

Committee on Evolutionary Biology at the University of Chicago

Ecology and Evolution Graduate Study in the Department of Biological Sciences at the University of Illinois at Chicago

Field Museum curators advised 172 graduate students (2010)

Training Illinois' Teachers

Early Elementary Science Partnership

E2SP seeks to improve elementary-science teaching and learning in 7 Chicago Public Schools by engaging their K–3 educators, students, and leaders through professional development, field trips, in-classroom instructional support, and school-based collaborative activities. The Field is a partner member.

DNA Summer Residency for Educators

The Summer Residency is a paid opportunity for educators from local schools to conduct genetic research alongside Field Museum scientists. Educators work with Field staff members to develop classroom-learning activities and lessons.

Educator Workshops

Educators earn CPDUs, CEUs, CPS Lane Credit, or National Louis graduate credit.

Educator In-services

In-services teach K- to 12th-grade educators the ins and outs of planning successful, focused field trips; how to bring the Field's collections to their classroom; or dive deep into content. Teachers schedule a 3-hour customized professional-development program at the Field or at their school.

Field Ambassador Program

The Ambassador Program provides local educators with on-going professional development using the Field's exhibits, collections, and educational programs. Ambassadors participate in 30 hours of training on the Field's 4 academic areas and on teaching strategies that leverage informal learning resources. The program has trained 300 educators.



Serving as Custodian of a World-class Collection



The Field Museum holds encyclopedic collections of biological and geological specimens and cultural objects. Like a great research library, its collections are a crucial part of the world's knowledge database for the sciences, the humanities, and the arts.

Building Collections for Future Generations

24.5 million objects and specimens

200,000 items added each year

100% of collection is stored on site to be readily accessible to Field researchers

1% of the collection is on public display

Anthropology

- 1.1 million specimens
- 10 laboratories and curatorial workrooms
- one of the best collections of Native American artifacts

Botany

- 2.8 million specimens, including 40,000 types
- 5th-largest herbarium in the Western Hemisphere
- one of the world's preeminent depositories of Central and South American plants

Geology

- 5th-largest meteorite collection
- among the 10-largest paleontological collections, with 550,000 specimens
- forms, together with colleagues at local universities, one of the nation's largest concentrations of paleontologists and one of the key meteoritics research groups

Zoology

- 20 million specimens
- one of the largest and most comprehensive zoological collections
- 6 research divisions: amphibians and reptiles, birds, fishes, insects, invertebrates, and mammals



Library

- 275,000 books and journals
- 278 subscriptions to domestic and foreign journals
- 1,800 feet of archival records
- 300,000 photographic images
- 7,500 rare books
- 3,000 works of art

Presenting Rare Objects and Specimens to the Public

Sue

Sue is the largest, most-complete, and best-preserved *Tyrannosaurus rex* fossil ever discovered.

Man-eating Lions of Tsavo

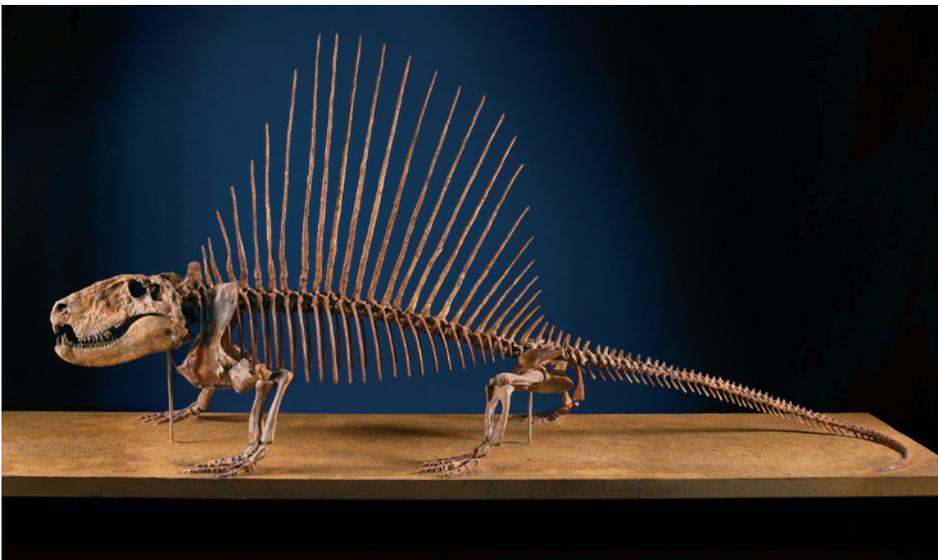
Rice Hall is home to the world-famous man-eating lions of Tsavo.

Chalmer's Topaz

At 5,890 carats, the Chalmer's topaz is among the Field's most prized jewels.

Dimetrodon

This fin-backed creature was more closely related to humans than to dinosaurs. It was among the world's first synapsids (animals characterized by the existence of a single hole in the skull behind each eye socket). This hole evolved as an attachment point for sophisticated jaw muscles.



Performing as a Leading Research Institution



An international leader in evolutionary biology and paleontology, archaeology, and ethnography, the Field Museum maintains a vital program of basic research that stimulates active and pioneering uses of the collections.

Performing Research

- 90 staff members possess a doctorate
- 40 staff members possess a master's degree
- 80% of staff positions are grant funded or volunteer

Making Contributions to Science

- 288 scientific papers published (2010)
- active research in 40 countries
- 114 active research grants, totaling \$16.7 million

RECENT DISCOVERIES

Human warfare arose very late in the history of our species.

A recent review of human remains from around the world by Jonathan Haas (MacArthur Curator of the Americas) and Matthew Piscitelli (UIC graduate student) found that there are only 5 archaeological sites out of over 400 with any signs of violence in the skeletons dating prior to 10,000 BC.

Origins of the human lineage pushed back by 3 million years.

Teaming with statisticians and molecular tree-builders, Robert Martin (A. Watson Armour III Curator of Biological Anthropology) has helped push back the time of divergence between humans and chimpanzees to about 8 million years instead of the widely accepted 5 million years.

100 new species of lichens, a group of ecologically important fungi, discovered in a single publication.

The species were found all over the world and demonstrate how little we know about the diversity of these organisms.

400 new species of lichens discovered in the past decade.

The Field houses one of the most important collections of lichens and some of the field's leading lichen experts. Lichens are key indicators of the ecosystem's health and climate change and are sources for pharmaceutically active compounds.

Creating State-of-the-art Laboratories for Research

Pritzker Laboratory for Molecular Systematics and Evolution

The Pritzker Lab is a multi-user core facility whose mission is the analysis of genetic data to describe, study, and conserve the world's biodiversity. The main sources of specimens are the Field's frozen genetic resource collections in its zoology and botany departments. Since 2000, the Lab has trained 298 people from 33 countries. It currently is conducting 100 projects.

Elemental Analysis Facility for Compositional Chemistry

The EAF is a multi-instrument facility that characterizes the compositions of anthropological collections for research and conservation. The Lab has trained 57 people, mostly students; has characterized 13,400 samples from 90 projects; and has generated 38 scientific publications.

Robert A. Pritzker Center for Meteoritics and Polar Studies

The Pritzker Center is a research center with a strong focus on studies of stardust grains, which contain information about the time before the birth of the Sun and planets; meteorites, to learn about more recent cosmic collisions; and the natural science of Earth's polar regions. The center houses the largest meteorite collection at a private institution; it holds 2,200 meteorites and 8,400 specimens.



Giving the Public Live Access to Laboratory Research

The McDonald's Fossil Preparation Lab

The Prep Lab gives visitors an up-close look at how paleontologists expose, clean, and preserve fossils to ready them for scientific study.

The Regenstein Pacific Conservation Laboratory

Regenstein is a glass-enclosed, climate-controlled lab in the exhibit *Traveling the Pacific*. Scientists here conserve objects from the Pacific collections.

The Daniel F. and Ada L. Rice DNA Discovery Center

The Discovery Center is the window into the Pritzker Lab. Visitors can observe—and talk daily with—scientists as they conduct research in a state-of-the-art genetics lab. The Pritzker Lab trains high school, undergraduate, and graduate students; their work is witnessed here.



Presenting World-class Exhibitions



The **exhibit** is the principal avenue of public learning at the Field Museum. The focus is on critical environmental and cultural issues, which are **engaging and relevant to the public's daily lives and civic responsibilities**.

Attracting Record-breaking Audiences through Temporary Exhibitions

904,898 visitors to *Tutankhamen and the Golden Age of the Pharaohs*

407,451 visitors to *Real Pirates: The Untold Story of the Whydah from Slave Ship to Pirate Ship*

352,715 visitors to *Whales: Giants of the Deep*



Bringing the World to Chicago through 37 Permanent Exhibitions

Abbott Hall of Conservation Restoring Earth

The Field's newest permanent exhibit, *Abbott Hall*, is where Field Museum scientists' work in the field comes to life. Visitors are immersed in adventures with Field scientists as they promote conservation in Chicago, South America, Madagascar, the Philippines, and coral reefs.



Grainger Hall of Gems

A favorite since 1921, *Grainger Hall* takes a unique approach to understanding the natural history of precious stones. The gems are arranged according to type for a greater understanding of their relationships.

Inside Ancient Egypt

Inside Ancient Egypt takes visitors on a journey into the mysterious and fascinating culture of ancient Egypt. It presents the largest collection of mummies in the United States.

Evolving Planet

Hailed as one of the best explanations of evolution in a museum, *Evolving Planet* explores 4 billion years of evolution. It includes 1,300 unique specimens and 100 interactive displays.



Ancient Americas

An innovative exhibit, *Ancient Americas* tells the epic story of human life on the American continents, from the arrival of hunter-gatherers to the empires of the Aztecs and the Incas. Based on groundbreaking research by Field scientists and others, *Ancient Americas* shatters long-held preconceptions.



Helping the Environment



ECCo (the Division of Environment, Culture, and Conservation) translates museum science into lasting results for conservation and cultural understanding. ECCo **works toward a vision of a sustainable landscape in the Chicago metropolitan region.**

Preserving Chicago's Landscape through Collaborations

Calumet Stewardship Initiative

An industrial region challenged environmentally over the past century, Calumet is home to rich biological diversity. The Initiative engages residents of Calumet and 40 member organizations in partnerships that advance nature education, environmental stewardship, scientific discovery, cultural understanding, and economic growth. The Field chairs the steering committee.



Chicago Cultural Alliance

The Chicago Cultural Alliance is a consortium of Chicago's ethnic museums, cultural centers, and historical societies, whose mission is to effect social change and public understanding of cultural diversity through first-voice perspectives. The Field helps members draw upon traditions of heritage to address social and environmental issues and engage its members in regional efforts toward sustainability.



Chicago Wilderness

Chicago Wilderness is an alliance of 260 organizations that has implemented 500 collaborative projects to protect, restore, and manage the rich natural heritage of the Chicago region. The Field has contributed a regional invasive species policy, a species-of-concern list, and the Index of Conservation Compatibility to measure conservation progress, and promotes opportunities for children to connect with the outdoors.



Implementing Change through Advisory Roles

Bird Conservation Network

The BCN is a coalition of 18 organizations that promotes bird conservation and preserving and restoring bird habitat in the Chicago Region. The Field provides technical support to Lights Out Chicago, which saves the lives of some 10,000 birds a year.

Calumet Millennium Reserve Project

Part of the White House's America's Great Outdoors effort, the Reserve project is a conservation initiative to increase natural green space in Chicago. The largest open-space project in the country, it will enhance public recreation opportunities on 140,000 acres in the Calumet region. The Field serves on the advisory committee.

Chicago Mayoral Nature and Wildlife Committee

The Committee identifies prairies, savannas, dunes, woodlands, wetlands, and potential restoration areas throughout Chicago. It seeks to establish a framework to protect and expand individual ecosystems and landscapes. The Field serves on the advisory committee.

Forest Preserve District of Cook County

The Forest Preserve District's mission is to acquire and preserve natural forests. The Field serves on the advisory committees for restoration policy, volunteer management, and monitoring.

Illinois Department of Natural Resources Endangered Species Protection Board

The Board determines what plant and animal species are listed as threatened or endangered in the state and advises the Illinois Department of Natural Resources on means to conserve those species. Appointed by Governor Quinn, ECCo Urban Conservation Director Laurel Ross is serving a 3-year term on the Board.

Illinois Lake Michigan Implementation Plan

The Plan is a collaboration of the Illinois Department of Natural Resources, Alliance for the Great Lakes, Chicago Wilderness, and the Biodiversity Project for coastal restoration. The Field co-chairs the committee to create an agenda for the restoration and protection of Lake Michigan coastal resources.



Training Illinois' Teachers

The Field's Calumet Environmental Education Program (CEEP) provides teacher-training programs that annually reach 100 educators in the Calumet region.

Getting Students Interested in Conservation

Mighty Acorns

Students learn basic ecological concepts through a series of classroom lessons and field experiences. Taking 3 field trips each year to a local park, prairie, or woodland, students explore the flora and fauna to observe ecological relationships. (4th to 6th grade)



Earth Force

Students identify a local environmental issue and implement an action plan in coordination with community-based organizations. Students work on such projects as raising beetles that are a biological control for invasive purple loosestrife. They learn to collect and interpret data and investigate their hypotheses. (6th to 8th grade)

Inquiry Groups

Inquiry Groups is a series of meetings at which CEEP teachers collaborate with each other to exchange ideas about activities, teaching methods, and technology.

Calumet is My Backyard (CIMBY)

Students learn to become citizen-scientists by tracking the ecological health of green spaces and conducting biological inventories of local natural areas. They participate in activities throughout the school year, from ecological restoration to classroom activities and leadership-training workshops. (9th to 12th grade)



Making a Greener Field Museum



A **Greener Field Initiative** is a recycling effort with representatives from every area of the Field Museum. It is a vehicle to initiate and implement institution-wide green programs.

Becoming Energy Efficient

Chiller/Thermal Storage System

This system produces ice during evening hours, when energy costs are lowest, and places it in thermal storage units to be used to chill air that circulates through the building during the day. The system reduces the Field's impact on the region's grid system and aids climate control.

LED and Florescent Lighting

LED lighting is being installed in phases around the Field to reduce energy consumption. The Field has produced a 40% cost savings in lighting by replacing incandescent bulbs with fluorescent ones and by updating fluorescent fixtures to more energy-efficient models.

Solar Array

A 99.4 Kilowatt photovoltaic solar array is on the Field's roof. When it was installed in 2002, it was the largest in Illinois.



Utilizing Native Resources

Forest Stewardship Council–certified Wood

When new flooring is required, the Field favors Forest Stewardship Council-certified wood and reclaimed wood.

Native–plant Landscaping

The Field has been making efforts for many years to include native plants in its landscaping. Native plants are acclimated to Chicago's climate and thus require less water than exotic plants.

Water Filters

The Field has made steps to reduce the use of bottled water by adding high-quality water filters to water fountains in public areas and sinks in staff areas.

Air Hand Dryers

Air dryers have replaced paper towels in public washrooms to reduce paper consumption.

Recycling

The Field has a 30% recycling rate. The Field recycles annually 56 tons of cardboard, 74 tons of paper, and 8 tons of e-waste. A staff-recycling center collects used eyeglasses, cell phones, Tyvek, batteries, and LaserJet printer cartridges.

Utilizing Environmentally Friendly Housekeeping Technologies

Housekeeping is performed in accordance with the LEED-recognized Green Cleaning program. This comprehensive approach combines chemicals, equipment, tools, and disposables to produce a safe cleaning program.

Toxin-free Cleaning Materials

The Field has eliminated the use of environmentally toxic materials.

Microfiber Cleaning Cloths and Mops

The Field has eliminated the use of paper towels for cleaning.



Encouraging Environmentally Friendly Transportation

Bicycles

The Field is the first institution of its kind to develop a shared bicycle program; it provides 5 bicycles for staff to attend meetings off site, run errands, or exercise.

20% of the staff commutes to work by bicycle on a regular basis. The Field provides an indoor, secured bicycle facility and showers.

The Field has won the Active Transportation Alliance's Bicycle Commuter Challenge for the past 6 years.



Public Transportation

The Field offers a payroll deduction for CTA tickets and a subsidized membership in I-GO Car Sharing.



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