2020 ANNUAL REPORT

A YEAR OF resilience
Founded in 1994 as a not-for-profit 501(c)(3) organization, the ASCE Foundation has inspired a generous spirit of giving in support of civil engineers as global leaders, building a better quality of life.

The Foundation was established to own and operate ASCE’s headquarters building. During its first campaign, funds were raised to purchase and renovate the office building in Reston, Virginia. Since then, the Foundation has gone far beyond that real estate investment, raising more than $43 million for ASCE’s 150th Anniversary, Dream Big, Engineering Our World, and many ASCE programs in support of civil engineers and the profession.

Our Mission / Vision Statement

The ASCE Foundation develops resources to build a stronger profession to meet the global challenges today and tomorrow.

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The Foundation’s Council of Trustees was established in 2012, to help steward and maximize the impact of your gifts, now and in the future. They are a non-governing body of the Foundation.

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Dear Friends and Colleagues,

On behalf of the ASCE Foundation Board of Directors, its Council of Trustees, and staff, thank you for your generous support during the unprecedented year of 2020. As we look back over the past year, it has certainly been an extraordinary and challenging one for our country. In spite of it all, we have carried on with our mission to support the civil engineering profession. We are deeply grateful to have such loyal benefactors that share our passion for the future of the civil engineering community.

Your generosity allows us to continue to fund resources that build a stronger profession to meet tomorrow's challenges. We devote our time and passion to ensuring ASCE has the funding needed to provide essential programs to civil engineers at every career stage, from student to retirement. We accomplish this by focusing on four broad categories: education, leadership, student activities, and engineering programs. These categories include established ASCE programs, such as National Concrete Canoe Competition, and new initiatives like Future World Vision. Focusing on these four categories enables us to support current civil engineering efforts and provide the resources needed to propel our profession forward.

I am proud of the work we do and to serve as the president of the ASCE Foundation. Every day the generosity of our donors inspires me. Each of you shares our dedication for the civil engineering profession and our desire to pay it forward. In the following pages, you will find a detailed look at the programs you made possible with your gifts to the ASCE Foundation in 2020. Truly wonderful accomplishments during a year of global change.

Thank you for your philanthropic leadership and for giving back to your profession.

Sincerely,

H. G. (Gerry) Schwartz, Jr., Ph.D., P.E., Pres.02.ASCE, NAE
INVESTMENTS
The ASCE Foundation cultivates and develops a culture of philanthropy to raise funds for ASCE activities and special projects to advance the civil engineering profession.

ACTIVITIES
The ASCE Foundation engages the philanthropic community, invests in students as the next generation of civil engineers, shares information about the profession and infrastructure, and provides opportunities for professional and personal development and networking.

IMMEDIATE OUTCOMES
1–2 YEARS
Through Foundation-funded programs, ASCE members continue to grow and gain new knowledge as individuals and professionals. The profession and Foundation also grow in positive and new directions, as opportunities arise.

ONGOING OUTCOMES
3–5 YEARS
With strong professional networks and the availability of ASCE resources funded by the ASCE Foundation, civil engineers will have the skills and partnerships to create innovative sustainable solutions for the problems facing their community, and communities across the globe.

LONG-TERM IMPACT
5+ YEARS
Through ASCE Foundation-funded programs, ASCE members will become successful leaders solving pressing societal problems, and improving quality of life, by investing in the next generation, and planning for the future.
The Foundation was awarded a 100/100 Encompass Rating from Charity Navigator. This powerful trust indicator demonstrates to donors they can give with confidence due to our financial health, transparency, and accountability.

The Foundation earned the GuideStar Gold Seal of Transparency. This recognition shows commitment to transparency. By providing up-to-date information, nonprofits allow potential donors and funders to make educated decisions.
Educational Programs

Your gifts support the continuing education of ASCE members and inform the public about civil engineering and its importance. Through ASCE education programs, ASCE members will continue to develop their professional skills and drive innovative solutions while introducing civil engineering to the next generation. Aligned with evolving guidance, tools, and training, ASCE members will be well-positioned to serve their communities and gain diverse hands-on experience.

Engineering Programs

Your gifts support advancing the profession through engineering programs to engage ASCE members and their communities. Through these efforts, ASCE members are able to advocate for change locally and globally, support young professionals, and reimagine the relationship of infrastructure and society.

Leadership Programs

Your gifts support leadership training programs for ASCE members at every career stage. With the help of Foundation-funded leadership programs, ASCE members will be empowered to pursue and achieve their goals and become leaders in their communities. Civil engineers will continue to be leaders in civil engineering and, through innovative problem-solving, expand and safeguard public health and welfare.
Student Activities

Your gifts support students as the future of civil engineering. Through ASCE student programs, current and future generations of civil engineering students are getting connected with their peers and mentors from across the globe while expanding their personal and professional skills. Where the energy of young people is met with opportunity and guidance, the next generation of civil engineers will become well equipped to meet the engineering challenges of the future.

Endowed Scholarship Recipients 2020–2021

With generous support from ASCE members and their families, endowed scholarships through the ASCE Foundation provide tuition assistance for these ASCE Student Members.

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Did you know?

When making a contribution to the Foundation, you can select the program you would like your gift to support.
The ASCE Foundation unveiled a newly renovated ASCE Global Headquarters parking lot in November. The project will serve as a green infrastructure demonstration project for the Northern Virginia region. It was renovated using low-impact development (LID) practices to reduce stormwater runoff and to improve stormwater quality discharged to the watershed. Features include 6,000 square feet of permeable interlocking pavers; a courtyard area with engraved pavers, and stormwater management system; a Filterra® unit, Stormcrete® precast porous concrete parking spaces and walkways, and asphalt with an additive comprised of recycled tire rubber.

The goal of the project is to promote sustainable infrastructure and provide a demonstration project with outdoor educational tools for members, visitors, and students to engage with and learn about sustainable infrastructure solutions.

**Did you know?**
This Project was funded 100% by generous contributions to the Foundation. [CLICK HERE](#) to see a list of supporters.

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**Features**

**STORMCRETE® MODULAR PRECAST POROUS CONCRETE SLABS** - During a storm, runoff flows over pavement, picking up pollutants such as dirt, grease and oil. These contaminants are then washed into streams and storm sewer systems. Porous concrete allows water to drain through the concrete and the underlying stone bed and reduces the amount of pollutants from entering storm drains or waterways.

**FOCALPOINT BIOFILTRATION SYSTEM** - Stormwater runoff from urban areas often contains many types of pollutants, including sediment, oil and grease, chemicals, pesticides, heavy metals, bacteria, viruses, and oxygen-demanding compounds. Water biofiltration improves water quality using living material to capture, absorb, consume, or biologically transform these pollutants.
**FILterra SYSTEM** - With pollutants in stormwater runoff, stormwater is filtered through a mulch layer, capturing heavy sediment and debris. The mulch layer also helps retain water for the system's vegetation. Designs like this Filterra system provide a Low Impact Development (LID) solution for tight, highly developed sites, such as commercial parking lots, residential streets, and streetscapes. Its small footprint also reduces installation and life-cycle costs versus traditional bioretention methods.

**PERMEABLE PAVER AREA** - As cities and suburbs become larger and more densely populated, sidewalks, parking lots, and roads have replaced natural vegetation. These impervious surfaces dramatically increase stormwater runoff and pollution resulting in streambank erosion, flooding, and water quality degradation. As an LID tool, permeable interlocking concrete pavement allows runoff to infiltrate into its joints, then stores and filters stormwater through aggregate in the bedding, base, and subbase before returning to the soil. This innovative permeable pavement greatly reduces runoff volumes and water pollution while recharging groundwater aquifers. In addition, stress and damage to the existing drainage infrastructure are reduced as well as local flooding.

**PAVEMENT WITH RECYCLED ADDITIVE (DRY PROCESS RUBBERIZED ASPHALT)** - An alternative to traditional road paving material, this type of asphalt helps to extend pavement life and is made by blending finely ground scrap tires into an asphalt mixer. Benefits include cost savings, safety and noise reduction. Donated by Asphalt Plus Elaskito, LLC, the mix contained about 722 scrap tires which represents about four years of tires for 155 employees.

*Watch the ASCE Walks the Talk video to learn more about the project.*
Future World Vision combines artificial intelligence and gaming technology in a unique, immersive 3-D experience. It invites engineers to engage in an in-depth examination of the most important trends shaping the globe and how those trends might play out over the next 10, 25, and 50 years.

Never before has the future looked so exciting. From autonomous vehicles to the most cutting-edge green technologies, the built environment is reshaping before our eyes.

Exciting as it is, these changes breed challenges. The future will require a new way of doing things. A new approach. A new vision.

ASCE has launched a bold, comprehensive project to anticipate, reimagine, and prepare for future changes.

Future World Vision combines artificial intelligence and gaming technology in a unique, immersive 3-D experience. The interactive, immersive Future World Vision experience will encompass five future cities. Each world, the first of which is Mega City is being constructed in a real-time 4-D computer simulation model. The software eventually will work across multiple platforms, from your desktop computer to your handheld device to augmented reality and virtual reality.

It is one part movie, one part video game, one part research paper, one part science project – all parts essential to pushing civil engineers into the future.
Mega City 2070

The Mega City arises from a foundation of cities that already exist. The United Nations predicts that by 2050 some 2.5 billion more people will be living in cities across the globe, and the Mega City world serves as a first step in answering the questions: How will all of these people be accommodated while maintaining the best possible quality of life? And how can civil engineers help bring this vision to life?

The Mega City helps us look out 50 years and think about how to provide a safe, economically viable, enjoyable place for up to 50 million residents to live and work. Food, shelter, utilities, transportation, health care, and all forms of infrastructure will be generated and provided within its boundaries by using and reusing resources in a sustainable and resilient way—a process known as a circular economy.

Works Cited:


Thank you to our 2020 Donors!

Listed in this report are the generous individuals, organizations, and companies contributing to the ASCE Foundation between January 1 and December 31, 2020. These gifts helped the ASCE Foundation fulfill its mission of developing resources to build a stronger profession to meet tomorrow’s national and global challenges.

1852 Society

Members of the 1852 Society are individuals whose extraordinary generosity to the ASCE Foundation totals $10,000, or more, during their lifetime. The 1852 Society is named after the year ASCE was established, paying homage to ASCE’s impressive history and tradition of achievements.

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Founders demonstrate their dedication to supporting the civil engineering profession through an impact gift of $20,000, or more, that is above and beyond their annual giving. Founder’s gifts may be unrestricted, or may be restricted to an ASCE program that is important to you.

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- Gerald Buckwalter
- Christopher B. Burke
- John L. & Karen E. Carrato
- Earl T. Conrad
- Ethan D. Grossman
- Jon D. Magnusson
- Vilas & Ingrid Mujumdar
- Thomas W. Smith, III
- Richard and Mary Jo Stanley* - Community Foundation of Greater Muscatine
- Robert D. Stevens
- Robert P. Wadell

James Laurie Visionary Circle

Named after the co-founder and first president of ASCE, the James Laurie Visionary Circle represents our most dedicated annual supporters. Each member has made an initial gift of $5,000, and has committed to an annual gift of $1,000, or more, each year.

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- Robert P. Wadell
- Davis Family Foundation
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Sustainer Circle members contribute monthly recurring gifts to the ASCE Foundation to maximize the value of their gifts, through an easy automated process.

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The Pacesetters Circle honors individuals who have been consistent annual supporters of the ASCE Foundation for five, or more, consecutive years. These supporters are our most loyal, and their annual gifts help the Foundation propel the profession into the future. Donors reaching the 5-year milestone levels are listed here.

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<td>Albina Gaudino</td>
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<td>Ali Ghahremani</td>
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<td>Rajaram A. Gokhale</td>
<td>Vijaykumar R. Gokhale</td>
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<tr>
<td>Natter &amp; Geraldine Grebinski</td>
<td>Michael A. Grebinski</td>
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<tr>
<td>Ms. Manorama Gupta</td>
<td>Malay Gupta</td>
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<td>Costande Yacoub</td>
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<td>Pat Quinn</td>
<td>Ronald F. Kornell</td>
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<td>Caroline &amp; Henry E. Winter</td>
<td>Carol W. La Grasse</td>
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<tr>
<td>Edmund Francis Lineham</td>
<td>Julian J. Lineham</td>
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<td>Dr. Bert Hoare</td>
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<td>James Demirgiou, P.E.</td>
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<tr>
<td>Raymond Ronquillo</td>
<td>Daryl B. Patin</td>
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<tr>
<td>Aida Perez</td>
<td>Aristotle S. Perez</td>
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<tr>
<td>Ronald J. Pitters</td>
<td>Lys Pitters</td>
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<tr>
<td>Donald J. Rawlings</td>
<td>Charles Rayot</td>
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<tr>
<td>Gary Gilbert</td>
<td>Elizabeth Ruedas</td>
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<tr>
<td>My Mother &amp; Father</td>
<td>Labh S. Sachdev</td>
</tr>
<tr>
<td>Lt. Col Edward O’Neil USMC</td>
<td>Brian P. Seguin</td>
</tr>
<tr>
<td>John H. Siegel, P.E., M.ASCE</td>
<td>Jeanne P. Siegel</td>
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### MEMORIALS (Cont.)

<table>
<thead>
<tr>
<th>IN MEMORY OF</th>
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<tbody>
<tr>
<td>Howie Meeker</td>
<td>Steven Stelzer</td>
</tr>
<tr>
<td>Elizabeth Treybig</td>
<td>Harvey J. Treybig</td>
</tr>
<tr>
<td>Prof. Joachim Laguros</td>
<td>Mehmet T. Tunay</td>
</tr>
<tr>
<td>Nai C. Yang and Reginald J. Sutherland</td>
<td>George P. Vittas</td>
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<tr>
<td>William G. Belli, P.E.</td>
<td>Walter C. Waidelich</td>
</tr>
<tr>
<td>John Talty</td>
<td>James A. Walsh</td>
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<tr>
<td>Guin Warnock</td>
<td>William K. Warnock, Jr.</td>
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<tr>
<td>Bill Darling</td>
<td>George E. Weatherford</td>
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<tr>
<td>John Robert Erickson</td>
<td>Christine Williams</td>
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<td>Joseph Siccardi</td>
<td>Sharon L. Wilson</td>
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<tr>
<td>Y. C. Yang</td>
<td>Ray Yang</td>
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<tr>
<td>William Ford, II</td>
<td>Billie Young</td>
</tr>
<tr>
<td>Fujo Matsuda</td>
<td>Anonymous</td>
</tr>
<tr>
<td>Ronald J. Pitters</td>
<td>Anonymous</td>
</tr>
<tr>
<td>Columbus Edwin Vick</td>
<td>Anonymous</td>
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### HONORARIA

<table>
<thead>
<tr>
<th>IN HONOR OF</th>
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<tbody>
<tr>
<td>Bill Swindells</td>
<td>Court Ballinger</td>
</tr>
<tr>
<td>Education Support</td>
<td>Soussan Batheae</td>
</tr>
<tr>
<td>Joseph Schofer</td>
<td>Helene M. Brennan</td>
</tr>
<tr>
<td>The Founders of UWRRRC and Charles Rowney</td>
<td>Shirley E. Clark</td>
</tr>
<tr>
<td>Nemosio P. Costibolo</td>
<td>Lemuel C. Costibolo</td>
</tr>
<tr>
<td>Coyle Tony Boyd</td>
<td>Jana Coulston, Louise Schiebelhut</td>
</tr>
<tr>
<td>Perry Schwartz</td>
<td>David A. Dzombak</td>
</tr>
<tr>
<td>Muhammad Amer</td>
<td>Taylor Eshenbaugh</td>
</tr>
<tr>
<td>Future Resources Engrg., LLC</td>
<td>Bobby L. Gaddis</td>
</tr>
<tr>
<td>Support of the ExCEEd Teaching Workshop</td>
<td>Scott R. Hamilton</td>
</tr>
<tr>
<td>Lou Graef, Past ASCE President</td>
<td>Jeanne G. Jacob &amp; Richard G. Frank</td>
</tr>
<tr>
<td>John P. Poorman, Capital District Transportation Committee</td>
<td>David P. Jukins</td>
</tr>
<tr>
<td>David W. Cocke, S.E., F. SEI</td>
<td>Russell J. Kehl</td>
</tr>
<tr>
<td>Shirley A. Lewis</td>
<td>Thomas G. Lewis</td>
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<td>Richard A. Wright</td>
<td>Robert W. Lindh</td>
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<tr>
<td>Professor Andrei Reinhorn</td>
<td>Satish Nagarajah</td>
</tr>
<tr>
<td>Charles L. Walton</td>
<td>Christopher J. Noll</td>
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<tr>
<td>Pena-Alcantara Consultants, Inc.</td>
<td>Feniosky A. Pena-Mora</td>
</tr>
<tr>
<td>ASCE Industry Leader Council</td>
<td>Mark J. Pestrella</td>
</tr>
<tr>
<td>My PhD Advisors, Late Prof Yalcin Acar and Prof Mehmet Tunay</td>
<td>Anand J. Puppala</td>
</tr>
<tr>
<td>Region 10 Paver</td>
<td>Elias B. Sayah</td>
</tr>
<tr>
<td>Joseph Spaziani</td>
<td>Fred &amp; Christine Spaziani</td>
</tr>
<tr>
<td>Robert W. Tipton</td>
<td>Kevin Tipton</td>
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<tr>
<td>Milner Vigil</td>
<td>James D. Vigil</td>
</tr>
<tr>
<td>Ed Kavazanjian, Jr.</td>
<td>Allen M. Yourman</td>
</tr>
<tr>
<td>James Jirsa</td>
<td>Anonymous</td>
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</table>
# Fiscal Report

## Statement of Activities / Year Ended September 30

### Revenue

<table>
<thead>
<tr>
<th>Source</th>
<th>2020</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contributions and Grants</td>
<td>$1,201,000</td>
<td>$1,849,000</td>
</tr>
<tr>
<td>Investments and Other</td>
<td>136,000</td>
<td>180,000</td>
</tr>
<tr>
<td>Real Estate Rent</td>
<td>2,223,000</td>
<td>1,989,000</td>
</tr>
<tr>
<td><strong>Total Revenue</strong></td>
<td>$3,560,000</td>
<td>$4,018,000</td>
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### Expenses and Grants

<table>
<thead>
<tr>
<th>Source</th>
<th>2020</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASCE Programs</td>
<td>$799,000</td>
<td>$1,302,000</td>
</tr>
<tr>
<td>Dream Big</td>
<td>121,000</td>
<td>536,000</td>
</tr>
<tr>
<td>Real Estate Operations</td>
<td>1,599,000</td>
<td>1,755,000</td>
</tr>
<tr>
<td>Fundraising</td>
<td>115,000</td>
<td>342,000</td>
</tr>
<tr>
<td>Operations</td>
<td>269,000</td>
<td>140,000</td>
</tr>
<tr>
<td>General</td>
<td>30,000</td>
<td>30,000</td>
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<tr>
<td><strong>Total Expenses</strong></td>
<td>$2,933,000</td>
<td>$4,105,000</td>
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## Financial Position / Year Ended September 30

### Assets

<table>
<thead>
<tr>
<th>Source</th>
<th>2020</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash and Equivalents</td>
<td>$779,000</td>
<td>$1,833,000</td>
</tr>
<tr>
<td>Accounts Receivable</td>
<td>0</td>
<td>133,000</td>
</tr>
<tr>
<td>Pledges Receivable</td>
<td>645,000</td>
<td>645,000</td>
</tr>
<tr>
<td>Investments</td>
<td>3,102,000</td>
<td>917,000</td>
</tr>
<tr>
<td>Fixed Assets</td>
<td>7,320,000</td>
<td>7,700,000</td>
</tr>
<tr>
<td>Other Assets</td>
<td>157,000</td>
<td>163,000</td>
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<tr>
<td><strong>Total Assets</strong></td>
<td>$12,003,000</td>
<td>$11,391,000</td>
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### Liabilities

<table>
<thead>
<tr>
<th>Source</th>
<th>2020</th>
<th>2019</th>
</tr>
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<tbody>
<tr>
<td>Accounts Payable/Accrued Expenses</td>
<td>$ 197,000</td>
<td>$ 242,000</td>
</tr>
<tr>
<td>Other</td>
<td>92,000</td>
<td>44,000</td>
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<tr>
<td><strong>Total Liabilities</strong></td>
<td>$289,000</td>
<td>$286,000</td>
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### Net Assets

<table>
<thead>
<tr>
<th>Source</th>
<th>2020</th>
<th>2019</th>
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<tbody>
<tr>
<td>Net Investment in Fixed Assets</td>
<td>$ 7,320,000</td>
<td>$ 7,700,000</td>
</tr>
<tr>
<td>Unrestricted</td>
<td>1,912,000</td>
<td>1,314,000</td>
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<tr>
<td>Building Fund</td>
<td>1,100,000</td>
<td>1,100,000</td>
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<tr>
<td>Restricted</td>
<td>1,382,000</td>
<td>991,000</td>
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<tr>
<td><strong>Total Net Assets</strong></td>
<td>$11,714,000</td>
<td>$11,105,000</td>
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<table>
<thead>
<tr>
<th>Source</th>
<th>2020</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Liabilities &amp; Net Assets</strong></td>
<td>$12,003,000</td>
<td>$11,391,000</td>
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</table>
A Look into 2021

› To support ASCE’s commitment to sustainability and infrastructure initiatives, the Foundation will focus on a **SUSTAINABLE DEVELOPMENT INITIATIVES FUND** campaign to raise $200,000.

  - The campaign is raising funds to provide greater impact from the philanthropic support organizations and corporations provide, with **100% of the funds** supporting ASCE sustainability and infrastructure activities.
  - An SDIF app will serve as a central hub for the campaign and highlight ASCE’s ongoing sustainability programming, upcoming events, the corporate supporters and provide a platform for users to connect and discuss the pressing issues of sustainability. **CLICK HERE** to learn how to join the app.

› The Foundation’s **FUTURE WORLD VISION** campaign continues in 2021, with a **goal to raise $600,000**. With your help, we will reach our goal! There are many ways to support FWV, give a gift when you renew your ASCE membership, increase your gift from your donor-advised fund or required minimum distribution from your IRA, send a check to the address on the back of this annual report or **MAKE A SECURE DONATION ONLINE**.

› Are you thinking about a legacy gift to support the civil engineering profession? The Foundation has a new **PLANNED GIVING WEBSITE** with resources that may help. You can download guides, watch video clips on various giving methods, read donor stories, and request additional information on planned giving. **VISIT OUR SITE**

---

**Ways to Give**

---

**MAKE A ONE-TIME GIFT**

at [www.ascefoundation.org](http://www.ascefoundation.org), or send a check to:

ASCE Foundation
1801 Alexander Bell Drive, Suite 100
Reston, VA 20191

---

**GIFT OF SECURITIES**

Make a charitable contribution of stocks, bonds and/or mutual funds.

---

**EMPLOYER MATCH**

Have your employer match your donation.

---

**JOIN THE SUSTAINERS CIRCLE**

Make a secure monthly recurring gift from a credit card or bank account. Visit [www.ascefoundation.org/sustainers](http://www.ascefoundation.org/sustainers) to learn more.

---

**LEGACY**

Extend your support with a legacy gift in your estate plan. Learn more at [www.ascegiftlegacy.com](http://www.ascegiftlegacy.com).

---

**HONORARIUM/SPEAKER FEE**

Donate your honorarium, speaker fee or award prize. Contact the Foundation team for more information.