ENERGY IMPACT PARTNERS

Accelerating the energy transition

2024 IMPACT & ESG PERFORMANCE REPORT

DEAR PARTNERS & COLLEAGUES:

In a world of increasingly insatiable demand for energy with strong, shifting economic and geopolitical crosscurrents, we are pleased to report that Energy Impact Partners has been able to stay on course toward steady growth in our impact. Since our founding in 2015, our north star has been to create value for our investors while we accelerate progress towards a reliable, affordable, and decarbonized energy system. Our annual impact report is our chance to assess and report on our progress toward these goals, providing key metrics and additional context.

Despite the unquestionable headwinds of last year, we grew our investor coalition to over 80 engaged industrial partners, adding the sectors of Clean Molecules and Built Environment to our strong platform. With increasingly active financial investors, today we manage over $4.3bn AUM.[1] In 2023, we invested in 18 more companies and today our portfolio includes more than 100 investments that constitute the potential building blocks of the energy system of the future. We also facilitated over 165 new contracts between our portfolio companies and our strategic investors, and the cumulative value of all bookings enabled by our platform now exceeds $3bn.

With this expansion, year-over-year lifetime enabled savings from our companies grew from 103 million metric tons to 153 million metric tons of CO_2e, or 7.5 million to 12 million metric tons of CO_2e on an ownership-weighted basis. And, perhaps most importantly, our partners with decarbonization pledges already reduced their Scope 1 and 2 emissions by 39% from their respective baseline years and have collectively committed to a 60% reduction by 2030. We are also pleased that most of our companies have made continued progress across other environmental, social, and governance metrics. Focusing on these metrics is key for their success, as demonstrated by five of our portfolio companies recognized among the 2024 *America's Best Startup Employers* by Forbes.

Many of our growing cadre of financial investment partners, who also share our impact mission, have also started to collaborate with our impact and sustainability team to improve mutual best practices. This engagement complements our continuing work with the Glasgow Financial Alliance for Net Zero and other industry groups to improve impact reporting and enhance progress towards a global net zero economy.

This is our sixth consecutive public impact report. We continue to learn from each reporting cycle and greatly appreciate the engagement of our investors and other stakeholders to make these reports useful and impactful.

Sincerely yours,

HANS KOBLER,
Managing Partner & Founder

PETER FOX-PENNER,
Chief Impact Officer

OVERVIEW

Energy Impact Partners is a purpose-built investment platform. At EIP,

We take industry forward faster
EIP accelerates adoption by leveraging a large network of strategic partners.

We decarbonize at scale
We target the largest carbon emissions sources in the world with highly scalable solutions.

We measure impact transparently
Our impact calculations are widely recognized as honest, highly transparent, and rigorous.

EIP FUNDS ACTIVE IN 2023

Frontier Fund
Deep Decarbonization Technologies

Elevate Future Fund
Increase diversity

Flagship Funds
Growth capital to decarbonize the global economy

Flagship Europe
Growth capital to decarbonize the European economy

Credit Funds
SBIC leverage (2-1)

$4bn+
AUM

5
investment strategies

85%
strategic partners with Net Zero strategies

530+
contracts between our portfolio companies and ecosystem

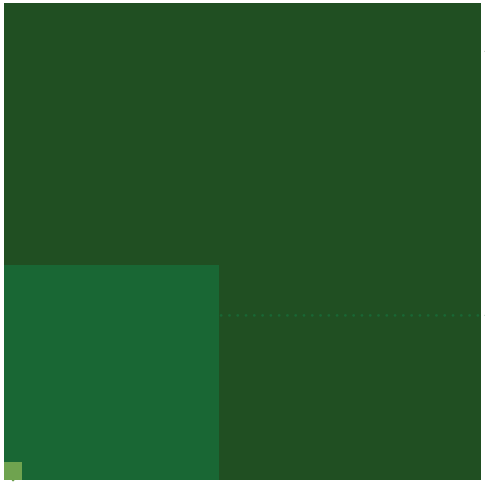
CLIMATE IMPACTS: OUR CARBON FOOTPRINT & ENABLED SAVINGS

EIP's carbon footprint grew in 2023, as we expanded our team and grew our portfolio.

With this increase, comes a responsibility to reduce and mitigate the carbon impacts from our operations and portfolio. In 2024, we are already acting to make this reduction a reality.

In 2023, our portfolio companies saved a total of 19.4 million tCO_2e, which represents an increase of 72% compared to 2022.

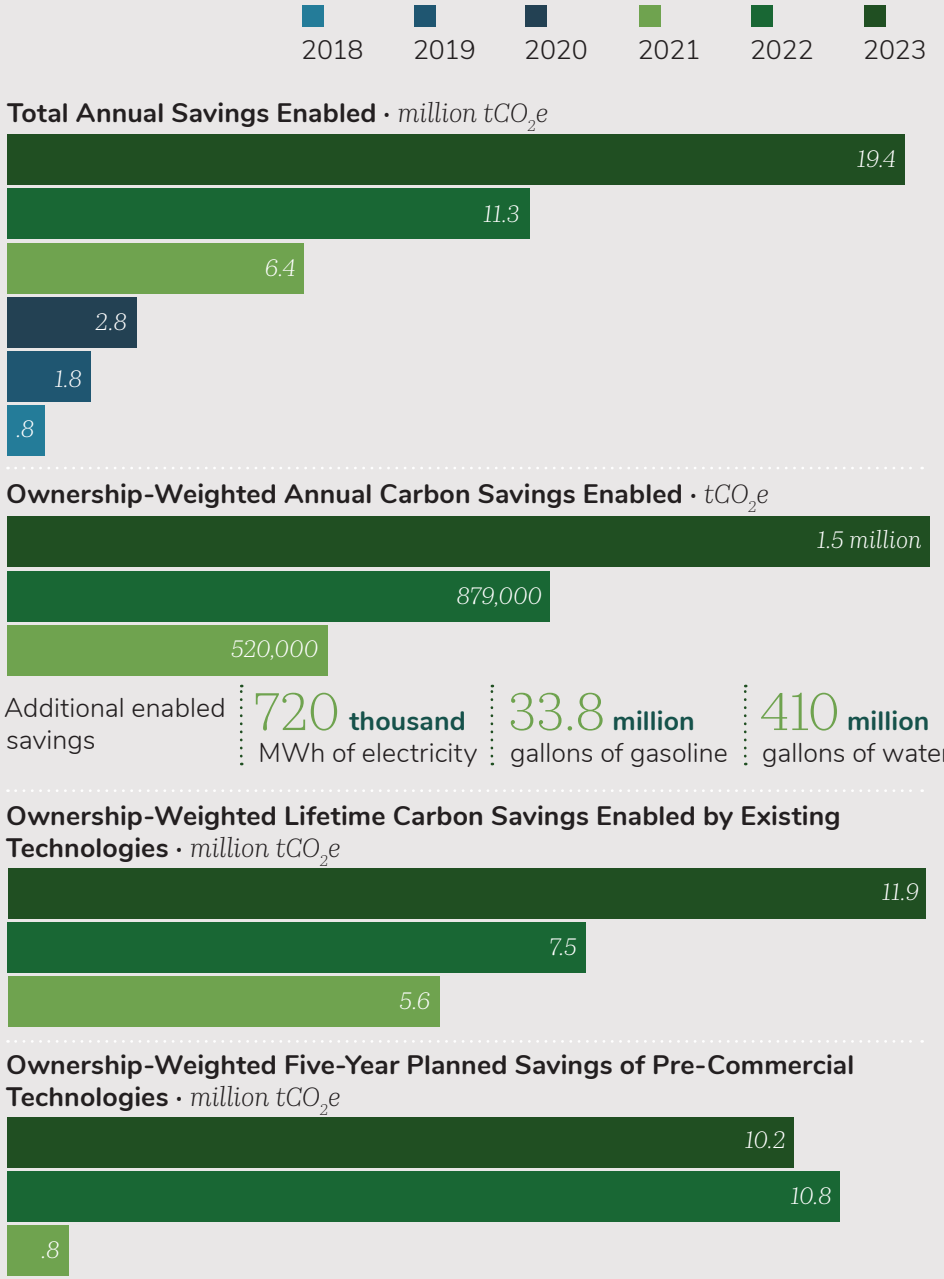
This is proof of how we continue to deliver on our promise of decarbonizing the energy industry through investing in innovators at the frontier of the industry and connecting them to our strategic coalition of utilities building the energy system of the future.



1.5 million tons CO_2e
Annual Enabled Savings

297,000 tCO_2e
Total Footprint

1,900 tCO_2e
Internal Footprint



EIP'S ENABLED SAVINGS BY FUND & THEME

In 2023, five of our active funds made investments in companies that are post-commercial market entry and actively selling solutions that create a quantifiable carbon impact.

Investments across these funds cover complementary verticals of decarbonized supply, sustainable demand, intelligent infrastructure, and foundational technologies.

OWNERSHIP-WEIGHTED ENABLED CARBON SAVINGS BY INVESTMENT THEME

Decarbonized Supply · tCO_2e

Lifetime Savings · 5.6 million

Annual Savings · 670,000 *Five-Year Planned Savings · 4.1 million*

Sustainable Demand · tCO_2e

Lifetime Savings · 5.8 million

Annual Savings · 750,000 *Five-Year Planned Savings · 6.2 million*

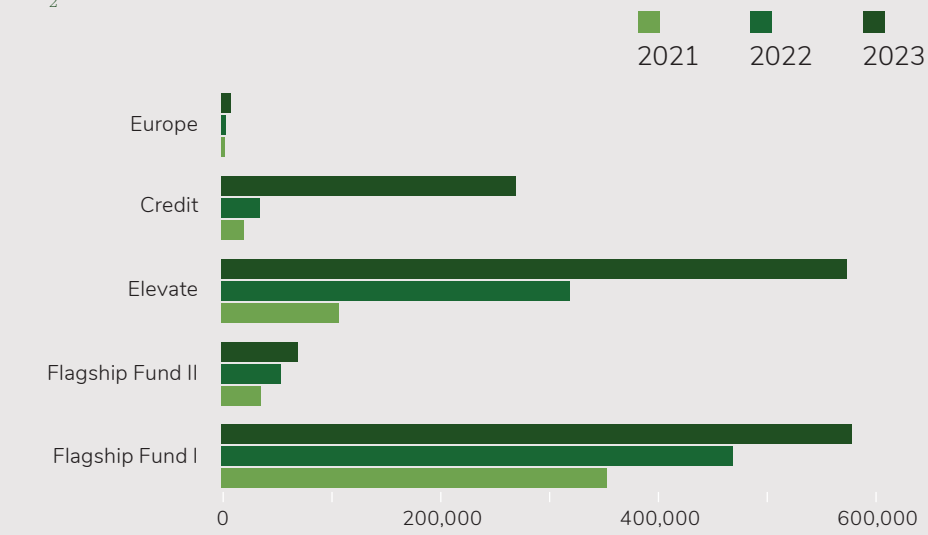
Intelligent Infrastructure · tCO_2e

Lifetime Savings · 520,000

Annual Savings · 75,000

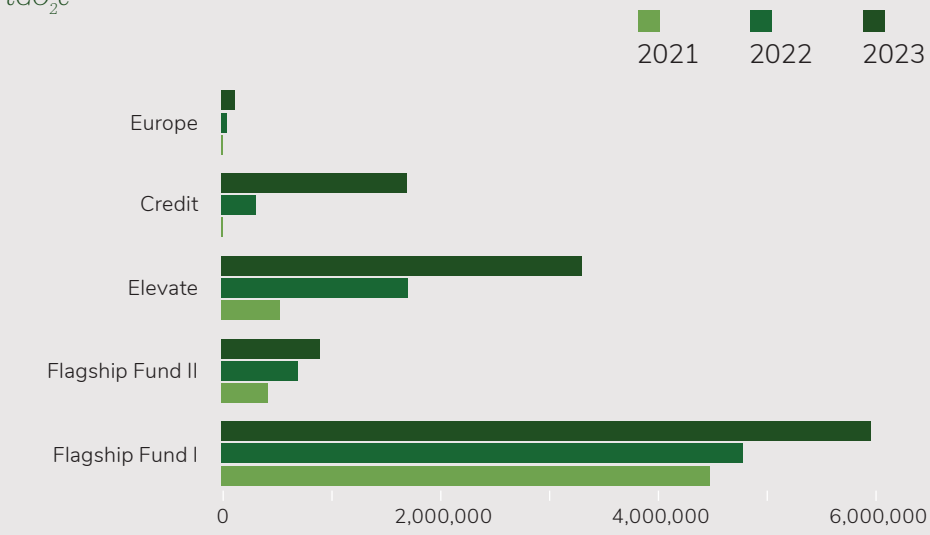
OWNERSHIP-WEIGHTED ANNUAL SAVINGS

tCO_2e



OWNERSHIP-WEIGHTED LIFETIME SAVINGS

tCO_2e



ESG HIGHLIGHTS

In 2023, our portfolio grew and with it, so did the quality and quantity of impact and ESG-related KPIs.

Better, updated, and more granular information not only allows for a clearer picture of how our portfolio is performing on ESG-related measures, but also gives EIP an opportunity to carry out more meaningful engagement and create more targeted improvement plans.

2023 ESG HIGHLIGHTS

82 **companies with data in the Metric ESG database** responded to our ESG annual survey.[2]

Impact & Sustainability **met with** 17 **companies** to discuss ESG and impact topics.

Impact & Sustainability team **expanded its** library of support **to portfolio companies.** It now includes toolkits for Human Rights, Anti-Slavery, Anti-Corruption, Anti-Bribery and alignment with OECD and UN Global Compact guidelines, and DE&I.

Refinement of our impact and ESG assessment has continued with the **incorporation of** SFDR Article 9-aligned diligence and engagement.

EIP ASSESSES A COMPREHENSIVE LIST OF OVER 50 ESG KPIS

Environmental Metrics beyond CO_2e

- Environmental policies
- Sustainability risk management
- Energy consumption
- Decarbonization plans
- Water
- Waste
- Circular economy

Social Metrics

- Health and Safety management system
- Parental leave policy
- Job creation
- Injuries and fatalities

Governance Metrics

- Governance policies (human rights, anti-bribery, anti-corruption, staff grievance, whistleblowing, etc.)
- Responsible supply chains
- Climate change risk assessments

DE&I Metrics

- Pay gap
- Employee resource groups
- Women and URM diversity across full-time employees, management and board level

*Reflects only a partial list of KPIs

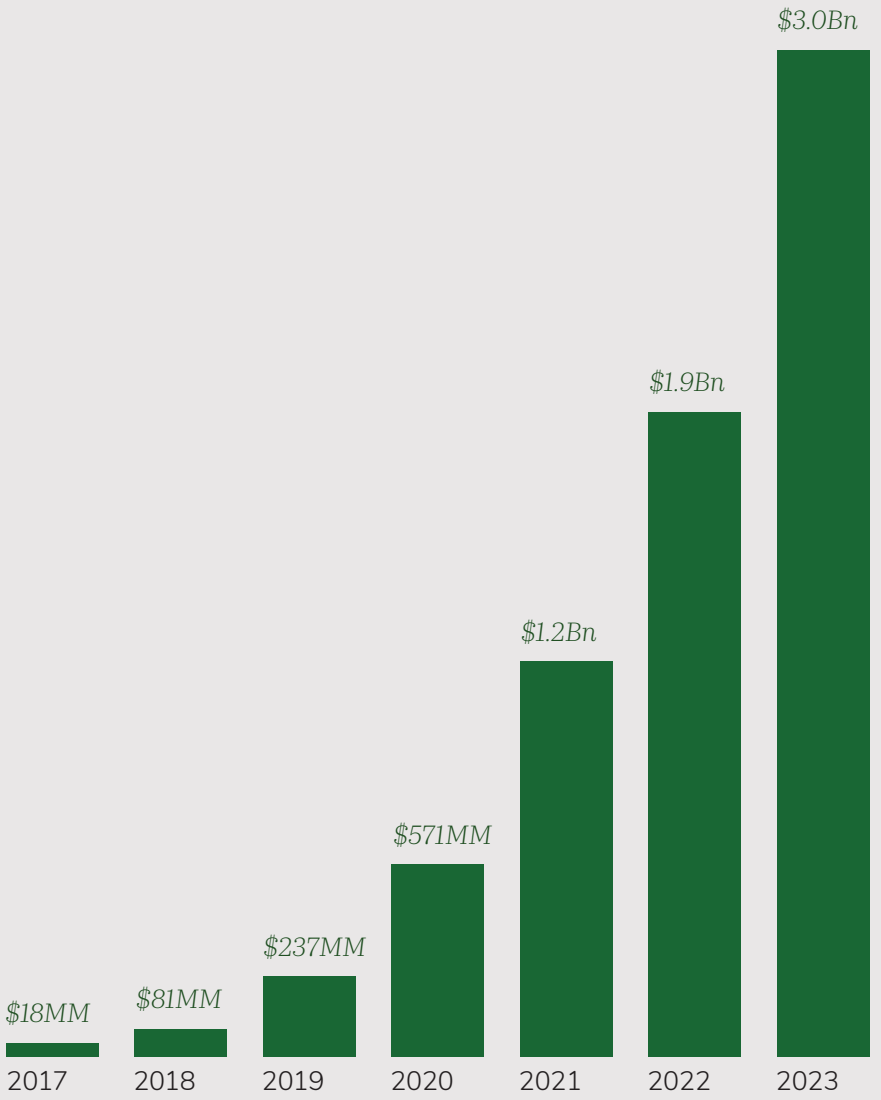
HELPING OUR PARTNERS' NET ZERO JOURNEYS

Our strategic partners continue to increase their engagement with portfolio companies. In 2023, we recorded 178 new contracts from portfolio collaborations, bringing the total value of cumulative bookings up to $3 billion.

In 2023, we continued to strengthen our coalition with 12 high impact collaborations, 15 working groups, and 124 onsite partners presentations. Below are a few examples of these high impact collaborations.

Alliant Energy ⟷ flo	Supporting light duty fleet electrification goals
Duke Energy ⟷ CH!	Providing field services and improving uptimes for EV chargers
PSEG Long Island ⟷ gridx	Implementing TOU rates
CenterPoint Energy ⟷ RS	Deploying composite poles for resiliency
Southern Company ⟷ MOXION	Zero emissions battery storage for PGA tour

TOTAL CUMULATIVE BOOKINGS BETWEEN OUR PORTFOLIO COMPANIES AND ECOSYSTEM



GUIDE TO THIS REPORT

Section 1

About EIP provides an overview of our mission, portfolio, investors, funds, impact processes and advisors, and recognition.

Section 2

Perspectives on Climate Technologies in 2024 provides a selection of articles from EIP thought leaders around the path to decarbonization, data centers, EVs, carbon markets and hydrogen.

Section 3

Climate Impacts explains the carbon savings our companies enable, other environmental impacts, our scope 1, 2, and 3 footprint, and the net effect of these actions.

Section 4

ESG showcases the internal practices among our portfolio and EIP, DE&I efforts, and other ESG-related initiatives.

Section 5

Helping Our Partners Succeed describes the ways we work with our strategic investors to assist them in their decarbonization journeys.

Section 6

Thought Leadership and Community Collaboration chronicles our public-facing presentations, podcasts, and other activities advancing the clean energy transition.

Additional information, including our online Technical Appendix, can be found at **www.energyimpactpartners.com/impact**

ABOUT EIP

Section One

OUR MISSION & STRUCTURE

Since its inception, Energy Impact Partners LP's (EIP) mission has always been to create an investment platform and investor coalition that accelerates the transition to clean energy, while earning strong returns.

We believe that the transition to net zero energy represents an enormous opportunity for innovation and profitable investment. We also believe that the key to rapid and successful decarbonization is to work collaboratively with the companies that are leading the transition in their own operations. Finally, we believe that investing in the clean energy transition should be done in a manner that promotes diversity, equity, and inclusion (DE&I) and increases the resilience of our energy systems. These principles guide all our work across all our strategies and investments.

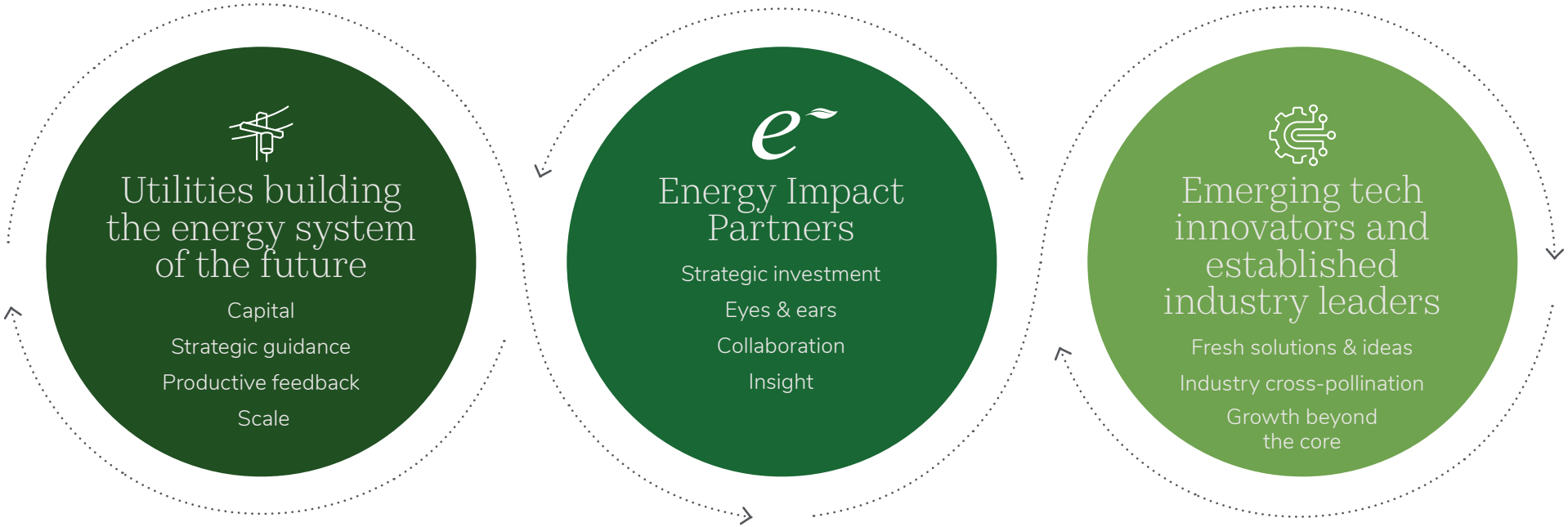
EIP operates as an investment manager with a platform for strategic collaboration. Our coalition of over 65 strategic investors own and/or operate huge portions of the world's energy production and use systems, including electric and gas networks, industrial facilities, transportation companies, and large-scale buildings.[3] Our strategic partners have over 400,000 employees and annual capital spending in excess of $100 billion, much of which can be directed towards lower-carbon technologies. Our utility partners have more than 150 million customers and operate transmission and distribution networks about half as large as the entire U.S. grid.[4]

We work intensively with the members of this coalition to study decarbonization pathways, evaluate new technologies and opportunities, and deploy these innovations within the operating footprints of our coalition partners. While this is our clearest route to impact, we also work to bring many of our solutions to markets beyond our coalition and participate in many community activities that help create impacts beyond EIP. In short, our impact is maximized by seeking to find and invest in the most promising climate solutions, and then bringing these solutions to scale as quickly as possible by leveraging the expertise and operations of our partners and their ecosystems.

OUR THEORY OF CHANGE

The energy systems of the world are critical infrastructure that is scale-intensive and highly networked. Decarbonizing these systems requires technology changes within the companies that own and operate all segments of this system, from generation to use. These technology changes will occur most quickly by finding the best combination of risk and return and collaborating directly with these companies.

EIP: A STRATEGIC PLATFORM FOR INVESTING IN INNOVATION & ENERGY INDUSTRY TRANSFORMATION



EIP'S 2024 STRATEGIC INVESTOR COALITION*

Utility Investors · North America

Alliant Energy
Ameren
aps
Avista Corp.
CenterPoint Energy
Consumers Energy Foundation
Duke Energy
Emera
ENMAX
entergy
evergy ventures
FirstEnergy
Fortis
hydro one
MGE
OGE
PGE
ppl
PSEG
Southern Company
TC Energy
Quanta
transalta
Vistra
World Kinect
Xcel Energy

Financial Investors

apg
GenZero

Utility Investors · Europe

agl
Chubu Electric Power
EDF
EWE
fortum
mainova
TrønderEnergi

Industrial and Built Environment Investors

AvalonBay Communities
Aviva
Banpu
Burns McDonnell
bxp
Cox
enterprise
galp
GE
Mitsui Fudosan
nysnø Climate Investments
Park Hotels & Resorts
posco
Public Storage
ReNew Power
slb
Williams
amazon

*Several strategic coalition members not shown on this chart at their request but are included in data and discussion throughout this report. Each strategic investor may be invested in one or more funds.

OUR FUNDS

Today we pursue our mission across five investment strategies.

The Flagship strategy focuses on inflection and growth stage companies across the entire clean energy value chain. The Frontier Fund invests in pathbreaking early stage deep decarbonization technologies. To bring much-needed increases in diversity to the intersection of finance and energy, our Elevate Future Fund is directed entirely at founders and managers from underrepresented groups. Credit Funds I and II are licensed Small Business Investment Companies that provide capital to a wide range of small, established companies supporting the clean energy transition and other goals such as supporting U.S. small businesses. We have three funds that are registered with the European Union's Sustainable Finance Disclosure Regulation (SFDR), further ensuring greater transparency and fidelity to our mission. Together these strategies supply capital to a wide range of new, innovative, and growing businesses at several stages of their development.

EIP's **Flagship Funds I and II** focus mainly on proven technologies and business models that are ready to scale, including technologies whose trajectory we can influence with our ecosystem. Investments are typically inflection or growth stage companies.

Our **European Flagship Fund** pursues a similar strategy as the Flagship Funds across Europe, where there is strong dedication to climate action and a blossoming cleantech innovation network. Combined with the fact that we have many strategic investors in both North America and Europe, our two Flagship geographies allow us to cross-pollinate the best solutions on both sides of the Atlantic.

Credit Funds I and II (Credit Funds) provide secured debt, unitranche and mezzanine financing, and equity to small and middle market companies, as well as for strategic opportunities in growth stage companies, across the clean energy spectrum. The Credit Funds are licensed as Small Business Investment Companies (SBICs) by the U.S. Small Business Administration (the SBA), which allows them to use private capital and low interest leverage from the SBA to offer financing to companies that qualify as small businesses for purposes of the SBIC Program.

The **Frontier Deep Decarbonization Fund** (Frontier) seeks seed and early-stage venture investments in companies at the forefront of deep decarbonization in all energy production and industrial use sectors that can meaningfully contribute to global decarbonization. Innovations in all these areas are needed to reach full decarbonization of both the electric and fuel energy systems.

The **Elevate Future Fund** (Elevate), focuses on seed, early stage and credit investments in companies and funds that are run by, or focused on the advancement of, people from underrepresented and underserved groups including, without limitation, Black, Latinx, Women, and LGBTQ+ people, all while aiming to close the wealth gap. This fund is a core part of our commitment to increasing diversity, equity, and inclusion (DE&I) in the private equity and venture capital sectors and promoting a more just and equitable energy transition.

EIP FUNDS ACTIVE IN 2023

Frontier Fund
Deep Decarbonization Technologies

Elevate Future Fund
Increase diversity

Flagship Funds
Growth capital to decarbonize the global economy

Flagship Europe
Growth capital to decarbonize the European economy

Credit Funds
SBIC leverage (2-1)

OUR PORTFOLIO: INVESTING FOR IMPACT

The impact objective for the vast majority of our investments is to accelerate the transition to net zero greenhouse gas emissions across all energy systems and sectors.

EIP held positions in 89 companies during 2023.[5] Many of our investments also promote system resilience and/or serve social goals, such as improving DE&I. Our investments can be divided into four major focus areas: decarbonized supply, intelligent infrastructure, sustainable demand, and foundational technologies.

Decarbonized supply includes carbon-free distributed and large-scale power options, decarbonized fuel forms such as green hydrogen, and carbon capture and removal technologies

Intelligent infrastructure firms include electric network services, energy storage, and resilience technologies; and

Sustainable demand investments include technologies that decarbonize and add circularity to the built environment, industrial processes, and basic and critical materials.

We also invest in companies that play a **foundational** or enabling role in the transformation process, such as companies with tools for measuring carbon footprint or cybersecurity firms that protect the power grid.[6]

These companies cover a broad swath of the clean energy value chain, from technologies that generate carbon-free power and fuels to companies that make buildings more efficient and decarbonize steel, cement, and industrial heat.

OUR COMPANY PORTFOLIO

Decarbonized Supply · 16

Arcadia
AtmosZero
Carbon America
Electric Hydrogen
Enchanted Rock
ES Solar
Form Energy
ION Solar
Koloma
metafuels
Mosaic
Moxion
Powin
Project Canary
Zap Energy
zolar

Intelligent Infrastructure · 10

Community Tree Service, Inc.
eSmartSystems
Infravision
Particle
Power Factors
RS
SiteTracker
Tesla
Urbint
Williams

Foundational Technologies · 17

Audette
Celerity Consulting Group
corelight
Coro
Dragos
Finite State
greenly
Stream.Security
measurabl
network perception
noetic
Picnic
RangeForce
Scythe
Singularity
Swimlane
TRC

Other Impact · 9

42crunch
Marketing Evolution
mimeo
Rapidsos
robust AI
StudyTube
TMC
verinext
VTS Tech

Sustainable Demand · 37

6K
aeroseal
Boston Metal
Ceibo
CH!
Cosmic Bliss
Cyclic Materials
DERIVE Systems
dragonfly
esgbook
ev.energy
flo
gridx
Grover
HeatTransformers
hippo
Hometree
HopSkipDrive
innowatts
instagrid
MANUSBIO
mill
Nitricity
Palmetto
Quantela
Rheaply
RONDO
RUBICON
Scythe
sense
SIBROS
SMTI
sparkfund
Sublime Systems
TRACHTE
transaera
zitara

For more information, see Appendix Table 1

IMPACT & ESG PROCESSES AT EIP

At EIP we have thoroughly integrated impact and ESG assessment into our investment and portfolio management processes.

The specific steps we take to embed impact and ESG into our overall processes occur in both the pre-investment and post-investment phases.

Our pre-investment process begins by screening climate solutions opportunities, an effort led by our in-house research experts and the deal teams. We first screen against our exclusions and determine how the investment supports our areas of thematic focus, a step that also helps us determine our approach to measuring impacts. We then conduct diligence on the carbon and environmental impacts of the opportunity as well as its main ESG attributes and risks. All this information becomes part of the investment decision process and is summarized in the investment memo. If we invest, this information helps establish the foundation for our work to measure actual achieved carbon and other sustainability impacts as well as monitor and improve ESG performance.

Pre-Investment ESG and Impact Process and Screening

Deal sourcing

Alignment with impact focus and thematic classification

Exclusions list applied to all investments

Good governance and PAI screenings*

Due diligence

ESG questionnaire and follow-up

Carbon savings potential estimate (DM)

Close collaboration with deal teams

Final decision and documentation

Results of the diligence are considered during Investment Committee deliberations

Post-close engagement plans are created*

EIP value add

Combine deep in-house research, strategic investor insights, and rigorous impact measurement to build an industry leading portfolio.

*SFDR reporting funds

After investment we work with our coalition to help improve and scale each of our investments, expanding impact along with sales and revenues.

Our work with our portfolio companies includes providing them with toolkits to improve ESG performance, assistance with carbon footprint, impact measurement, net zero planning, and periodic assessment meetings.

Our post-investment reporting consists of our public annual reports – including this one, our sixth consecutive edition – as well as annual filings with EU regulators and other groups. We believe that the process of reporting publicly, with information that goes beyond minimum regulatory requirements, is an element of best practice that heps us better target and grow positive impacts over time.

Post-Investment ESG and Impact Process

Active ownership

Impact team engages to onboard the company and provides toolkits for good governance

Regular check-ins and collaboration on key Impact and ESG topics and regulations

Assistance with GHG footprint and impact measurement and net zero planning

Reporting

Annual ESG and impact questionnaire sent out to all portfolio companies

Collaboration with other investors to align on reporting needs

Annual publication of impact report

Respond to requests from investors

Exit

Impact & Sustainability team plans to work with investment teams to help prepare companies to go public or be acquired, with ESG and Impact factors integrated into the exit discussion.

EIP value add

Ensure that our portfolio companies have good internal practices and have access to markets so their solutions can be accessed by our strategic LPs to close the loop of innovation and drive change at scale.

EIP'S IMPACT ADVISORY BOARD

In 2020, EIP established a dedicated Impact Advisory Board to provide input and guidance on EIP's ESG and impact measurement policies and practices and to provide a forum for sharing ideas, best practices, and intelligence. The Impact Advisory Board meets on a periodic basis to review EIP's activities and discuss other ESG-related matters of importance to EIP's partners. This year, we have discussed climate regulatory updates across geographies, best practices in ESG data collection, carbon markets and net zero commitments. Additionally, we have welcomed new members from the same list of organizations represented on the Advisory Board last year.

Brandon Middaugh is the Senior Director of Microsoft's Climate Innovation Fund in their Environmental Sustainability team. She works to accelerate innovation through investments in global climate solutions. Prior to this, she was Microsoft's Senior Program Manager, Distributed Energy where she led the evaluation and deployment of emerging energy technologies for their global cloud operations. Before coming to Washington State, she held several senior positions at SunEdison in the San Francisco Bay area.

Frank Prager is senior vice president for Strategy, Security and External Affairs and Chief Sustainability Officer. As chief of staff to the CEO, Frank Prager is responsible for the tracking and development of the company's strategic initiatives. As Chief Sustainability Officer, Frank Prager develops Xcel Energy's sustainability strategy and promotes the company's sustainable priorities in its environmental, social and governance programs and practices. Frank Prager has worked at Xcel Energy for more than 25 years.

Lene Hodge is an Investment Manager at Nysno Climate Investments and Board Member at Metizoft AS and Tise. Lene has served at Nysno Climate Investments for the past four years and led strategies on integrating ESG and sustainability into their investment process and portfolio companies. Her prior experience includes being an adviser to The Norwegian Water Resources and Energy Directorate and having worked with startups and nonprofits in the energy and environmental spaces.

Ann Klee is a nationally recognized expert in environmental law and policy, and accomplished executive who has led national and global organizations in the private sector and held senior policy positions in the Executive Branch and on Capitol Hill. She serves as Chair of the Board of the Center for Climate and Energy Solutions. She is also a board member of Wabtec Corporation and Sotera Health leading ESG matters, and of Assent, a global technology solution for supply chain sustainability management. She is a proven leader and impact player who has managed high profile, complex environmental problems, driven culture transformation across organizations, and executed successful sustainability strategies.

Thato Keineetse serves as Responsible Investment & Governance Manager at APG, specifically for the Private Markets Infrastructure asset class and the ABP Netherlands Energy Transition fund (ANET). He has played a pivotal role in investing €1.8 billion across Europe, adhering to stringent ESG standards. Prior to APG, he was part of the International Finance Corporation's (IFC) Young Professionals Program, where he managed a US$45 million portfolio, and was an Associate Credit Risk Officer at Natwest Markets.

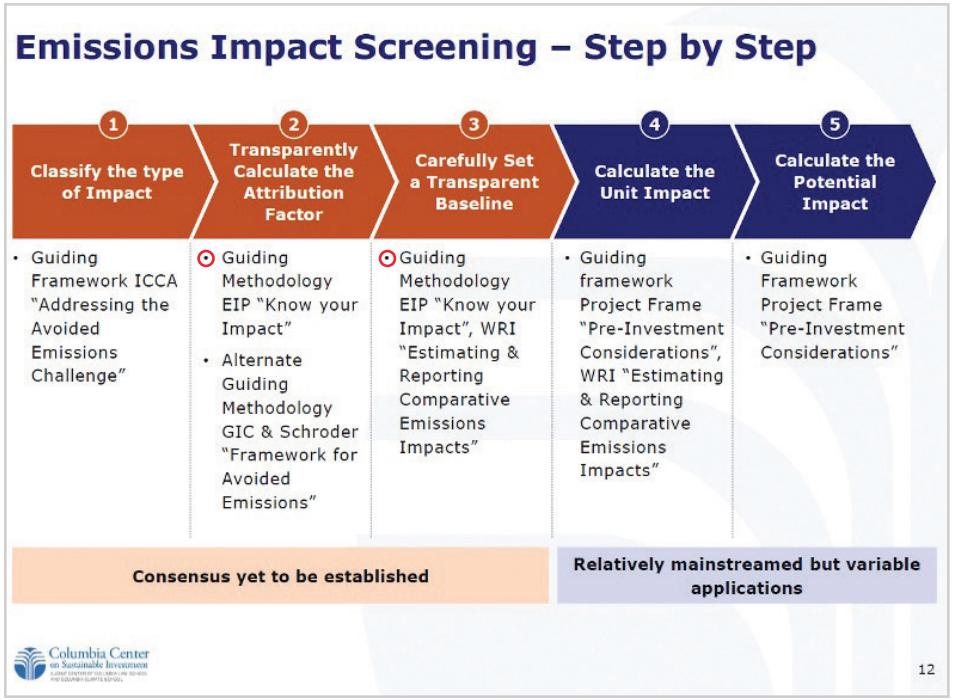
LEADERSHIP & RECOGNITION

We're proud of our record of publishing our impact measurements transparently for the past five years and contributing to industry efforts to improve reporting.

We are honored to note that our unique way of pursuing impact, from our mission and structure to our measurement and reporting, have led to significant recognition within our community. This year we won, for the second consecutive year, a spot in Real Deals' **Future 40 ESG Innovators**. ESG investing, which named us Best ESG Investment Fund: Energy Transition (Private Markets) in 2023, has **again made us a finalist this year**. The Future 40 judging panel remarked that, "[W]hile EIP demonstrated it has clear and in-depth ESG assessment frameworks in place, the judges were also impressed by how the firm engages with stakeholders at large when it comes to ESG."[7] We were also selected as a top-50 impact fund (IA50 manager) by **Impact Assets**, a nonprofit evaluator of impact investment vehicles. Many colleagues and consultants have told us, in public and private, that the transparency and technical thoroughness in our impact reporting is "the gold standard" for VC and PE funds.[8]

In this same vein, we were recently recognized by the Columbia University Center for Sustainable Investment for having a leading methodology in transparently calculating attribution factors and the baseline for impact calculations — the only fund named in their review of best impact screening processes (see graphic to the right).

We are proud to have co-founded and serve on the steering committee of both Project Frame and the Venture Climate Alliance, an affiliate of the Glasgow Financial Alliance for Net Zero (GFANZ). We have also recently been selected to be a member of GFANZ' Real Economy and Transition Finance workstream.



From the Columbia Center on Sustainable Investment

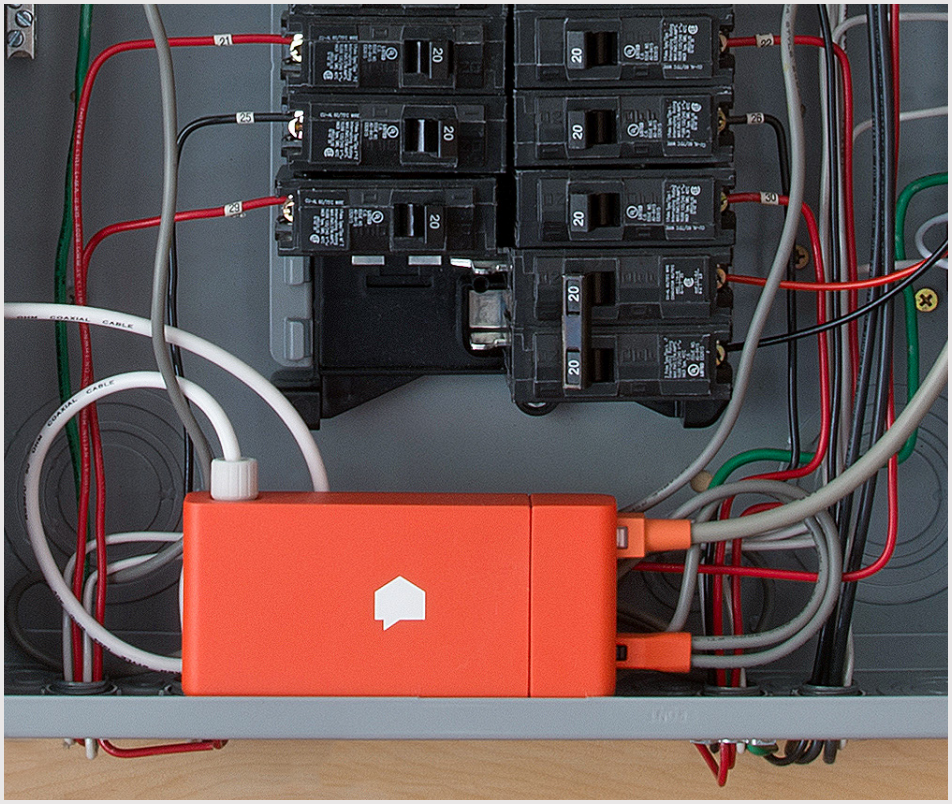
SENSE INTO THE METER

In 2016, EIP invested in Sense, a company founded by Mike Phillips, an expert in waveform analysis.

Mike and his team developed a small box that individual consumers could buy and install in their electrical panel and connect to their wifi network. The sensor box analyzed the home's power flow and communicated the results to an app on the customer's phone. The Sense app continuously monitored the power used by each household appliance, located energy savings opportunities, and estimated monthly power bills and savings in real time. In a test conducted by an EIP partner utility, Sense saved an average of 6% of household energy use, or about $113 a year at average US power rates.[9]

The Sense team knew that when their solution was deployed widely enough in one area, their technology automatically adds a dramatic, game-changing use case. While retaining its original ability to help households save substantial energy, a widely-deployed Sense network becomes a grid-edge awareness network able to provide local utilities with fault detection, advanced diagnostics, and other services – all from the same hardware and software that helped homeowners.

This insight led Sense and EIP to search for a way to make deployment cheaper and more widespread. They settled on a target of getting Sense technology built-in to the next generation of smart meters. Installing Sense inside the meter means that every customer getting a new meter would automatically gain access to the energy-saving app without having to pay any cost or endure any installation challenge. Meanwhile, Sense-in-the-meter would add insignificantly to costs and would enable the installing utility to automatically acquire a network of grid edge sensors.

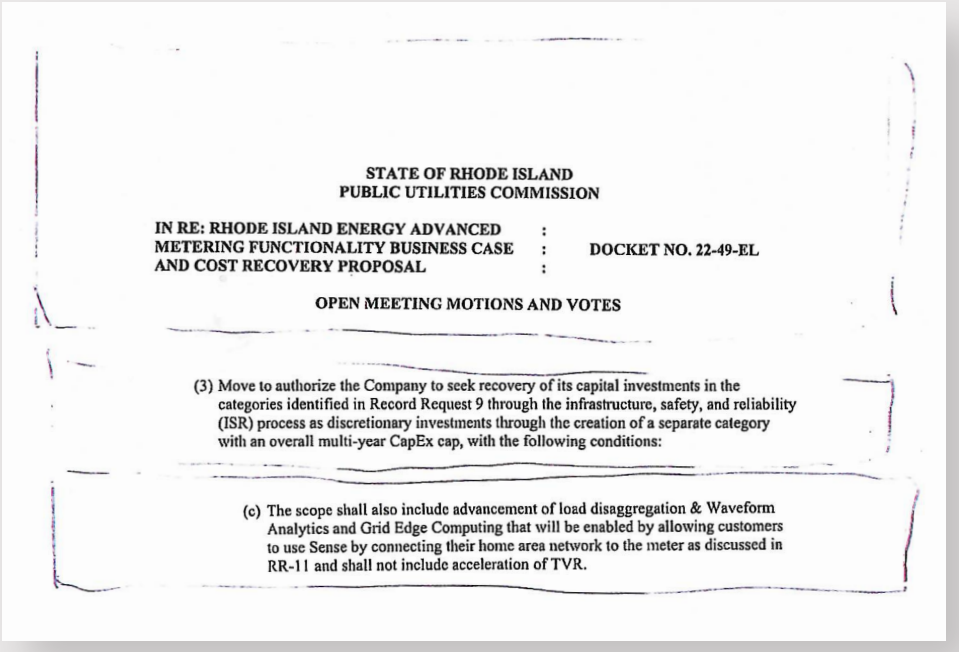


sense

EIP's network of utility investors, including National Grid, played a key role convincing the manufacturers of electric meters that the idea was technically and financially sound. Persevering through several years of demonstration and discussion, Sense and EIP's coalition eventually convinced Landis+Gyr to include Sense in its newest line of residential and commercial meters, the Revelo smart meter. Sense will also be included in Schneider Electric's Wiser Energy Center electrical panel.

Because the deployment of electric meters is regulated by state public service commissions, the EIP/Sense strategy included education of the regulatory community. This group understandably wanted to ensure that the addition of Sense to meters would provide equitable, cost-effective value to all groups of customers. One such analysis was just completed by the Rhode Island Public Utilities Commission, and Sense-in-the-meter passed with flying colors. The Commission concluded in its Advanced Metering Functionality Business Case proceeding that all state electric meters should "include advancement of load disaggregation & Waveform Analytics and Grid Edge Computing that will be enabled by allowing customers to use Sense by connecting their home area network to the meter..."[10] As a result, Sense will be included in the next *five hundred thousand* electric meters installed in the state.

Sense's trajectory from an individual consumer app to a system-wide grid awareness platform is another example of EIP's approach to impact. Our goal is to take technologies that decarbonize and provide resilience affordably and equitably and leverage our coalition to get them deployed quickly across the entire network. We believe it is likely that Sense or something similar will ultimately be in every new electric meter in the U.S., saving energy and improving reliability and resilience at an extremely low added cost.



STATE OF RHODE ISLAND
PUBLIC UTILITIES COMMISSION

IN RE: RHODE ISLAND ENERGY ADVANCED METERING FUNCTIONALITY BUSINESS CASE AND COST RECOVERY PROPOSAL : DOCKET NO. 22-49-EL

OPEN MEETING MOTIONS AND VOTES

(3) Move to authorize the Company to seek recovery of its capital investments in the categories identified in Record Request 9 through the infrastructure, safety, and reliability (ISR) process as discretionary investments through the creation of a separate category with an overall multi-year CapEx cap, with the following conditions:

(c) The scope shall also include advancement of load disaggregation & Waveform Analytics and Grid Edge Computing that will be enabled by allowing customers to use Sense by connecting their home area network to the meter as discussed in RR-11 and shall not include acceleration of TVR.

Rhode Island Public Service Commission order authorizing Sense in every new electric meter

PERSPECTIVES ON CLIMATE TECHNOLOGIES 2024

Section Two

THE "ELECTRICITY GAUNTLET": an underappreciated challenge along the path to decarbonization

By ANDY LUBERSHANE, Partner and Head of Research

About a year ago at EIP, we began using the metaphor of a "gauntlet" to describe an impending challenge for the electric power sector.

"The Electricity Gauntlet" has quickly become our shorthand for a pair of generational challenges closing in on the industry – like columns of spearmen in an ancient military training ritual – and the narrow path between them.

On one side of *The Gauntlet* is the sudden return of power demand growth in advanced economies, like the US and Europe, following a twenty-year respite. On the other side are an array of hurdles to building new power generation capacity fast enough to meet surging demand.

This gauntlet is shaping up to be an existential test for the power sector – in particular for electric utilities. There's a material risk of veering off course, compromising reliability & affordability. But, there's also the prospect of a tremendous reward for successfully navigating this passage: electricity demand growing by 2-3X over the coming decades, with consumers becoming ever more reliant on the power grid for their clean energy needs.

In the past six months, signs that we've entered The Gauntlet have become impossible to ignore. Most importantly, we're seeing power demand growth surging faster than just about anyone anticipated as recently as a year ago. For example…

In October 2023, our founding utility partner Southern Company filed an integrated resource plan projecting 6.6 GW of load growth through 2030, which was 6.2 GW higher than its forecast just a year previously! In testimony to regulators, Southern Company leadership stated: *"Nothing in the company's or state's history would have predicted load growth of this magnitude or that such growth would occur so rapidly."*[11]

Another partner, Duke Energy, published a new resource plan this January, noting *"We're already projecting eight times the load growth we anticipated just two years ago… This additional demand for energy is unprecedented – historic in both size and speed."*[12]

"Running the gauntlet" in 1500s Sweden

Our partner First Energy simultaneously announced a big increase in its five-year capital plan, while publicly abandoning its goal of reducing carbon emissions by 30% by 2030.[13] Because of growing load and the difficulty securing new supply, the company has decided to keep two large coal-fired power plants running longer than previously anticipated. (First Energy has maintained its commitment to achieving net-zero emissions by 2050.)

This phenomenon is not contained to specific utility service territories. In December, the North American Electric Reliability Corporation released its **annual risk assessment**, which found that the chance of running short on generation capacity has risen substantially since its last assessment, with more than half the continent now at elevated or high risk of capacity shortfalls.[14] In short: the grid is suddenly starved for firm capacity, and firm capacity is hard to come by without many years of lead time. It's especially hard to come by without delaying coal plant retirements or building new gas generation.

There is simply no other source of firm capacity (yet) which can be built as quickly, affordably, and confidently at gigawatt scale.

This presents big, obvious challenges for power sector decarbonization, *at least* through 2030.

However, we also see substantial upside for a number of our portfolio companies, including those that are developing much lower-carbon solutions. A few notable examples are:

Enchanted Rock: *Some* of the new gas generation that's built during this period ought to be distributed. In fact, adding gas generation at the so-called "grid edge" is one of the most promising approaches to future-proofing natural gas assets for scenarios in which they're called on to run much less frequently, because they can retain considerable value as a resilience-oriented asset.

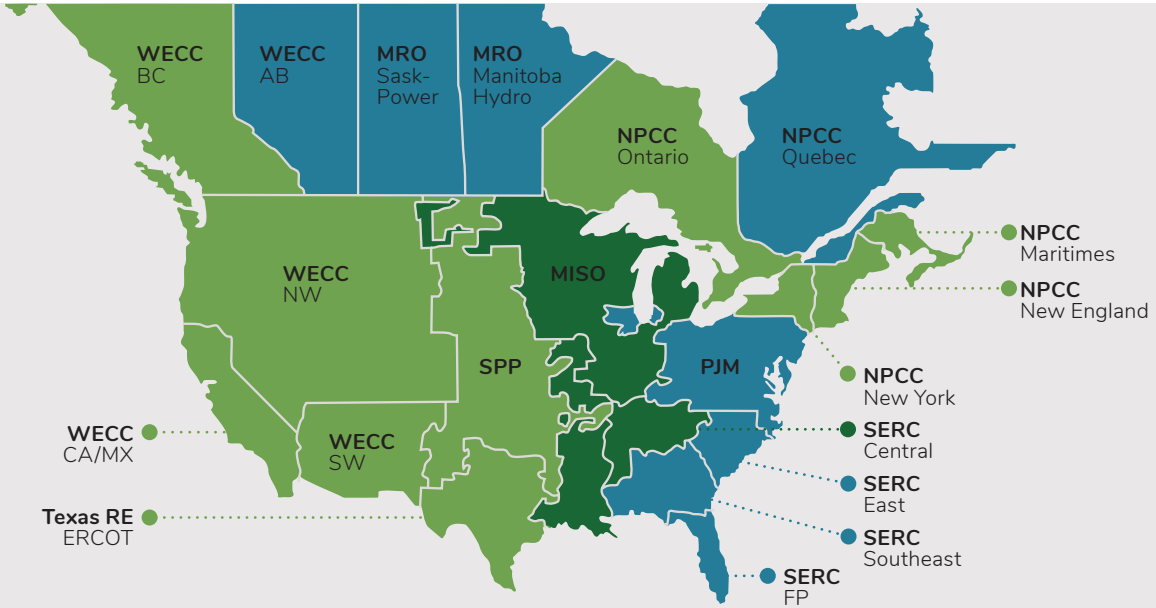
Electric Hydrogen, **Koloma**, and **Carbon America**: As more gas assets are deployed to meet surging demand for the next few years (at least), utilities are considering how to make sure those assets can continue to provide value through 30 years (or more) of useful life. The two most compelling pathways – neither of which is easy, but both of which appear feasible – entail retrofitting those assets over time, either for hydrogen combustion or for carbon capture & sequestration. Although our portfolio companies in these areas don't stand to benefit immediately, investment in natural gas turbines probably represents a long-term tailwind as long as society continues to tighten carbon emissions constraints.

Form Energy: The power system's emerging capacity crunch has already been a boon for Form Energy's distinctive multi-day storage solution, which is able to provide firm, dependable capacity through even the most extreme weather events, such as multi-day wind energy lulls or polar vortexes. Unsurprisingly, 2023 was a banner year for Form Energy's commercial progress: the company announced over 5 GWh of projects with major US utilities.

Sparkfund, **Aeroseal**, **Transaera** and other companies dealing in *energy efficiency* are likely to benefit from the pressure that The Gauntlet is putting on resource planners to keep up with load growth.

There's no map to follow through The Gauntlet, but we're proud that many of our companies can help clear the path. And we will be taking this macro trend into account in all of our investment activity moving forward.

RISK AREA SUMMARY 2024-2028



Source: 2023 Long Term Reliability Assessment", NERC, Dec 2023

THE DATA CENTER BOOM

By JAKE ELDER, Vice President, Built Environment

Over the last decade, data centers have evolved from a niche product serving a few major corporates to the de facto operating system for the internet.

At the same time, these facilities have evolved into giant campuses that can cover 10M+ sq ft and consume hundreds of megawatts of power.

Astonishingly, to date, this tremendous growth in computing demand has come with minimal increase in power demand. Economies of scale from cloud computing, generally, and performance improvements by large cloud "hyperscalers", specifically, enabled the industry to grow by ~10x in the last decade with only a 10% increase in power consumption.

Yet, there are now multiple signs that demand is on track to outpace efficiency gains moving forward:

1) **The low-hanging fruit has already been harvested.** The easiest workloads to shift have **already moved to the cloud**, and hyperscalers are experiencing diminishing marginal efficiency gains.
2) **The rise of Generative AI is already a game changer.** Next generation, AI-optimized servers are incredibly power hungry, with chips that are stacked so tightly together that they can't be kept cool using air alone. We're seeing hundreds of billions of dollars invested to build out next generation data centers, train AI models, and build applications on top.
3) **It's not just about building AI models.** "Training" Generative AI models is energy intensive but operating them at scale is what might cause a truly massive surge in demand. Running a query with ChatGPT today consumes around ten times as much energy as a basic Google search did a decade ago.

Not long ago, a 100MW data center was considered quite large. Today at EIP, we're seeing multiple projects of 1GW or greater. In some regions, this demand is overwhelming utilities' capacity to serve new load. For example, **PJM** projects that new data center demand alone will cause Dominion's summer peak to more than double by 2035. Meanwhile, some utilities are also facing an uptick in interconnection requests from other large new industrial facilities (such as battery manufacturers). As a result, data center developers are increasingly being told that they need to wait upwards of five years (or more) for firm power supply, and some utilities are scrambling to reconsider their resource plans.

At EIP, we view data center demand growth as just the tip of the spear of a generational challenge for the utility sector. Utilities and large industrial consumers of all types will need to collaborate much more closely to enable faster interconnection, without veering too far from the path to achieving carbon goals.

How might this play out in practice – and how do we keep this surge in electricity demand subsuming all the great progress we've made in decarbonizing the grid? While we're excited about a number of novel technologies in the long-term (next-generation nuclear and enhanced geothermal are particularly exciting), the reality is that we don't have enough deliverable carbon-free energy to address this issue today. Instead, we're seeing some operators start to build their own generation, such as **Microsoft's** deployment of a 170 MW gas-fired plant in Dublin, Ireland or **Amazon's** use of solid oxide fuel cells for three 24 MW fully off-grid data centers.

As power becomes a major constraint, utilities are considering new strategies for accelerating timelines & mitigating grid impact:

Load interconnection queues and planning tools: Utilities are starting to re-asses processes for large load interconnection, streamlining the multiple paths that currently exist within a single organization. Some utilities already publish "hosting capacity" maps for solar interconnection; now, several of our partners are considering similar tools to support interconnection for large loads.

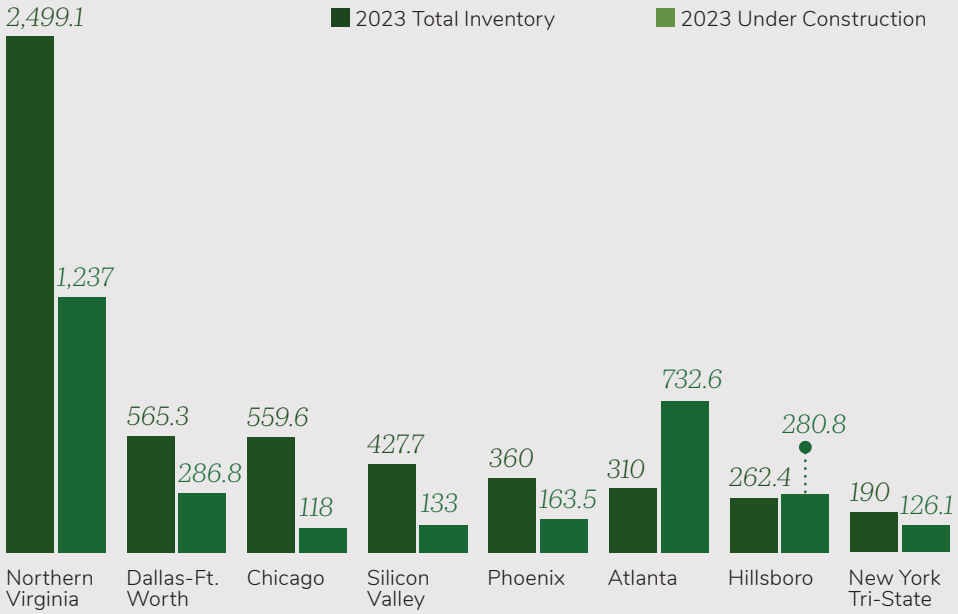
Incorporating distributed, dispatchable loads into generation planning: Utilities are increasingly looking to tap into distributed generation, which might be sited & deployed faster than large, centralized power plants. Most on site generation to date has been diesel, though we're seeing gas engines, "linear generators" (e.g., **Mainspring**, Intelline), and fuel cells arise as alternatives.

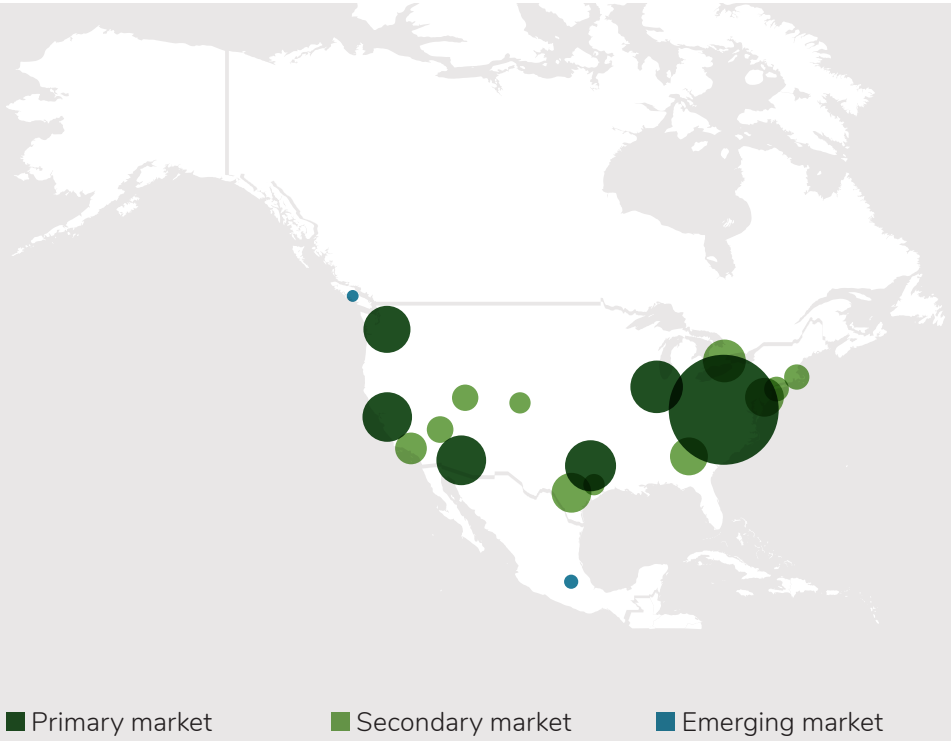
THE CHALLENGE OF BUILDING THE NEXT WAVE OF COMPUTING IN A MORE POWER-CONSTRAINED ENVIRONMENT ELEVATES THREE KEY PRIORITIES FOR THE DATA CENTER INDUSTRY

EIP portfolio company Enchanted Rock's natural gas microgrids present a compelling near-term alternative to diesel for data center operators, as they can provide both backup power supply when the grid is down, as well as peaking capacity during normal conditions. These deployments can also include RNG procurement (as illustrated by E-Rock's **partnership with Microsoft**) and/or transition later to hydrogen.

The data center industry has "grown up" in short order – and operators are now being forced to consider growth, power, and sustainability in a fundamentally different way. Given their foundation in the computing and real estate industries, data center operators will need to collaborate with utilities, distributed generation providers, engineering and construction firms, as well as local economic development agencies in order to overcome these daunting challenges to sustainable expansion.

WHOLESALE COLOCATION DATA CENTER TOTAL INVENTORY & UNDER CONSTRUCTION (MW)





Source: North America Data Center Trends H2 2023
Source: 2023 Global Data Center Outlook, JLL (2024)

THE DEATH OF EVs HAS BEEN GREATLY EXAGGERATED

By BRYANT EBRIGHT, Associate Vice President – Mobility & Transport

Beginning in summer 2023, we started to see a steady barrage of headlines amplifying the plight of the electric vehicle emerge into the mainstream.

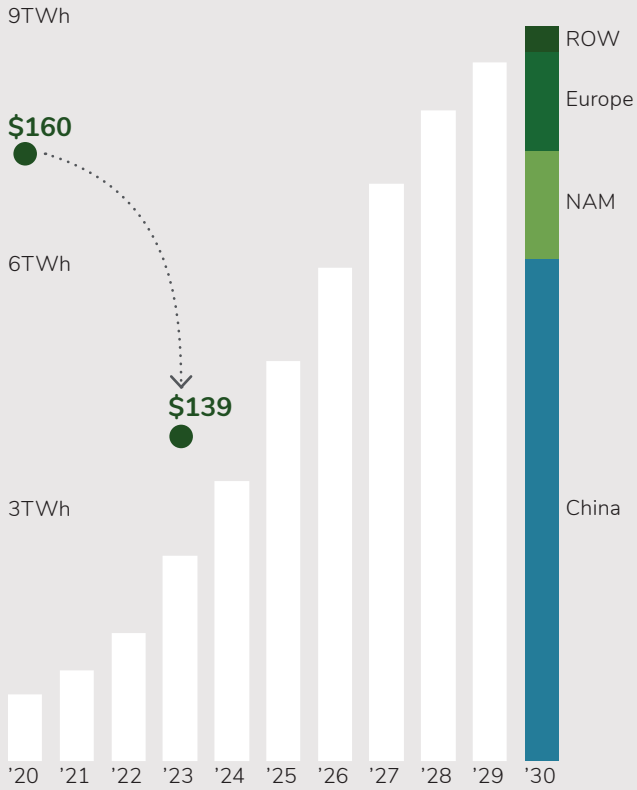
Covid-era supply shortages had given way to a surplus of EVs piling up on dealer lots. In response, some automakers right sized battery plant investments, messaged the financial stress of price cuts and labor negotiations, and ultimately scaled back EV targets. Upon first glance, it would appear the building momentum for electric transportation had stalled.

On closer examination, however, this so-called "EV winter" has been quite exaggerated. The swelling EV inventory data is a bit misleading, as it only includes legacy automakers leveraging traditional dealership models, and excludes Tesla, Rivian, and other direct to consumer brands. Additionally, many dealers have been reluctant to sell EVs given the customer education burden and infrastructure requirements, with five thousand dealerships recently penning a second letter to President Biden highlighting these concerns.

In reality, deployment grew steadily across the US in 2023, with some states clearly advancing beyond early adopters. Electric vehicle sales in 2023, which include both pure battery electric and plug-in hybrid models, approached 10% of new car sales across the United States, and 13 states surpassed that threshold. Amongst all the negative headlines, EVs held up well with 48% YoY growth and the leading market forecaster Bloomberg New Energy Finance projecting a similar growth rate in 2024. So far, EVs have had a slower start to 2024, with Q1 sales down 12% QoQ, against the backdrop of all light duty vehicle sales slipping 4% in the quarter. To be clear, 17% annual growth in Q1 is a slowdown, but 350k electrified vehicles sold is hardly the EV winter it's being portrayed as.

The real story on electric vehicles is more nuanced. Some auto OEMs – notably Ford & GM – have indeed struggled to profitably ramp up EV production, especially amidst a period of tough labor negotiations, inflation, and high interest rates. At the same time, demand for some models came in lower than anticipated, possibly due to missteps in design and rushed software development. Throughout

GLOBAL LITHIUM-ION BATTERY PRODUCTION CAPACITY VS BATTERY PACK PRICE DECLINE



Source: Benchmark Gigafactory Assessment, Oct 2023 | BNEF, Nov 2023

the fall, several OEMs capitulated by scaling back production, downsizing battery investments, and emphasizing hybrids.

However, other automakers made progress. Importantly, Tesla's head-start on scale enabled the company to cut prices multiple times throughout 2023, while maintaining profitability, but aging model lineup remains a question. Hyundai and Kia have made great strides to reach 2nd place in EV sales, while Volvo and BMW have leaned into electrification. Most importantly, OEMs continue to invest in the space; we expect the number of EV models available to American consumers to roughly double to nearly 100 by the end of this year.

Looking ahead, sticker price parity between EVs and internal combustion engine (or 'ICE') vehicles finally appears within reach – even excluding tax credits. In aggregate, the price premium for EVs over the average ICE before tax credits nearly evaporated over the course of 2023. The consumer tax credits can now be claimed at the point of sale, but only about half the current models qualify due to Foreign Entity of Concern (FEOC) sourcing rules, at least until automakers rearrange their supply chains. Leased vehicles remain eligible for tax credits regardless of domestic content requirements, vehicle price caps, and consumer income limits, which has led EV leases to rise from 7% in October 2022 to 59% at the end of 2023.

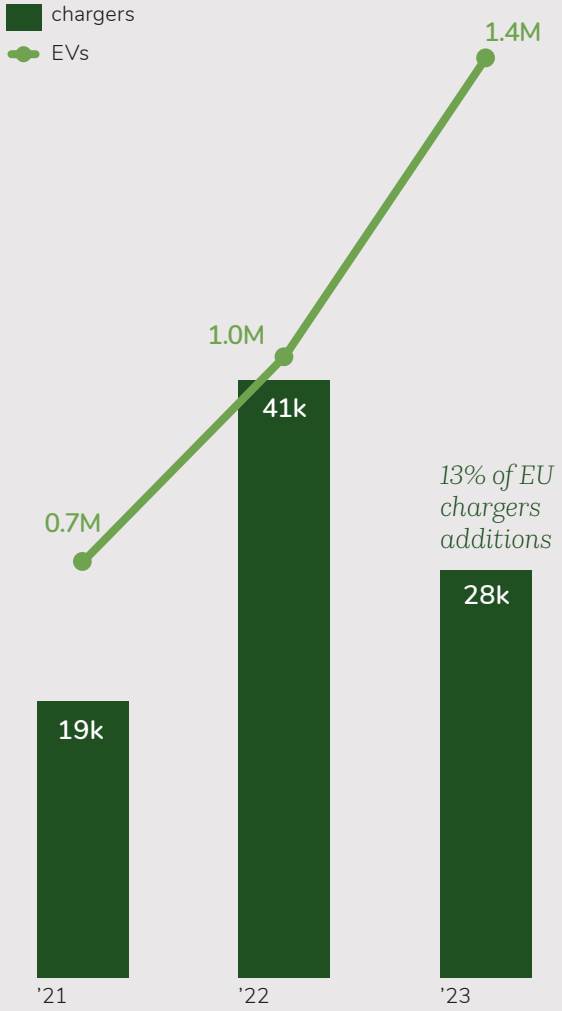
The massive buildout of global lithium-ion capacity should continue to drive down cost. The doubling of gigafactory capacity from 2020-2023 led to a 13% drop in pack level battery prices over that period. Production is expected to quadruple again by 2030. Critical inputs are on a downward trend as well, with cathode prices declining 33% in the second half of 2023 as minerals like lithium, nickel and cobalt all dropped in price. Cheaper cell chemistries and pack engineering advancements also bode well for the cost of batteries over time.

The overlooked and more consequential EV story of 2023 was the big drop in new public charging installations across the United States.

US public charging installations were 76% below BNEF's forecast for 2023 as site hosts hesitated in the face of macroeconomic worries and uncertainty about the pace of EV adoption. Importantly, they were also awaiting the $7.5 billion in federal NEVI & CFI charger funding, which has been slow to be distributed but is expected to accelerate throughout the 2024 election year. Installations of reliable public chargers will need to rebound significantly in 2024 to keep pace with vehicle deployment.

Regardless of near-term challenges and amplified news stories, we still see mostly tailwinds for the EV market. With battery manufacturing investments continuing to surge and technology improving steadily, we're confident that EVs are on track to compete well on both economics and driver experience.

ANNUAL US PUBLIC CHARGER INSTALLATIONS VS EVs SOLD



Source: EIP analysis of BNEF data

TURMOIL & TEMPTATION IN THE VOLUNTARY CARBON MARKETS

By KIRSTEN SMITH, Senior Associate, Research & Innovation

For voluntary carbon markets (VCMs), the past three years have been the best of times, and the worst of times.

Driven by a surge in corporate net-zero commitments, demand for carbon credits, or "offsets", began to skyrocket in 2020-2022. Through that period, a host of venture-backed startups flooded the market with the goal of wedging themselves into an increasingly complex value chain. Yet, over the past 18 months, just as the market began to boom, trust in the validity of most credits began to collapse.

New headlines for the sector have been nothing short of devastating. Credible reports of scientific errors, miscalculations, and even outright deception have cast doubt on nearly every link in the value chain, from major standards bodies & credit issuers to project developers & brokers. Greenwashing claims are now rampant. In July 2023, the CEO of United Airlines summed up an emerging consensus on the market succinctly: "The vast majority of projects, frankly, are fraud".

As public outcry over the dubious quality of offsets has grown, some major companies such as Shell and Nestle have started to back away from purchasing offsets altogether. Simultaneously, regulators and quasi-regulatory industry organizations including the **U.S. Commodity Futures Trading Commission**, **Department of Treasury**, and the **International Organization of Securities Commissions** are reviewing the need for a role in market oversight.

Despite a value chain that's ostensibly full of quality control steps, nobody in the market has been sufficiently motivated to focus on quality. In this context, "Quality" refers to both the actual, additional impact of a project, as well as the ability to confidently measure & verify that impact. The essential question faced by the market is whether new solutions can actually address these quality concerns. So far, growth in the supply of offset has been supported by a wave of new market-making players, none of whom are addressing the core quality problem. Nearly all private investment in this sector has focused on enabling market liquidity through carbon marketplaces, brokers and retailers.

The best hope for salvaging this market is probably a mix of three emerging elements: improved measurement, reporting and verification (MRV), independent quality ratings, and insurance products, which are finally attracting venture investment. MRV tech is needed for nearly any project and is particularly complicated for nature-based solutions. The heterogeneity of natural processes makes these solutions extraordinarily difficult to get right and current MRV processes are time-consuming and costly. Using a combination of ground sensing, aerial sensing, and satellite data, plus machine learning for data analysis, new solutions aim to reduce the labor-intensity of MRV while also increasing consistency.

Offset ratings and insurance products can potentially offer an additional layer of validation and risk management. Third-party offset ratings provide buyers with an extra layer of screening and due diligence when they are selecting the specific projects from which to procure offsets. Many marketplaces are beginning to include these ratings tools in their platforms for buyers. There are four companies we're aware of in the market today – **BeZero**, **Sylvera**, **Calyx Global** and **Renoster**, but it's hard to see this function as a large, stand-alone product category. Another area in which we're seeing encouraging innovation is insurance, to protect credit buyers from the risk of project quality or timeline misses. For example, **Kita** has developed a delivery risk insurance product for buyers making forward purchases of removal offsets.

We remain hopeful that these solutions will restore the long-term viability of nature-based solutions. Meanwhile, we see even more promise in technology-based solutions (like direct air capture) whose quality is not in doubt.

While it is not a substitute for emissions reductions, carbon removal is an important tool to deploy in combination with other mitigation methods. Today, price-insensitive buyers are making large public commitments aiming to jump-start the industry with some market leaders laying out a compelling, portfolio-based approach to incorporate removal offsets into their carbon strategy over time. But these technologies are in early development – the projects are expensive and have yet to demonstrate commercial-scale. More innovation in this space is needed and we expect governments to play a substantial role in scaling solutions.

QUALITY CONCERNS BOIL DOWN TO FOUR MAIN FACTORS — ADDITIONALITY, VERIFICATION, LEAKAGE, AND PERMANENCE — THAT ARE DIFFICULT FOR MOST CUSTOMERS TO DILIGENCE

Additionality

Would the activity still have happened without the offset?

Verification

Is the project delivering real emissions reductions?

Leakage

Is the activity shifting emissions elsewhere rather than reducing them?

Permanence

How long will the carbon remain stored?

HYDROGEN: POLICY DRIVEN SUPPLY SIDE RAMP-UP



By DR. EVE HANSON, Senior Vice President, Research & Innovation,
GENEVA WERNER, Senior Associate, Research & Innovation, and
CLOTHILDE VENEREAU, Former Senior Associate, Strategy

As the search for a decarbonized fuel form intensifies, hydrogen (H2) is generating renewed attention from both government and industry.

The US Inflation Reduction Act and Bipartisan Infrastructure Law supercharged project development - notably $8 billion for hydrogen hubs and the 45V tax credit of up to $3/kg H_2 that could generate total support in the tens of billions. Many other regions including Europe, Canada, Chile, Australia, and Japan have also adopted aggressive policies and targets. In Europe, increased energy security concerns have made hydrogen a significant component of the strategy to replace Russian gas imports.

The hydrogen market is currently a net emitter, contributing to nearly 2% of global emissions, primarily from production through steam methane reforming for use as a chemical feedstock and reducing agent in industrial processes (ammonia production, methanol production, refining). To clean up hydrogen production, electrolysis (splitting water into hydrogen and oxygen, or so-called "green hydrogen") is the supply path that garners the most press attention. Our research suggests that electrolysis projects making use of the best intermittent renewables and lowest cost electrolyzers (like those made by our portfolio company, **Electric Hydrogen**) ought to be able to achieve unsubsidized H_2 in the range of $2.5-$4/kg over the next decade. However, this price range does not reflect the price of firming the supply; firming hydrogen supply can easily double its cost.

Since power is the largest determinant of green hydrogen production cost, production projects are centered in countries with comparatively low-cost renewables (some of the U.S., Chile, MENA, and Australia) and with the most supportive policy regimes (e.g., Europe). Import agreements generally stem from countries with limited domestic energy sources and security concerns (Japan, South Korea, and the EU). Europe has announced the most hydrogen projects by far ($193 billion), over double the level of announcements in either Latin America ($85 billion), Oceania ($75 billion) or North America ($68 billion).

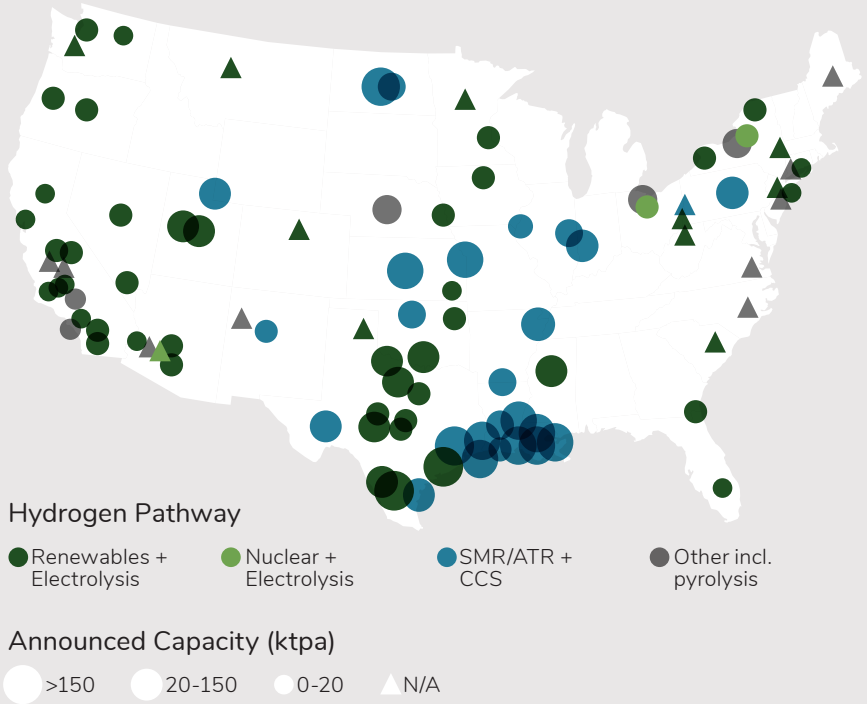
In the U.S., "blue" hydrogen production from natural gas with post-combustion carbon capture is gaining the greatest traction. The U.S. is by far the global leader in blue fossil hydrogen projects with carbon capture, with 7.2 million tonnes of production announced through 2030, over 50% of the global total. This production process leverages very cheap U.S. gas prices, the large established U.S. gas infrastructure, and the fact that carbon capture may be cheaper to implement in facilities with captive H_2 production, such as ammonia plants and oil refineries, than swapping supply to green hydrogen. These same factors are prompting a surge of interest in pre-combustion methane pyrolysis – "turquoise hydrogen" – with the added benefit that carbon is recovered in a solid form that is a saleable product and does not require access to CO_2 transport/sequestration. We've invested in the "dark horse" of hydrogen production: naturally occurring geologic hydrogen, via the data-advantaged developer **Koloma**. If proven out, geologic hydrogen could turn out to be an extremely climate-friendly source of energy, with almost no processing, GHGs, or water consumption.

We see near-term clean hydrogen demand driven by existing hydrogen markets (ammonia, methanol, refining), with the highest potential for large new markets in two areas: shipping and aviation, most likely in the upgraded form of ammonia or e-fuels, and potentially as a peaking resource in power generation. In shipping and aviation, even the leading edge of the battery industry is not on track to provide the energy density needed to support these sectors. Sustainable aviation fuels (SAF) look like a particularly promising application, and EIP has invested in the Swiss company Metafuels, which has a proprietary, highly selective process that promises lower-cost SAF.

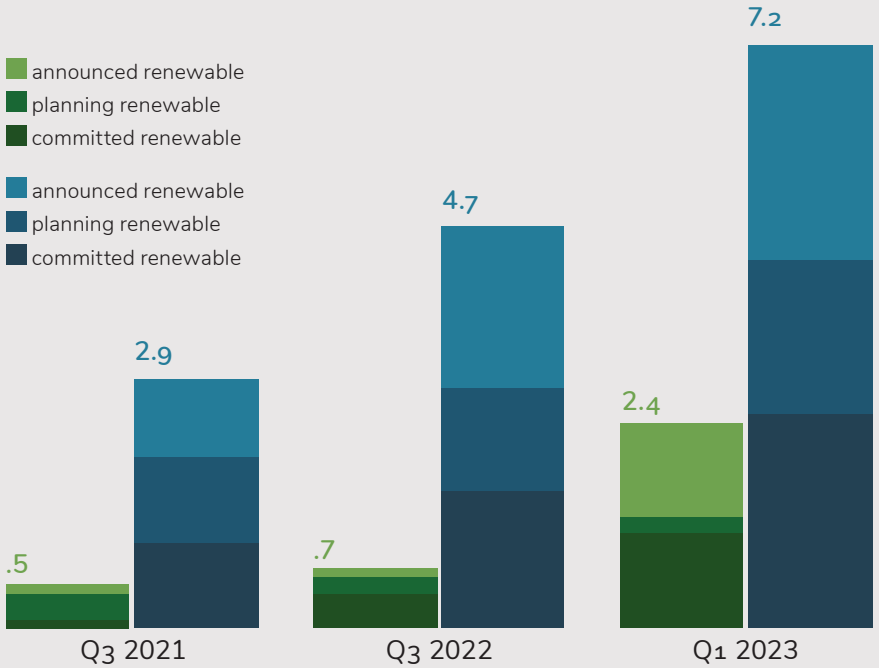
In the power sector, we do not see clean hydrogen competitive with either short-term battery storage or baseload combustion power. Fossil fuels provide tremendous resiliency into the power sector. We have few decarbonized options to replace this resiliency – we see that hydrogen and ammonia may have a role as an expensive, decarbonized, peaking resource or as a vector for delivering energy to renewables and resource-constrained regions. However, combustion turbine OEMs have promised 100% H2-capable turbines by 2030. That hydrogen and ammonia could be useful, but expensive, as a peaking resource when resiliency is at a premium. Seasonal salt-cavern storage may also prove out, again with resilience taken into account. (see graphic)

BLUE HYDROGEN PRODUCTION DOMINATES TOTAL ANNOUNCED CAPACITY IN THE US, WHILE GREEN PRODUCTION ANNOUNCEMENTS HAVE GROWN 3.5X SINCE THE PASSAGE OF THE IRA.

Clean hydrogen production announcements through 2030



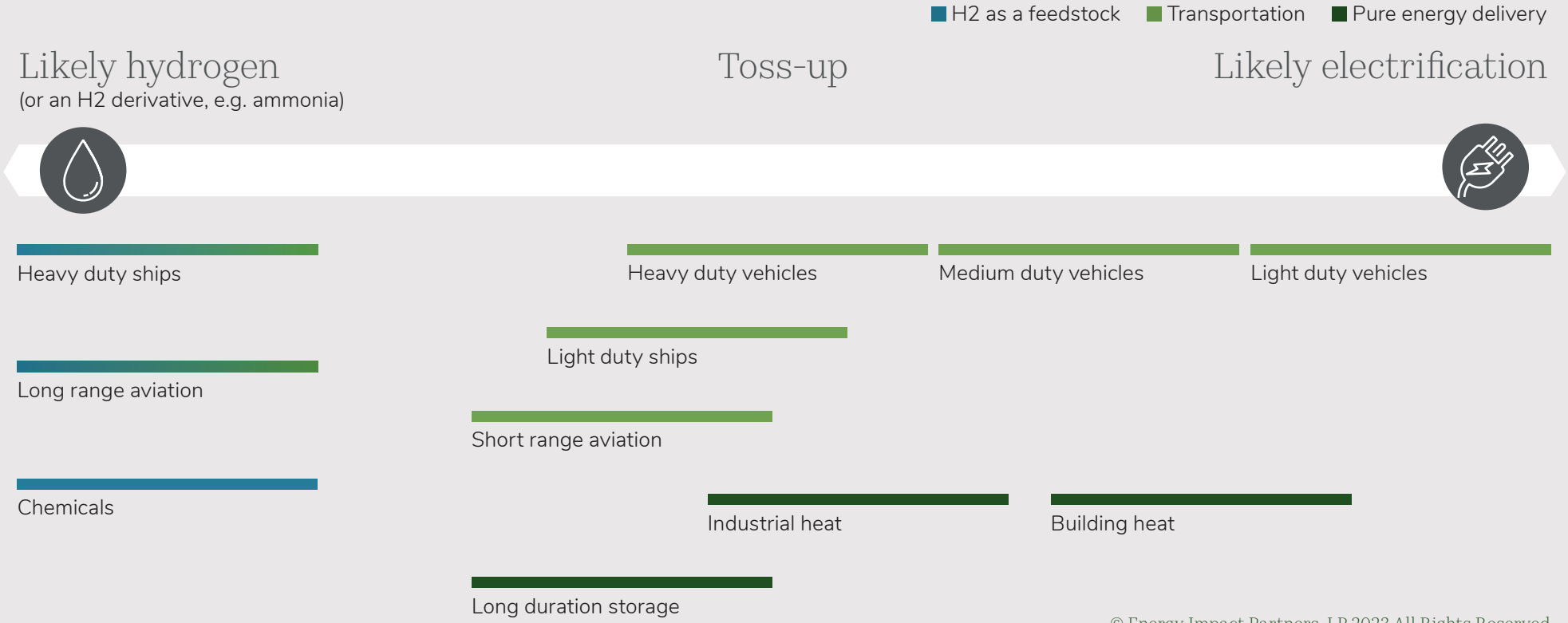
Clean hydrogen production capacity through 2030, MTa



The part of the hydrogen value chain that has received the least attention is the midstream or transport and storage sector, which we think is a significant point of weakness. There are a growing number of supply chain integrators, pipeline specialists, processing, and storage companies, but investment activity has been limited and costs may be higher than the market has yet factored in. Delivery of hydrogen to small-scale distributed sources, including vehicle fueling stations, is even more expensive, leading us to doubt that most small-scale hydrogen applications will pencil.

We continue to monitor the hydrogen market with caution — only about 10% of global announced projects have reached a final investment decision, and quickly ramping the market for a new fuel form requires a difficult alignment of supply, demand, and the infrastructure to connect them. In our polling of executives within our coalition, lack of bankable offtakers was by far the dominant factor preventing hydrogen projects from reaching full commercial approval. In geographies with a decarbonization mandate and carbon tax, we see stronger demand signals for decarbonizing existing hydrogen industries and market pull for upgraded e-fuels.

BROAD OVERVIEW OF HYDROGEN'S COMMERCIAL POTENTIAL BY APPLICATION



CLIMATE IMPACTS

Section Three

OUR APPROACH TO MEASURING CARBON SAVINGS

Carbon savings—also often called, Scope 4, avoided, or mitigated emissions—are relative to emissions in a baseline scenario.

That is, to determine the carbon savings of a technology in which we invest, we must compare it to a world without that technology. Among impact measurement frameworks, there is no disagreement on this point: savings can only be measured by comparing two scenarios. However, as in any field of impact investing, this comparison cannot always be numerical.

Decarbonizing the world's energy systems will require a vast number of new technologies and business processes in addition to many policy improvements, behavior changes, and public sector actions. Many of these very important new technologies and processes play foundational roles that do not lend themselves to being quantified in ton-by-ton, unit-by-unit carbon savings. Nonetheless, these technologies are a necessary part of the transition to clean energy. We measure the effects of these foundational technologies using indicators that more honestly track their role than tons of carbon dioxide equivalents avoided. This section provides results for our *Directly Measurable* (DM) investments, while the next section reports *Foundational* (F) or "enabling" company impact KPIs.

At EIP, all our DM investments are in companies that make specific emissions-reducing solutions that are already commercially available or are projected to become available in the coming decade. In the language of **Project Frame's Pre-Investment Considerations** methodology, which we helped develop, our investments are "specific companies/portfolios/projects" rather than "broad climate solutions."[15] It is therefore appropriate to report Realized and Planned impacts, not Potential impacts, as labeled in the Project Frame approach. This report provides these two measures: *Realized* impacts for 2023 and prior years and *Planned* impacts for the lifetime of installed measures and for companies who have not yet entered the market (as shown in the table to the right). Project Frame's remaining guidance for computing these two types of impacts closely follows our measurement approach, which is explained in more detail in our own methodology white paper, **Know Your Impact (2022)**. As members of an affiliate of the Glasgow Financial Alliance for Net Zero (GFANZ), our measurement methods also fall within the classification of Expected Emissions Reduction for Climate Solutions

EIP IMPACT METHODOLOGY ALIGNMENT WITH PROJECT FRAME

EIP Carbon Impact Measurement	Project Frame Label
Annual Carbon Savings Enabled	Realized Impact
Lifetime Carbon Savings Enabled	Hybrid Realized + Planned Impact
Five-Year Project Carbon	Planned Impact Savings Enabled

"EIP is a key contributor to Mill's Impact work, providing life-cycle assessment expertise, as well as vital 3rd party review of Mill's approach and preliminary LCA. As one of Mill's investors, and given the early stage of the company, EIP has helped support annual corporate greenhouse gas accounting, and has helped facilitate numerous introductions that led to thoughtful and innovative ways Mill approaches measuring impact as a company."

MILL IMPACT TEAM

This endorsement is made by an employee of an EIP portfolio company. Employees of EIP portfolio companies may be incentivized to give a favorable review of EIP given it provides, and may in the future provide, its portfolio companies with access to beneficial resources, business contacts and/or capital.

A few other notes on our methodology beyond Project Frame's methodology are also helpful.

With respect to additionality, we do not claim that our investments are strictly additional under the traditional definition (i.e., that the technologies we invest in would never have been financed or built absent our contribution). As we explain in **Know Your Impact**, we refer to our savings as *enabled* because our role is to finance companies whose products affect change or can potentially affect change on high-emissions value chains. We also do not claim to be the sole actor effectuating change. Our companies impact these high-emissions value chains by substituting a lower-emissions product or process, eliminating waste, increasing customer uptake of cleaner alternatives, and otherwise creating efficiencies and opportunities that would not exist. This cannot be done alone, and often requires other participants in the value chain, including companies who manufacture, install, and service these novel technologies, as well as the companies that support and finance them. To one degree or another, all these actors help enable the emissions reductions we measure.

Finally, regarding allocation among contributors to each value chain stage, including our contribution as investors, we follow GHG Protocol[16] and Partnership for Carbon Accounting Fundamentals (PCAF)[17] guidance by claiming only the portion of a company's savings that we are responsible for financing. For example, if we provide 20% of a company's invested capital this year, we claim only 20% of any of our measures of savings.

FROM GROSS TO NET ENABLED SAVINGS

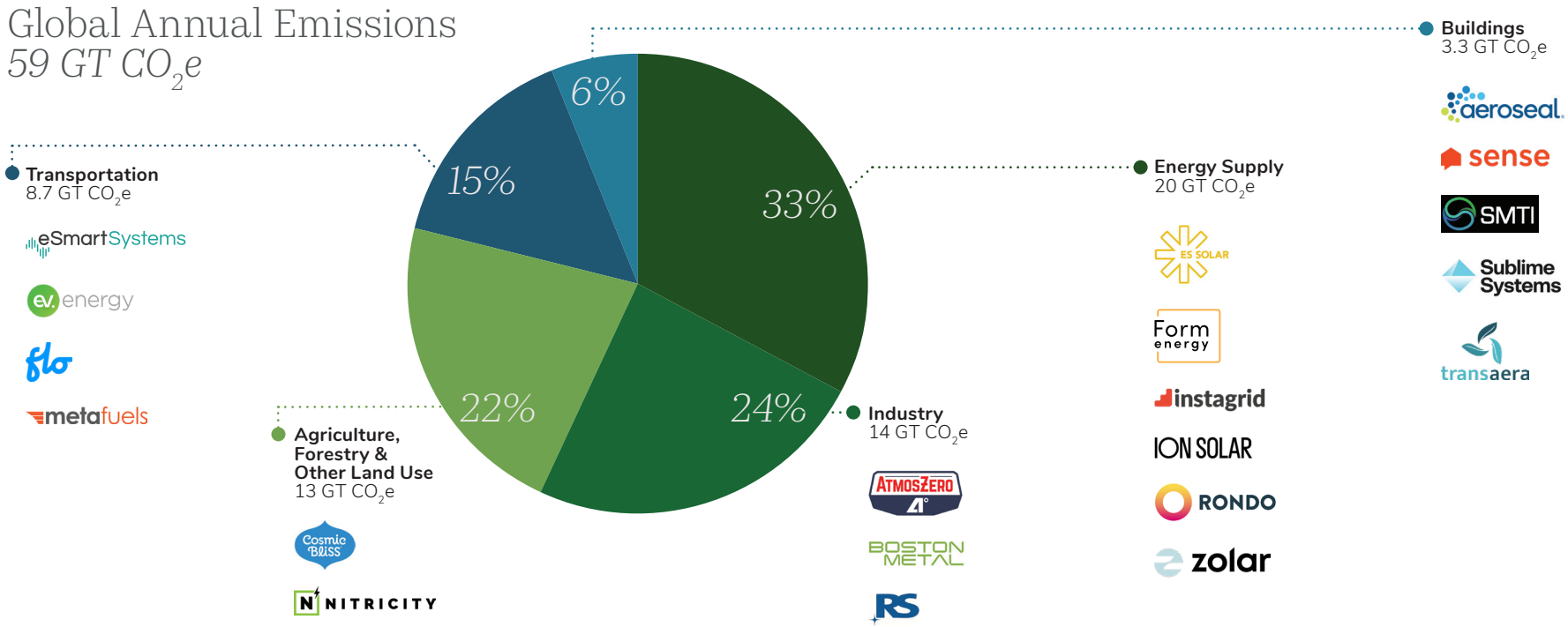
This year we expanded our practice of enhancing our carbon savings results by deducting embodied energy used in the full cycle of manufacturing and use to yield net rather than gross saving. Approximately 16 of this year's calculations utilize life cycle data in this manner.[18]

TARGETING THE LARGE CARBON SAVINGS OPPORTUNITIES

Solving the climate crisis will require eliminating or sequestering billions of tons of greenhouse gases emitted by every major sector of the global economy.

Although EIP does not publish or screen out investments based on speculative long-term estimates of potential savings, we very intentionally target large-scale mitigation solutions in the energy, transportation, industry, and built environment sectors (see figure below). For example, our portfolio includes Zap Energy, a nuclear fusion technology that will revolutionize carbon-free electricity if it proves out commercially. Our investment in Project Canary reduces methane leakage, a greenhouse gas responsible for 30% of cumulative global warming effects since the industrial revolution.[19] Our portfolio company Electric Hydrogen makes electrolyzers for green hydrogen, a fuel the IEA expects to contribute 1.6 Gigatons of savings by 2050,[20] and portfolio companies Form Energy and Rondo make long-term storage technologies that are universally recognized as essential for a fully decarbonized electricity grid.

SELECTED EIP INVESTMENTS WITH ASSOCIATED EMITTING SECTORS*



*Reflects only a subset of investments.

Source: IPCC (2022)

CARBON IMPACTS ENABLED

We have a diverse portfolio of companies at different stages of maturity that aim to influence energy systems in the near- and long-term.

To more accurately measure and report on the enabled carbon savings of our portfolio companies in different stages of the lifecycle, we have three distinct measures:

Annual Enabled Actual Savings
These are the actual carbon emissions avoided in 2023 by our companies' commercial products and services that were sold throughout the year. There is comparatively little uncertainty around these savings as the baseline scenario is essentially the observable state of the market/industry as it is today. Additionally, these figures utilize actual sales and service data rather than projections.

Lifetime Enabled Savings
Many of the products sold by our companies will continue to reduce carbon emissions for their entire useful life, not just during the year they are sold. For example, a heat pump purchased installed in 2023 will be less emissions intensive than a traditional HVAC system for many years. Using these lifetimes, we estimate life-of-product carbon emissions avoided by all sales made during 2023. The baseline for these savings may change over the lifetime of the product.[21]

Planned Five-Year Enabled Savings
For companies whose products are still being developed and are not yet commercially available, we assess the estimated enabled carbon savings during the first five years of commercial availability. To do this, we project the date of market entry, annual sales from this date through the end of the fifth year in the commercial market, and estimate enabled annual carbon savings from these projected sales.[22] The baseline may shift slightly over the five-year forecast period, but usually these changes are not significant. Most investments that use the Planned Five-Year Enabled Savings framework are early-stage technologies still under development with large and sometimes disruptive decarbonization potential.

Each of these three measures is designed to be conservative, and our goal is to provide as accurate a measurement as possible rather than overstating our enabled carbon impact. Upon exit we no longer count any additional enabled savings from new product sales, but we continue to account for the savings enabled by the existing installed base. Annual and lifetime savings measurements which use the services of ESG Capital Group also include savings of electricity and/or fuel, water savings from reduced fossil fuel generation, and reduced SOx and NOx emissions.

Enabled Savings Results
In 2023, our absolute savings (without ownership allocation) were:

19.4 million metric tons CO_2e annual enabled savings, or the equivalent of 4.6 million cars off the road for a year. This is an increase of 72% from 2022;

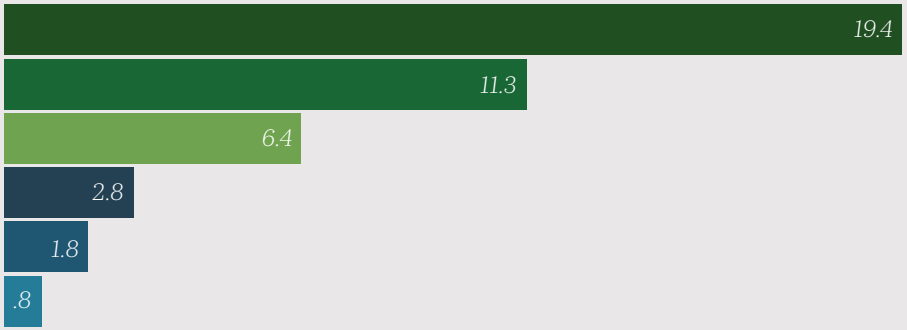
153 million metric tons CO_2e lifetime enabled savings from the installed base of portfolio technologies, or the equivalent of 2.5 billion trees growing for a decade. This is an increase of 48% from 2022;

167 million metric tons CO_2e 5-yr planned enabled savings, or the equivalent of 39.7 million cars off the road for a year. This is an increase of 10% from 2022.[23]

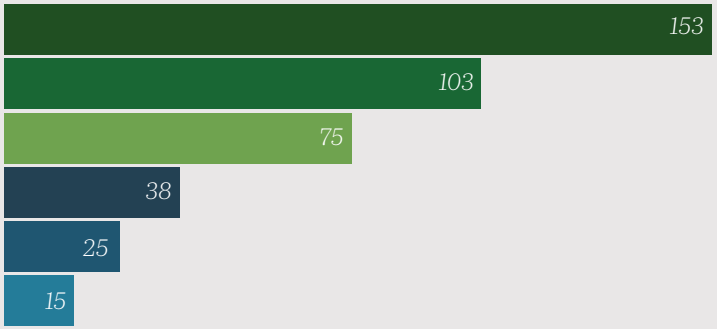
These increases are attributable to many factors. One clear factor is the growth of our portfolio. In 2022, we had 43 directly measurable companies in our portfolio. In 2023, this number grew to 50 companies, or 56% of our active portfolio. Additionally, our existing portfolio companies continued to grow, unlocking greater carbon savings on an annual and lifetime basis. Lastly, we saw some shifts in commercialization forecast from our pre-commercial portfolio companies, leading to changes in the timeframe and trajectory of planned enabled impact.

2018 2019 2020 2021 2022 2023

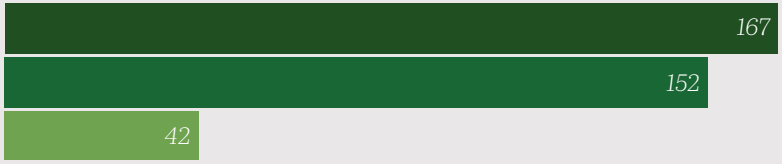
ANNUAL ENABLED SAVINGS
million tCO_2e



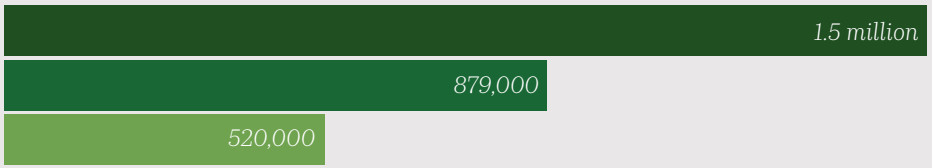
LIFETIME ENABLED SAVINGS
million tCO_2e



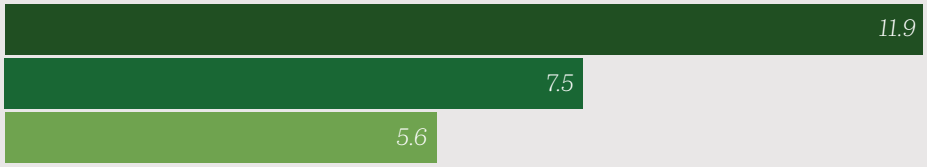
PLANNED FIVE-YEAR ENABLED SAVINGS
million tCO_2e



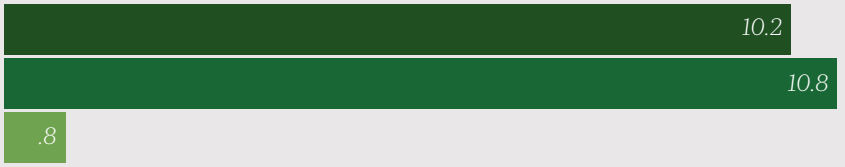
OWNERSHIP-WEIGHTED ANNUAL ENABLED SAVINGS
tCO_2e



OWNERSHIP-WEIGHTED LIFETIME ENABLED SAVINGS
million tCO_2e



OWNERSHIP-WEIGHTED PLANNED FIVE-YEAR ENABLED SAVINGS
million tCO_2e



When adjusted by our ownership share, we see strong growth in our annual enabled and lifetime enabled savings as well: 70% and 59%, respectively. The differences in percentage increases before and after ownership allocation are driven by ownership share differences, different product lifetimes, exits, and the fact that lifetime savings accumulate over many years and therefore tend to shift more slowly than annual totals.

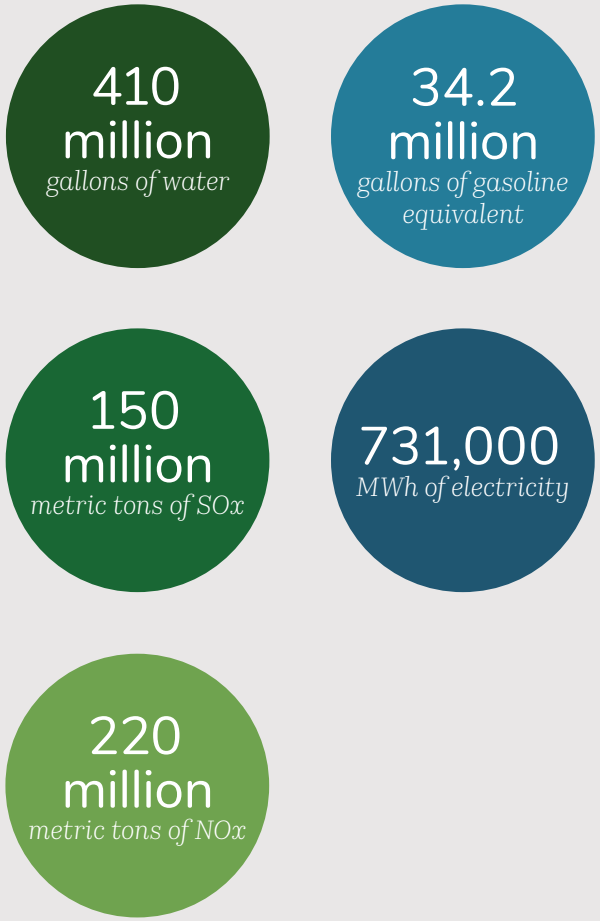
When adjusted for ownership share, we saw a 5% decrease in our planned five-year enabled savings. Noting that total projected enabled savings for these companies has increased 10% in the aggregate, this decline in ownership-weighted savings is attributable to a slight reduction in ownership share in a few pre-commercial companies with large enabled savings. This slight decrease also comes on the heels of last year's gigantic 1100% increase in this category of enabled savings. Another factor is the changing nature of planned impact forecasts, since they depend on commercialization predictions for technologies that are still under development. While these technologies continue to be developed, we often see changes in the pace and timeline of commercialization, impacting the window of our five-year assessment. Additionally, we saw some shifts in overall commercial strategy this year. For example, our portfolio company Transaera has shifted its sights to prioritize commercial and industrial applications for its technology, since there is an enormous need to reduce the built environment emissions in these areas that is not being addressed as directly or effectively by other HVAC innovations.

One positive feature of our overall portfolio savings profile is that the magnitudes of lifetime savings, which are occurring now and over the coming few years, and five-year planned savings, which are enabled by technologies entering the market between now and 2030, provides an immediate, continuing, and long-term stream of climate impacts. This characteristic of our strategy ensures that our portfolio is affecting change both immediately, and also well into the future. For next year's report, we intend to complement these metrics with an additional longer-term measure of savings potential.

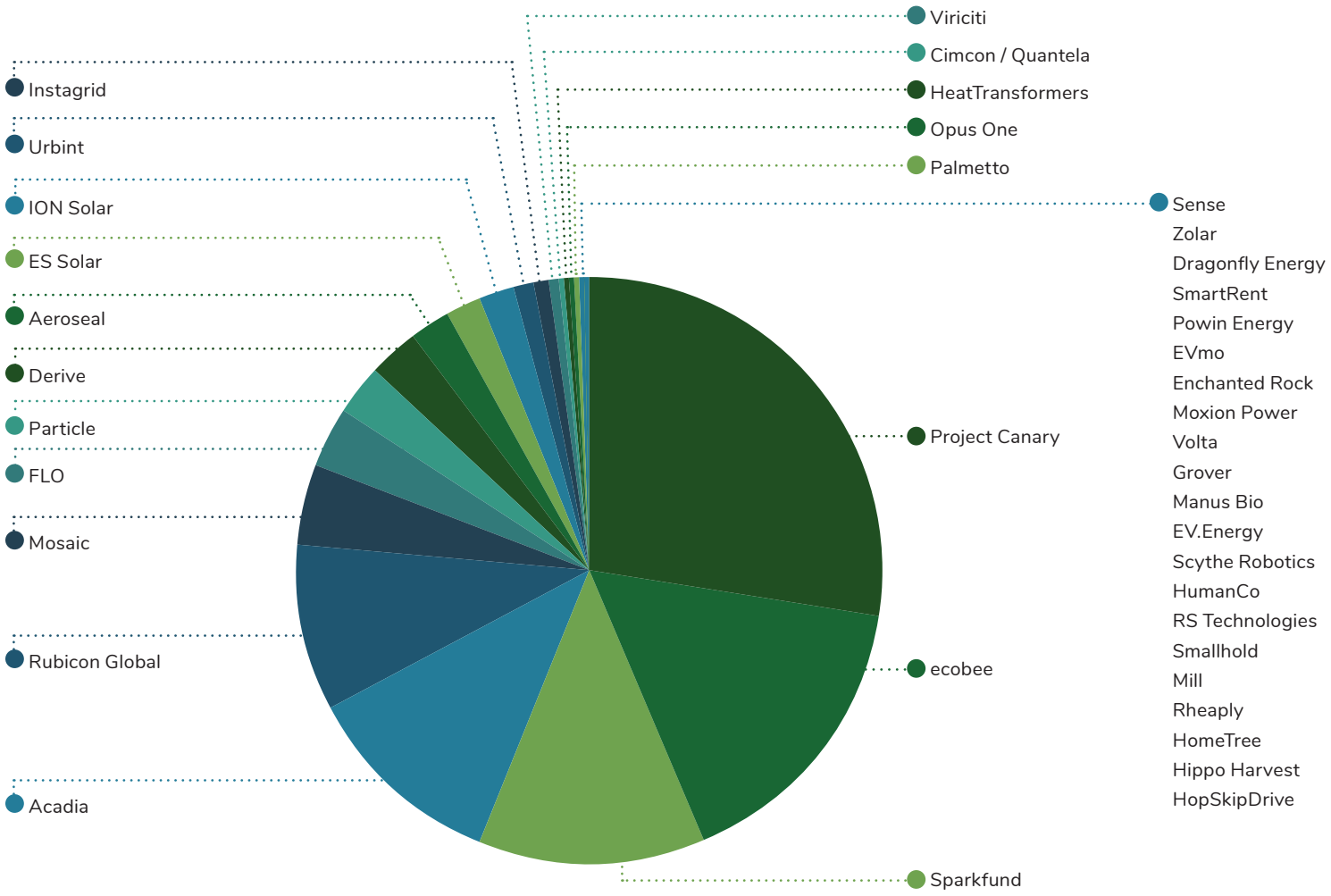
Beyond carbon savings, we also enabled significant growth in other indicators of broader environmental sustainability. Before ownership allocation, our annual electricity savings increased 24% to 8.4 million megawatt-hours (MWh), which is enough power for 457,000 households; our fuel savings grew 25% to 390 million gallons of gasoline equivalent, which is enough to drive 8.9 billion miles; and our water savings rose 22% to 4.4 billion gallons, equal to the water used by 40,200 average U.S. households.[24]

After ownership allocation, our enabled environmental savings were 731,000 MWh of electricity, 34.2 million gallons of gasoline equivalent, 410 million gallons of water, and additionally, 220 million metric tons of NOx and 150 million metric tons of SOx.

OWNERSHIP-WEIGHTED ENVIRONMENTAL SAVINGS



OWNERSHIP-WEIGHTED LIFETIME SAVINGS BY COMPANY



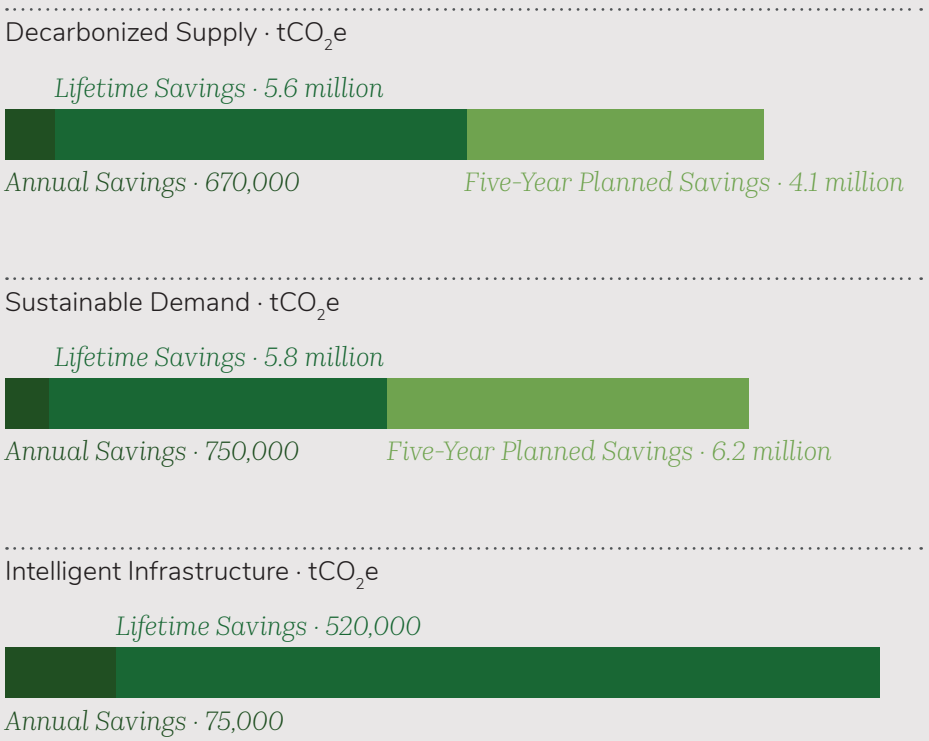
IMPACT THEME & FUND IMPACT

Results by Theme

The figures on this page show our ownership-weighted enabled savings by our three directly measurable investment themes: decarbonized supply, sustainable demand, and intelligent infrastructure. The figures show that annual savings are similar for decarbonized supply and sustainable demand, but that annual savings for intelligent infrastructure are at a lower level. This result is because many of the investments in the latter two categories are inherently foundational to the energy transition but do not exhibit quantifiable impacts.

Lifetime savings are more heavily skewed toward decarbonized supply, and five-year planned savings are more heavily skewed toward sustainable demand. With respect to enabled carbon savings, the overall effect is to tilt our investments towards the so-called hard-to-abate sectors, a strong positive for climate progress.

OWNERSHIP-WEIGHTED ENABLED CARBON SAVINGS BY INVESTMENT THEME



Results by Fund

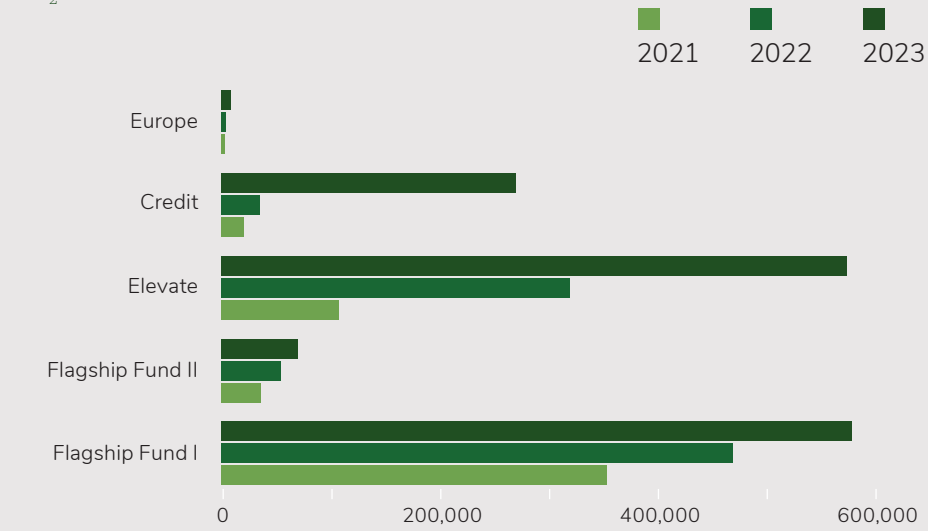
In 2023, five of our active funds made investments in companies that are post-commercial market entry and actively selling solutions that create a quantifiable carbon impact. While we can see from the previous section that savings grew in each of the categories, the figures on the right show how these savings have changed over the last three years by fund:

Flagship Fund I continued to grow in both annual and lifetime enabled savings. Annual enabled savings grew 23% from 467,000 tCO_2e to 576,000 tCO_2e. Lifetime enabled savings grew 25% from 4.8 million tCO_2e to 5.9 million tCO_2e. While we expect the annual enabled savings from this fund to start declining to zero over the coming years as we exit from this portfolio, the lifetime savings will last well into the future.

Flagship Fund II also saw growth in both annual and lifetime enabled savings. Annual enabled savings grew 28% from 55,000 tCO_2e to 70,000 tCO_2e. Lifetime enabled also grew 30% from 695,000 tCO_2e to 900,000 tCO_2e. This is driven by many of the companies in this fund growing their sales over the past year and capturing additional market share. Additionally, of the five funds who have annual and lifetime enabled carbon savings measures, this one has the highest number of directly measurable investments at 11 companies. This fund also has one company, SMTI, which remains precommercial and is thus measured on a planned five-year enabled savings basis and not included in these growth figures.

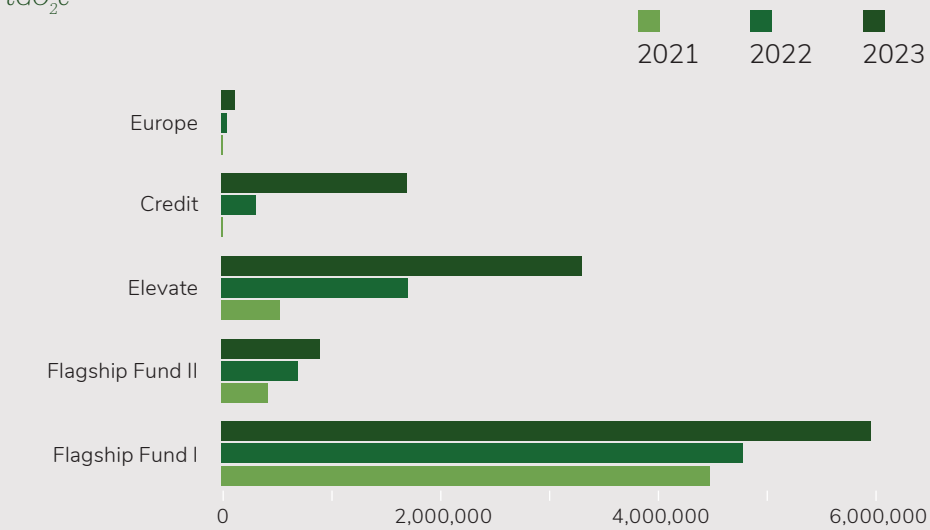
OWNERSHIP-WEIGHTED ANNUAL SAVINGS

tCO_2e



OWNERSHIP-WEIGHTED LIFETIME SAVINGS

tCO_2e



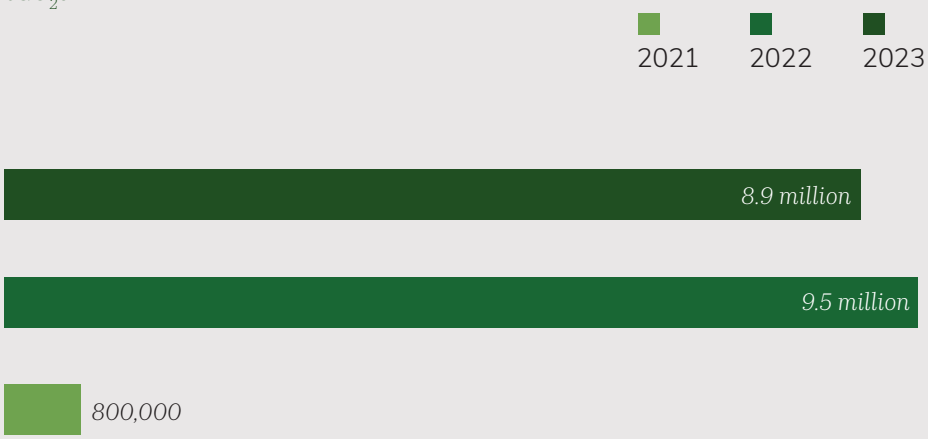
The Elevate Future Fund also saw strong savings growth with an 80% increase in annual enabled savings from 318,000 tCO_2e to 572,000 tCO_2e. Lifetime enabled savings also grew 93% from 1.7 million tCO_2e to 3.3 million tCO_2e.

Our Credit funds saw substantial increases in enabled savings over this past year, largely due to our investment in Rubicon Global—a software platform providing full-service waste management, recycling, and smart city technology solutions. In all, annual enabled savings grew 664% from 35,000 tCO_2e to 269,000 tCO_2e. Lifetime enabled savings grew 431% from 321,000 tCO_2e to 1.7 million tCO_2e.

Our Europe fund—part of our Flagship strategy—also saw significant increases compared to last year. Annual enabled savings from this fund increased 151% from 3,000 tCO_2e to over 8,000 tCO_2e. Lifetime enabled savings also grew 160% from 47,000 tCO_2e to 121,000 tCO_2e.

Our Frontier Deep Decarbonization Fund's carbon savings remained relatively stable, even decreasing a relatively modest 6%. As discussed in the previous section, the primary reason for this decline is a small reduction in our ownership share, and it comes on the heels of last year's meteoric increase of 1100%.

OWNERSHIP-WEIGHTED FIVE-YEAR PLANNED SAVINGS



EIP'S GREENHOUSE GAS FOOTPRINT

Consistent with our missions and our commitments to the Venture Climate Alliance (VCA), an affiliate of the Glasgow Financial Alliance for Net Zero (GFANZ), we measure and report our full GHG footprint every year.

We measure our greenhouse gas (GHG) emissions across all scopes with support from Greenly, a carbon accounting platform and EIP portfolio company. We measure Scope 1 and 2 emissions using activity-based data and Scope 3 primarily emissions using a spend-based approach.

OUR DECARBONIZATION PLANS & CARBON DIOXIDE REMOVAL STRATEGY

This year, we are undergoing an extensive review of our carbon dioxide removal (CDR) strategy, with the hopes of finding a more impactful long-term solution that will put us on a path to substantive decarbonization.

In previous years we purchased offsets and removals for our internal footprint, using higher permanence methods such as biochar, enhanced weathering, and blue carbon for our Scope 1 and 2 emissions with mostly nature-based solutions for our Partial Scope 3 emissions.

As we continue to expand our reach as a firm and step into the next chapter of our growth, we aim to also create a decarbonization plan that matches our values. We plan to release a separate publication with the details of our annual CDR purchase and long-term plan later this year.

Greenly is a carbon footprint measurement platform designed to be both accurate and user-friendly for small- and medium-sized companies. Greenly uses a combination of spend-based and activity-based approaches to measure a company's complete footprint. Greenly's platform also provides useful engagement and benchmarking tools to help enable the transition to Net Zero.[25]

greenly

"EIP has provided nothing but outstanding support to the Greenly team, not just by helping us scale the organization across geographies, but also reinforcing our scientific endeavors."

ALEXIS NORMAND, CEO & Co-Founder, Greenly

greenly

This endorsement is made by an employee of an EIP portfolio company. Employees of EIP portfolio companies may be incentivized to give a favorable review of EIP given it provides, and may in the future provide, its portfolio companies with access to beneficial resources, business contacts and/or capital.

SCOPE 1 & 2 EMISSIONS

We are constantly working to improve the accuracy and transparency of our GHG emissions measurement and reporting.

This year, we were able to improve our Scope 1 and 2 emissions using actual usage data from our Washington D.C. office space rather than relying on average electricity and natural gas usage statistics. Using the actual 2023 energy intensity per square foot and applying it to our other office spaces, we were better able to capture the energy performance of our buildings into our calculation.[26]

In analyzing the results, we noted a material difference between the average energy usage statistics used in previous years and the energy usage estimated using EIP's actual building data. To better analyze the trends in our GHG emissions and avoid claiming an unrealized reduction in emissions, we recalculated our 2022 Scope 2 (purchased electricity) emissions using the actual data from our analysis and updated grid emission factors from the 2023 revision of the EPA GHG Emission Factors Hub.[27] Thus, we have restated our 2022 Scope 2 emissions from 85 tCO_2e to 60 tCO_2e.

In 2023, our Scope 1 emissions from building heat totaled 54 tCO_2e and our Scope 2 emissions from purchased electricity totaled 66 tCO_2e. Overall, our Scope 1 and 2 emissions increased 12% from 2022. In September 2023, EIP moved into a larger Washington D.C. office space, resulting in a 16% increase in Scope 1 emissions. This added square footage and more emissions-intensive electric grids in some geographies also led to a 10% increase in Scope 2 emissions.

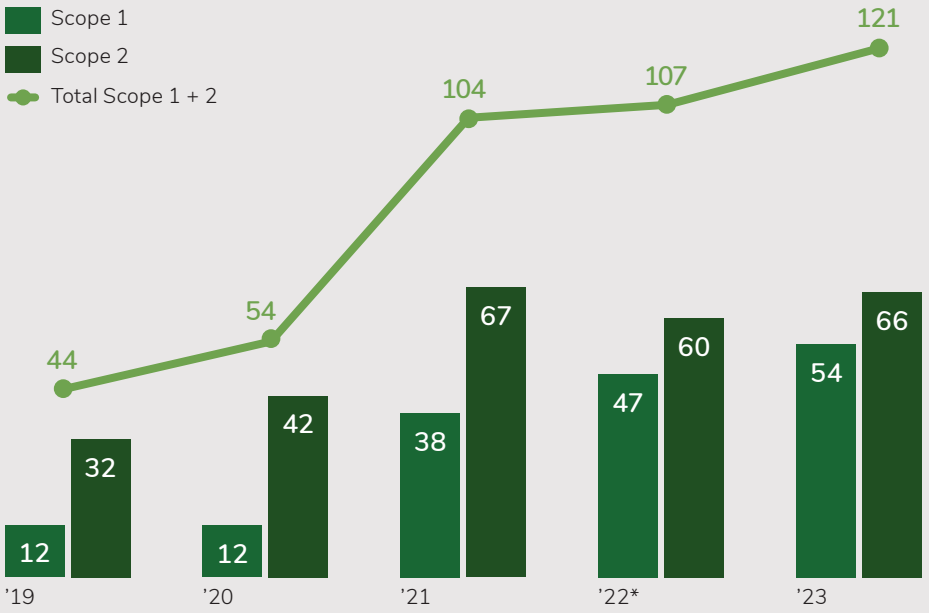
A breakdown of these results can be seen in table to the right, and an analysis of our Scope 1 and 2 emissions over time can be seen in the figure to the right. As shown in Table 2, our Scope 1 emissions increased largely due to increased office space, and our Scope 2 emissions went up due to added square footage, an unfortunate increase in grid carbon emissions intensity through some regions of the U.S. over the past year, and growing headcount. When normalized by the increase in our full-time employee headcount, our combined Scope 1 and 2 emissions intensities increased 3.8%.

SCOPE 1 & 2 EMISSIONS
2022-2023 · Metric Tons CO_2e

Emissions Scope	2023	2022	% Change	Change Driver
Scope 1	54	47	+16%	Increased square footage
Scope 2	66	60*	+10%	Increased headcount, increased square footage
Total	**121**	**107***	**+12%**	
Emissions Intensity per Year-End FTEs	1.34	1.29	+3.8%	

*Restated

SCOPE 1 & 2 EMISSIONS
Metric Tons CO_2e



*Restated

PARTIAL SCOPE 3 EMISSIONS

We also estimated our complete Scope 3 emissions for all applicable categories using a spend-based analysis.

There are 15 categories of Scope 3 emissions, but several do not apply to EIP such as upstream transportation and distribution, leased assets, and others. Therefore, we define our Partial Scope 3 emissions as all applicable Scope 3 categories except financed emissions (Category 15), which we report separately. The full breakdown of these emissions and a year-over-year comparison can be seen in the table at right. The share of each category is also detailed in the lower figure at right.

Similar to our Scope 1 and 2 emissions, we have restated our 2022 Partial Scope 3 emissions in an effort to increase the accuracy of the assessment and better track our growth and create a well-informed decarbonization plan. Restated 2022 Partial Scope 3 emissions declined to 1,433 tCO_2e from 2,190 tCO_2e. The restatement was caused by more careful classification of our 2022 corporate outlays into more accurate categories for GHG measurement purposes.[28]

In 2023, using our restated results, we saw our Partial Scope 3 emissions grow 34% to 1,927 tCO_2e. This increase was due to our increased global presence and in-person activities, which led to growth in our Partial Scope 3 emissions, most notably in travel, services, and activities and events.

We did see reduction in some categories such as waste which can be attributed to measures that EIP has taken to minimize the amount of plastic and packaging in our firm and an emphasis on recycling and composting whenever possible.[29]

PARTIAL SCOPE 3 EMISSIONS

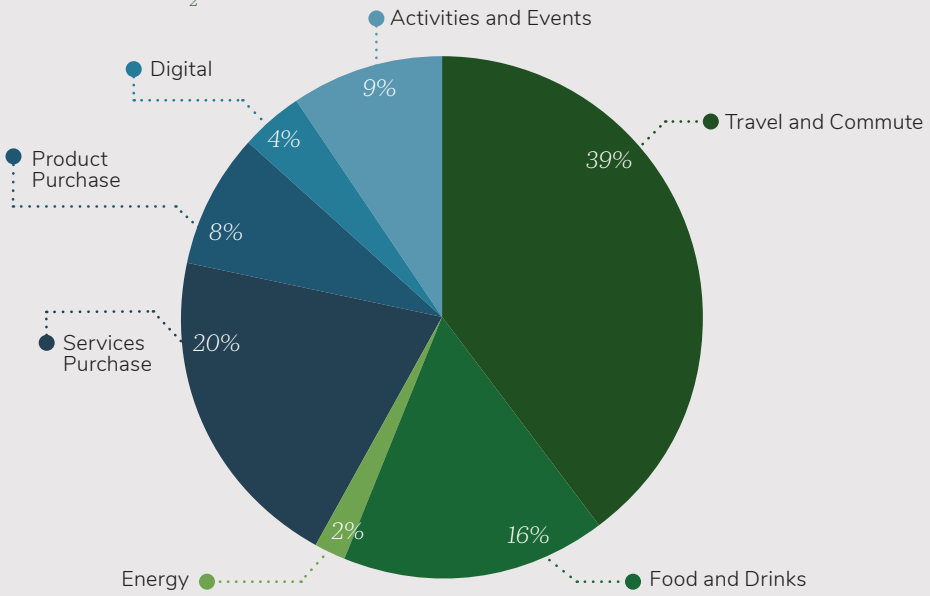
2022-2023 · Metric Tons CO_2e

Category	2023 Emissions (tCO_2e)	% Change from 2022
Travel and Commute	711	70%
Food and Drinks	318	10%
Energy*	36	12%
Services Purchase	388	22%
Product Purchase	148	2%
Digital	74	71%
Activities and Events	196	77%
Assets	46	-27%
Freight	3	-12%
Waste	7	-22%
Total	**1,927**	**34%**

*Restated based on recategorization of 2022 outlays. See text for further detail.

PARTIAL SCOPE 3 EMISSIONS BY CATEGORY

Metric Tons CO_2e



TOTAL INTERNAL EMISSIONS & INTENSITY TRENDS

Internal emissions allow us to analyze trends in relevant areas where we have more control, such as procurement, travel, and event planning.

At EIP, we define internal emissions as the sum of our Scope 1, 2, and partial Scope 3 footprint, excluding financed emissions. With increased headcount, office space, and a growing global presence, we saw a 23% increase in internal emission intensity from 2022 to 2023 on a per-FTE basis.

As noted in the above section, we saw a notable increase in our Travel & Commute emissions and our Activities & Events emissions compared to 2022. This increase is largely because EIP has expanded to additional geographies—including events and programming in new markets—and has adopted a more distributed workforce. In addition to having a new presence in the APAC region, EIP now has employees in more cities throughout the United States, resulting in more travel to our main offices.

The table below shows the intensity trend over this two-year period. Looking at the increases in individual emissions Scopes, we can see that the incremental increase in emission intensity is driven most notably by increases in our partial Scope 3 emissions, rather than those related to energy use from our offices.

INTERNAL EMISSION INTENSITY
2022-2023

Year	Scope 1 (tCO_2e)	Scope 2 (tCO_2e)	Partial Scope 3 (tCO_2e)	Total Internal Emissions (tCO_2e)	Emission Intensity (tCO_2e/FTE)
2022[30]	47	60	1,433	1,541	18.57
2023	54	66	1,927	2,048	22.76

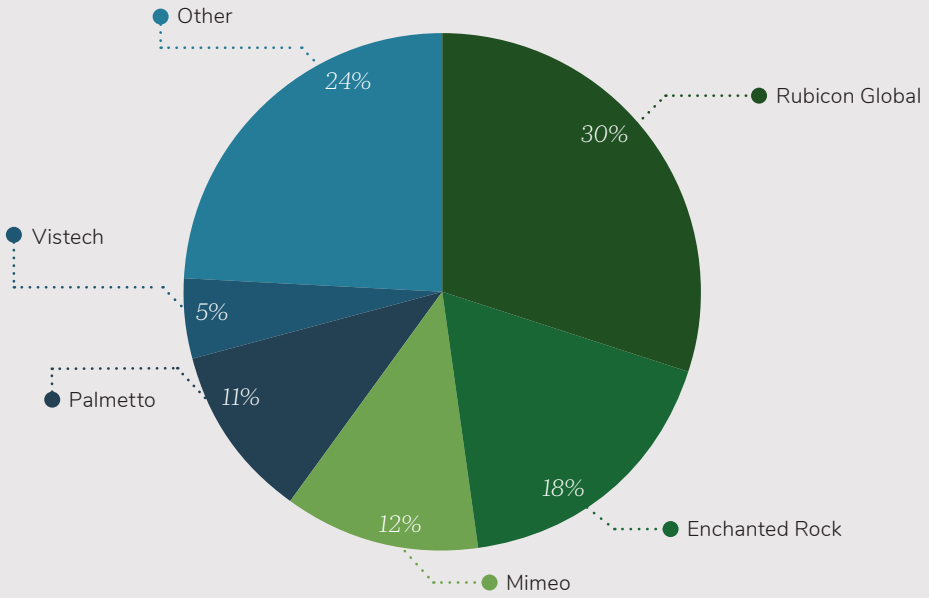
FINANCED EMISSIONS

Understanding the environmental impacts of our investments is incredibly important.

Although EIP as an organization has relatively low internal emissions, we realize that the companies we fund are often engaged in emissions-intensive activities such as manufacturing. While we invest in companies that advance progress toward a net-zero economy and the avoided emissions enabled by our investments significantly outweigh the emissions generated by our portfolio, it is important to recognize that greenhouse gases emitted today will continue to have an adverse impact on the environment for years to come. By measuring these financed emissions, we are better able to engage with our portfolio companies on emissions reduction planning.

This year, we enhanced the accuracy of our financed emissions assessment by using Metric ESG to estimate Scope 1 and Scope 2 emissions for portfolio companies. In alignment with the GHG Protocol, their calculator uses company-reported data on energy and fuel consumption, location, hybrid workforce, and company size to generate an emissions assessment for each portfolio company. We also used Greenly to estimate Scope 3 emissions from portfolio companies using, in most cases, a spend-based analysis. In some cases where financial data was not available, revenue, headcount, and location proxies were used to enable Scope 3 estimates. This change in methodology improves upon last year's assessment in which spend-based analyses were used in some cases, but most estimates were enabled through proxy data.

BREAKDOWN OF EIP FINANCED EMISSIONS



In 2023, our financed emissions totaled 295,000 tCO_2e, a 110% increase from 2022.[31] This increase is principally driven by the 12 new investments we made through the reporting year and the enhanced methodology used for the analysis. A notable addition to our portfolio this year is Rubicon Global—a software platform providing full-service waste management, recycling, and smart city technology solutions. While Rubicon has significant Scope 3 emissions which contribute to increasing our own financed emissions, the company's product and service also contribute to significantly increasing the amount of waste that is diverted from landfills and instead recycled. There is little change in the other top contributors to our financed emissions compared to last year.

We utilize the equity share approach, as outlined in the Principles for Carbon Accounting Financials (PCAF) guidance on financed emissions.[32] That is, we measure and report our ownership-allocated share of portfolio companies' Scope 1, 2, and 3 emissions. Per the guidance, a detailed table with absolute emissions and allocation factors can be found in the technical appendix to this report.

GOING THE EXTRA MILE: PORTFOLIO DECARBONIZATION

Though the financed emissions from our investments come from companies that exhibit high potential to decarbonize the Energy sector, we also recognize the importance of minimizing new emissions from operations.

A highlight of EIP's portfolio is that 10% of our companies have a decarbonization strategy in place, 9% have a short-term emissions reduction target, and 8% have a long-term net-zero goal. In order to get there, our portfolio is prioritizing areas of decrease, rather than reliance on offsets, which are only purchased by 1% of our portfolio.

TOTAL ANNUAL GREENHOUSE GAS EMISSIONS

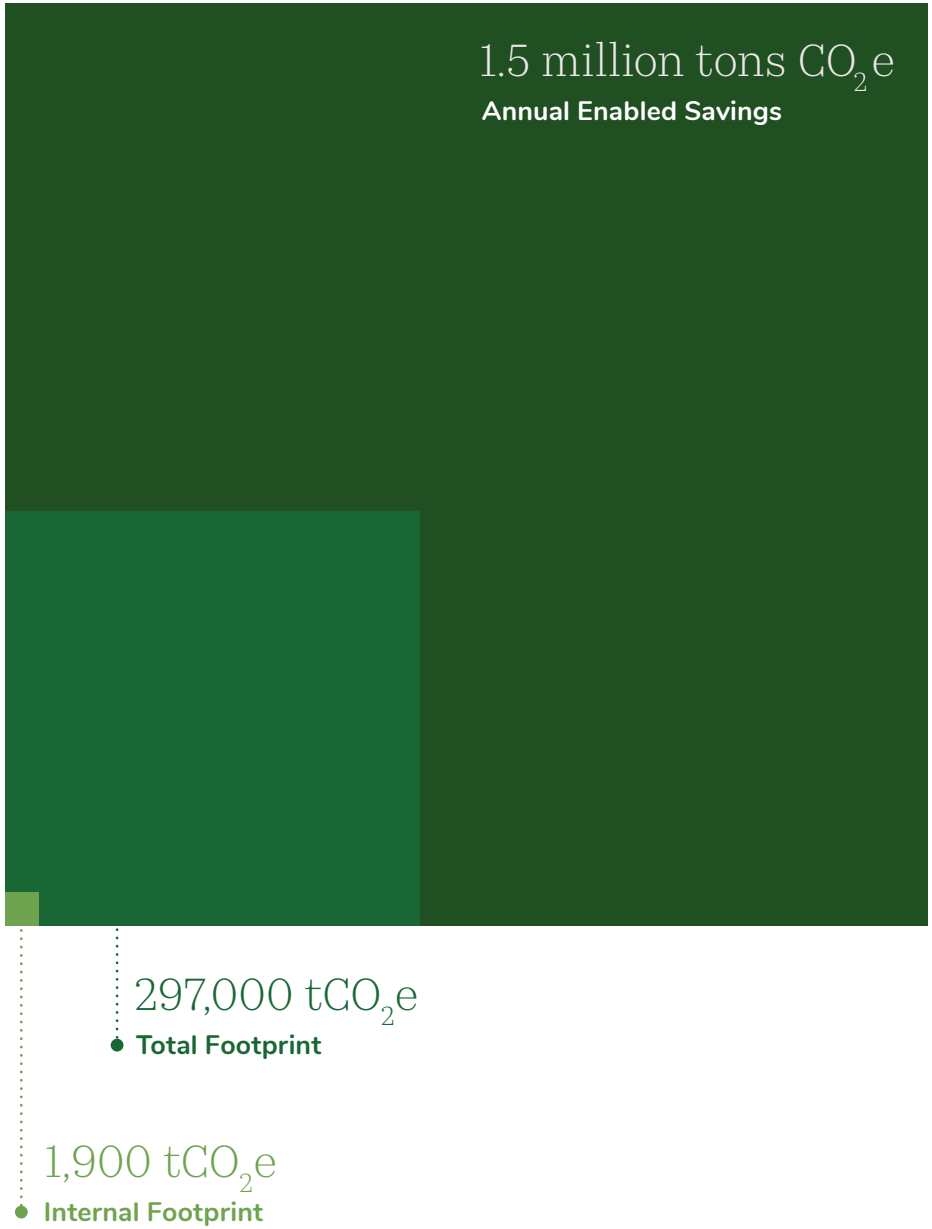
Metric Tons CO_2e

Scope	Emissions (tCO_2e)[33]
Scope 1	54
Scope 2	66
Partial Scope 3	1,930
Total Internal Emissions	2,050
Financed Emissions	295,000
Total Footprint	**297,000**

OUR NET ENABLED IMPACT

At EIP, we feel it is incredibly important that the carbons savings we enable through our investments far outweigh our own emissions.

As a platform focused on climate solutions, our mission is to invest in companies that have an instrumental role in decarbonizing the Energy industry from end to end. This year, our annual enabled savings after ownership attribution of 1.5 million tCO_2e exceed our total footprint—including financed emissions—by more than 5x. Moreover, this is the most conservative approach to understanding our net enabled impact; our enabled savings to footprint multiple would be much larger using our lifetime, projected, or unweighted savings figures. The technologies our companies have deployed during our ownership period will save 12 million tons of CO_2e over their lifetimes, and our companies planning to enter the commercial market in coming years are projected to save another 10.2 million tCO_2e in their first five years post-commercialization. In sum, this amounts to enabled savings that are almost 80x our annual footprint.



FOUNDATIONAL COMPANY IMPACTS

Our investments address decarbonization opportunities across the entire energy value chain, and the carbon impacts from these products and services can often be complex and difficult to quantify.

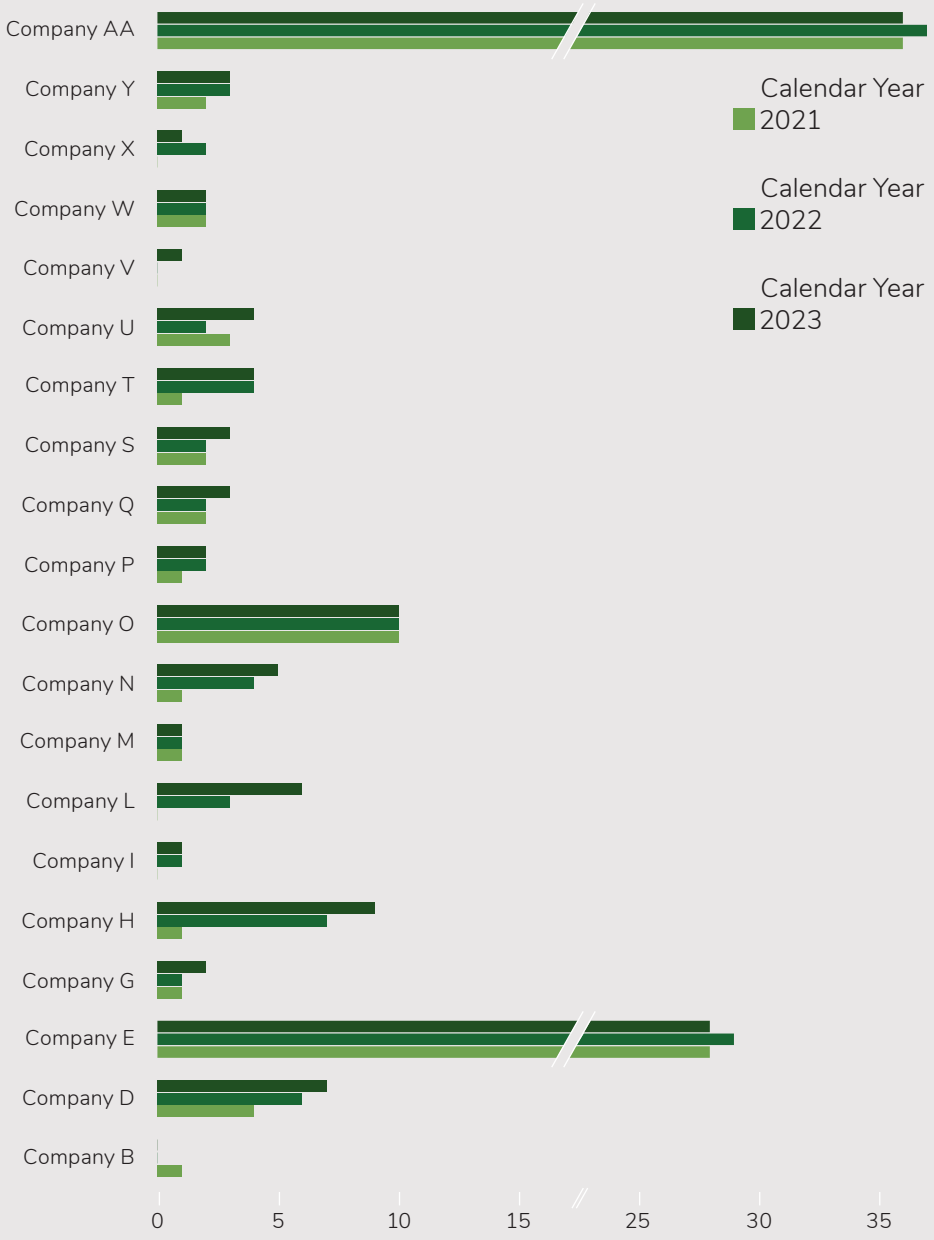
For this reason, we also analyze how our portfolio companies are growing as a way of measuring their impact on the landscape over time. These metrics, or Customer Impact KPIs, allow us to benchmark each company's progress against its own past and projections and compare each company to others inside and outside our portfolio. They are particularly important indicators of impact for our foundational companies, where carbon tonnage savings cannot be numerically attributed. Results in this section are anonymized and reported on a year-end basis for 2023.

CUSTOMER EXPANSION WITHIN EIP'S STRATEGIC COALITION

A core tenet of our theory of change is to maximize the impact of the products and services in which we invest by accelerating their commercialization through our coalition of strategic investors. This coalition—consisting of utilities, built environment companies, and industrial companies across the globe—allows portfolio companies to scale rapidly across new markets.

In 2023, our Foundational and Other Impact investment categories had 128 customers within our strategic coalition, which is a 33% increase from 2021 and an 8% year-on-year increase between 2022 and 2023.

CUSTOMER IMPACTS WITHIN EIP'S STRATEGIC COALITION



CUSTOMER EXPANSION WITHIN THE ENERGY INDUSTRY

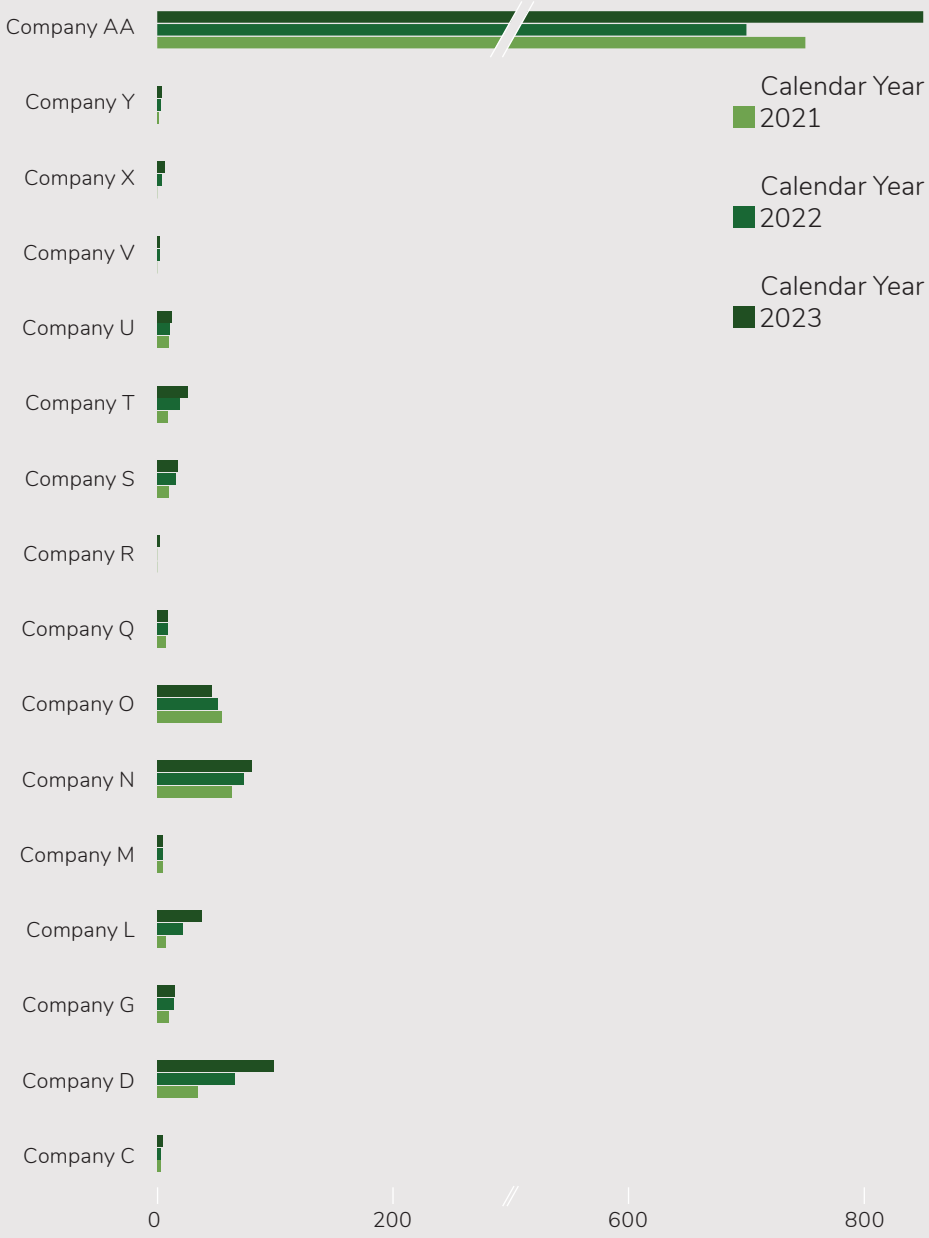
Many of our portfolio companies have customers that are within the Energy industry, but who are not within EIP's strategic coalition.

Measuring our portfolio's penetration across the broader Energy landscape allows us to assess the industry-wide impacts enabled by our investments.

In 2023, our Foundational and Other Impact investment categories saw steady growth in Energy industry customers. These categories of portfolio companies reported 6% growth in Energy industry customers since 2021 and 5% growth between 2022 and 2023.

One unique case in our portfolio is TESCO—a company that provides meter testing equipment and accessories for utility customers—which has nearly 100% market share among North American utilities. Since there is little room for TESCO to continue growing within the Energy sector, the consistent customer count masks the growth that our broader portfolio has exhibited in the Energy industry. Excluding this company whose exposure to the utility market has remained steady, we see 26% growth in Energy industry customers since 2021 and 22% growth between 2022 and 2023.

CUSTOMER IMPACTS WITHIN THE ENERGY INDUSTRY

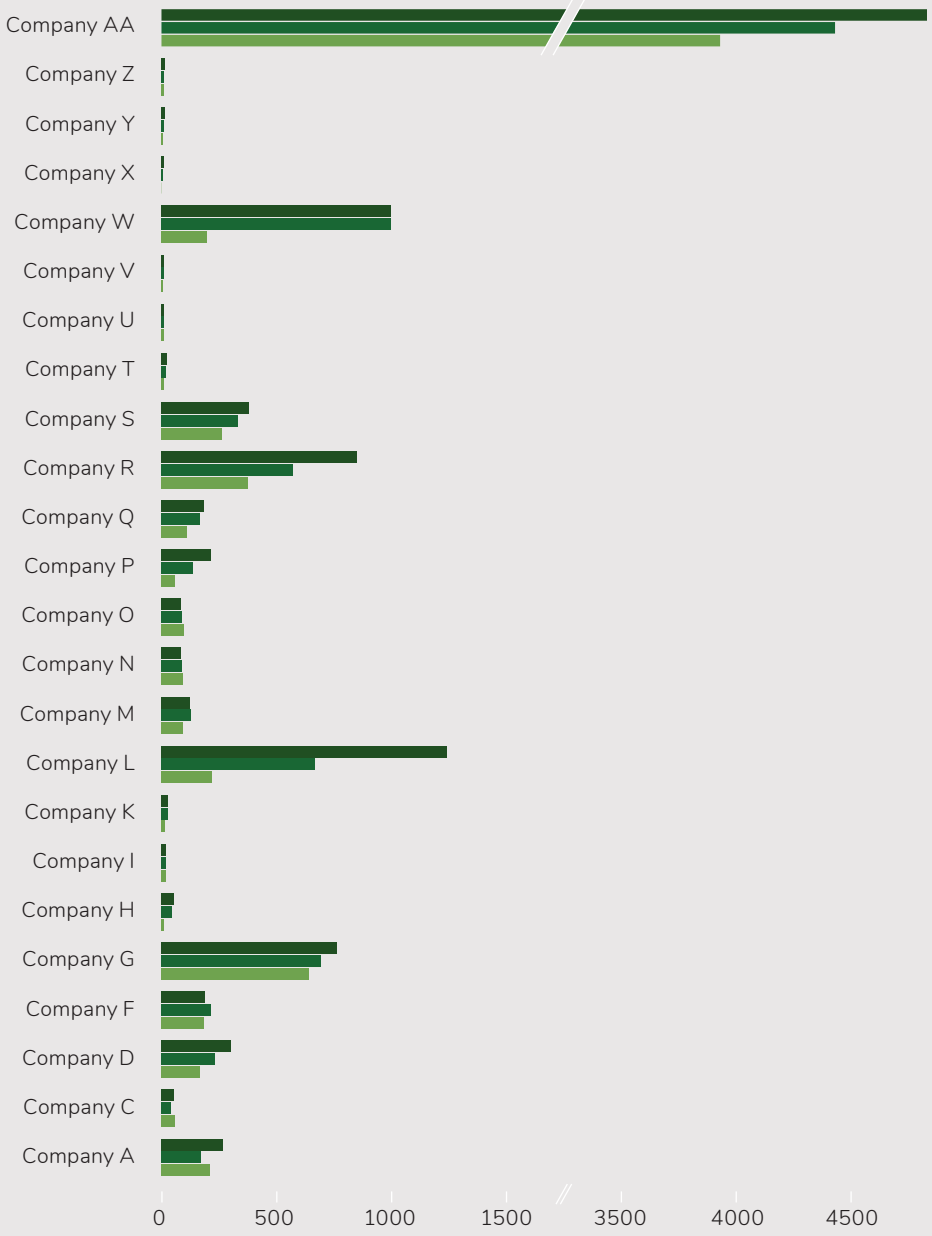


TOTAL CUSTOMER EXPANSION

Total customer expansion illustrates the growing reach of our portfolio companies, especially those who sell directly to retail consumers.

In 2023, our Foundational and Other Impact investment categories again saw steady and impressive growth in this total customer expansion. In these categories, we saw 23% year-on-year growth between 2021 and 2022 and 39% growth since 2021. Similar to our Energy industry customers KPI, when we remove TESCO, a company with nearly 100% market share among North American utilities, this trend becomes more pronounced with 35% year-on-year growth between 2021 and 2022 and 18% growth between 2022 and 2023, representing 59% overall growth since 2021.

TOTAL CUSTOMER IMPACT



ELECTRIFYING HOMES, ONE EV CHARGER & BATTERY STORAGE SYSTEM AT A TIME

Transportation represents over a quarter of total greenhouse gas emissions in both the U.S. and Europe.[34] As adoption of electric vehicles (EVs) increases, and with over 80% of EV charging taking place at home, customer demand for efficient, easy-to-install home charging solutions has surged.[35] Since 2016, myenergi has successfully entered the home energy management space with its smart EV charging and home energy storage systems.

Riding the wave of increased customer demand for broader electrification solutions and energy independence, myenergi has established itself as a strong customer brand across Europe. myenergi's core EV charging product is highly differentiated by its ease of installation, home energy management capabilities, and integration with solar and storage. With its modular 5 kWh storage product and sophisticated energy management functionalities, myenergi enables the optimization of solar photovoltaic (PV) self-generation, EV charging, and overall home energy consumption.

Through a vertically integrated business model – combining in-house design with engineering, manufacturing, marketing, and local installer partnerships – myenergi has seen strong momentum and is well positioned to capture a growing share of the home energy management market across Europe. To help scale further in the European market, myenergi will be exploring channel partnership opportunities with EIP's utility partner coalition. Partnering with myenergi would support our coalition's home electrification offerings to help residential customers decarbonize their homes. myenergi is gaining access to hundreds of thousands of residential customers through EIP's utility partners in Europe.

Since EIP's investment in myenergi in 2023, we have worked with founder, Lee Sutton, to create a "myenergi" ESG committee, chaired by EIP Managing Partner and myenergi Board Member, Nazo Moosa. The mandate of the committee includes overseeing and advising the board on myenergi's strategies, goals and commitments related to sustainability and ESG. myenergi has developed a framework of short and long-term goals and specific actions directly linked to the UNs SDGs, to ensure that the company continues to be the leading Home Energy Management player in the UK and Ireland. myenergi's sustainability objectives include decarbonizing in accordance with Science-Based Targets methodology for a 1.5°C trajectory, analysis of energy consumption data to identify inefficiencies and reduce emissions, developing a circularity model for its products and transforming into a certified B Corp.

In addition to the directly measurable environmental impacts of myenergi's residential electrification products, the company is an important employer in Grimsby—one of the lowest-income regions in the UK—and thereby continues to provide meaningful economic opportunities for the region.

500,000+ EV chargers installed

125% growth over the past three years

Top 30 fastest growing UK companies

Jordan Brompton (left) and Lee Sutton, myenergi Co-founders

zappi EV charger

myenergi

"We are proud to back Lee and Jordan who have built a truly unique company in the climate sector that is both growing rapidly and is profitable. Zappi is already one of the leading charger brands in the UK and Ireland and with the success of its libbi energy storage product, we believe myenergi is in pole position to become the leading Home Energy Management provider."

Nazo Moosa is Managing Partner, Europe at Energy Impact Partners and Board member and ESG Committee Chair at myenergi

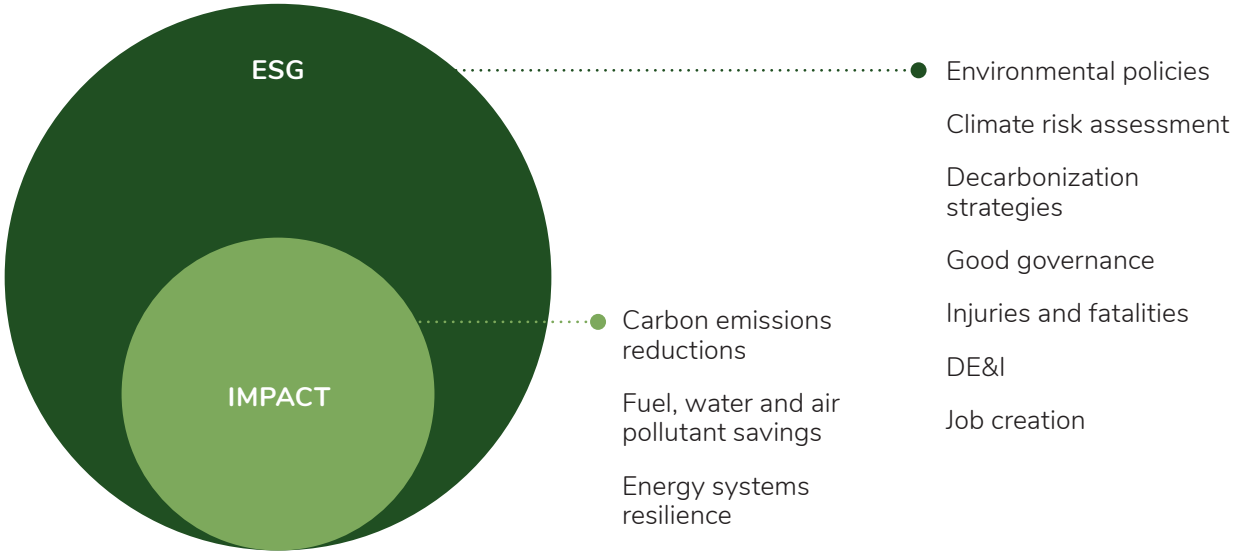
ESG

Section Four

EIP'S HOLISTIC APPROACH

ESG and Impact are both integral to EIP's work. The previous chapter reported the impact of our portfolio on environmental factors such as carbon emission reductions, fuel savings, water conservation and reduction of air pollutants, among others.

In this section, we report ESG metrics from our portfolio companies. The KPIs we assess have continued to become more refined as our approach and assessment has expanded and also aligned with the ESG Data Convergence Initiative (EDCI).



Gathering and reporting data on both impact and ESG metrics allows us to grow a portfolio that not only has material positive impacts on the environment, but also ensures that these are being achieved by companies with good environmental, social and governance practices in place. Furthermore, a comprehensive ESG assessment enables us to identify those areas where the support of our team can be key to enhance a company's internal operations and positioning.

As a new addition of this year, and to align with industry trends, we have begun tracking the internal decarbonization journeys of our portfolio companies, paired with the comprehensive assessment of their Scope 1, 2 and 3 emissions which we started last year, providing us with a full perspective of an area we expect to grow in importance.

ESG WITHIN EIP

In addition to EIP's role in facilitating good impact and ESG practices within its portfolio companies, EIP also strives to lead by example by promoting and implementing the best environmental, social and governance practices internally.

Environmental practices
EIP is committed to reducing the adverse environmental impact directly related to business activities, as part of our broader target of achieving net zero emissions by 2050. To be on track to meet this goal, we have been measuring our carbon footprint since 2019 (See Section 3), and have successfully implemented the following initiatives:

Reduction of single-use plastics such as utensils and water bottles,

Inclusion of plant-based options for every meal or catering event,

Minimization of food waste through individual ordering and donations,

Composting of remaining food waste,

Donation of over 3,000 meals through Sharebite, our meal-ordering platform,

Prioritization of eco-friendly company-sponsored apparel and merchandise, and

Implementation of a laptop donation program.

Additionally, EIP continues to explore options to minimize travel and food-related footprints, given that these are have the largest impact mitigation potential. We also offer EIP employees the option to allocate their 401(k) funds to ESG-labeled funds.

Social and Governance practices
EIP seeks to promote a diverse workforce and inclusive work environment, as detailed further in the Diversity, Equity & Inclusion section in this section. EIP employees also participate in self-organized employee affinity groups on the themes of gender identity and cultural background among others.

Moreover, EIP employees are given the opportunity to share their knowledge and expertise internally through the "Lunch and Learn" forum, a space happening over lunch time that has hosted discussions on 401(k), personal finance, and climate regulation.

To ensure alignment with the governance practices recommended to our portfolio companies, EIP has implemented all relevant policies internally.

Lastly, EIP remains committed to helping expand the pool of future climate leaders to include people from all segments of society, as well as contribute to other philanthropic and thought leadership events with the community (universities, nonprofits, industry groups, etc.), as detailed in Section Six, Thought Leadership and Community Engagement.

ESG METRICS

In 2023, our portfolio grew and, with it, so did the quality and quantity of impact and ESG related KPIs. Better, updated, and more granular information not only allows for a better picture of how our portfolio is performing on ESG, but gives EIP an opportunity to elaborate more meaningful engagements and improvement plans.

2022		2023
30	Key Metrics	50
64	Reporting Companies	82
83%	Reporting Portfolio	92%

EIP's questionnaire gathers information across the following dimensions:

Environmental Metrics beyond CO_2e

- Environmental policies
- Sustainability risk management
- Energy consumption
- Decarbonization plans
- Water
- Waste
- Circular economy

Social Metrics

- Health and Safety management system
- Parental leave policy
- Job creation
- Injuries and fatalities

Governance Metrics

- Governance policies (human rights, anti-bribery, anti-corruption, staff grievance, whistleblowing, etc.)
- Responsible supply chains
- Climate change risk assessments

DE&I Metrics

- Pay gap
- Employee resource groups
- Women and URM diversity across full-time employees, management and board level

*Reflects only a partial list of KPIs

ESG DATA CONVERGENCE INITIATIVE (EDCI)

This year, we expanded our ESG questionnaire to align with the ESG Data Convergence Initiative.

Notably, we have included questions about the status of decarbonization of our portfolio companies and refined the way in which we track diversity KPIs across our portfolio. Our enhanced database now enables us to better understand our portfolio and provide more informed advice and engagement moving forward.

ESG Data Convergence Initiative

"Measuring sustainability of our greenhouse operations at Hippo Harvest is complex and requires a more nuanced and holistic approach than simply looking at CO_2. Energy Impact Partners worked with us to create a methodology for tracking our impact that includes GHG emissions across all scopes along with broader measures of impact (e.g. water, fertilizer, pesticides, food waste). EIP provided the tools and know-how to make this process easy and to allow us to meet reporting goals for our business year over year."

EITAN MARDER-EPPSTEIN, CEO & Founder,
Hippo Harvest

This endorsement is made by an employee of an EIP portfolio company. Employees of EIP portfolio companies may be incentivized to give a favorable review of EIP given it provides, and may in the future provide, its portfolio companies with access to beneficial resources, business contacts and/or capital.

2023 ESG HIGHLIGHTS

82 **companies with data in the Metric ESG database** responded to our ESG annual survey.

Impact & Sustainability **met with** 17 **companies** to discuss ESG and impact topics.

Impact & Sustainability team **expanded its** library of support **to portfolio companies.** It now includes toolkits for Human Rights, Anti-Slavery, Anti-Corruption, Anti-Bribery and alignment with OECD and UN Global Compact guidelines, and DE&I.

Refinement of our impact and ESG assessment has continued with the **incorporation of** SFDR Article 9-aligned diligence and engagement.

Metric ESG is a data management platform for venture and growth capital. The software streamlines ESG and impact data collection, analyzes performance against peer benchmarks, and enables compliance. Metric ESG provides one source of truth for private companies to manage their ESG and impact dataset and for investors to access data for third party reporting.[36]

Metric

ENVIRONMENTAL METRICS

In addition to EIP's focus on carbon savings and footprints, the Impact & Sustainability team recognizes the multifaceted nature of climate change and collects data on various environmental aspects of portfolio companies beyond carbon.

EIP assesses and measures the environmental practices and impacts of our portfolio companies, both during due diligence and on an ongoing basis. We also encourage companies to embed sustainable principles and practices early in their operations.

To provide insight into the environmental efforts of our portfolio companies, below are some of the specific actions our portfolio companies are undertaking taking:

Implementation of management oversight on sustainability and environmental practices, including risk management, compliance and decarbonization strategies.

Establishment of dedicated teams for measuring and reporting environmental impacts on water, air, and biodiversity among others.

Adoption of environmentally related ISO Certifications, such as ISO14001.

Participation in multilateral collaborations for batteries recycling.

Implementation of comprehensive recycling programs covering a range of materials, from standard items like paper, plastic and glass, to more complex ones such as batteries, electronics, oil and coolants.

Other initiatives such as food composting.

ENVIRONMENTAL METRICS · 2023 EIP REPORTING PORTFOLIO

SOCIAL & GOVERNANCE METRICS

EIP places equal importance to environmental and social and governance KPIs, recognizing that a successful company should prioritize improvement across all these areas.

Our teams conduct diligence on the governance practices of each portfolio company to ensure the firm invests in competent and cohesive management teams with strong leadership. Post-investment, our goal is to work with these leaders to embed high ESG standards into their operations and culture.

We assess a comprehensive list of items related to good social and governance practices including but not limited to: health and safety policies and management systems, job creation, certifications, employee resource groups and satisfaction surveys, and the presence of policies around human rights, parental leave, cybersecurity, anti-bribery, and anti-slavery, among others.

The chart on the following page presents the reporting aggregated responses on several key social and governance metrics for the reporting portfolio in 2023. They emphasize both the implementation of policies across the portfolio, as well as what strategies are being pursuing beyond compliance.

IMPACT HIGHLIGHTS IN 2023

3 of our portfolio companies are B Corp certified: ev.energy, Greenly and Project Canary.[37] Their B Impact scores are 112, 95.3 and 107.6, respectively.

Certified B Corporation

559 jobs created by our portfolio companies in 2023[38]

20,454 FTEs across EIP's portfolio companies (EOY2023)

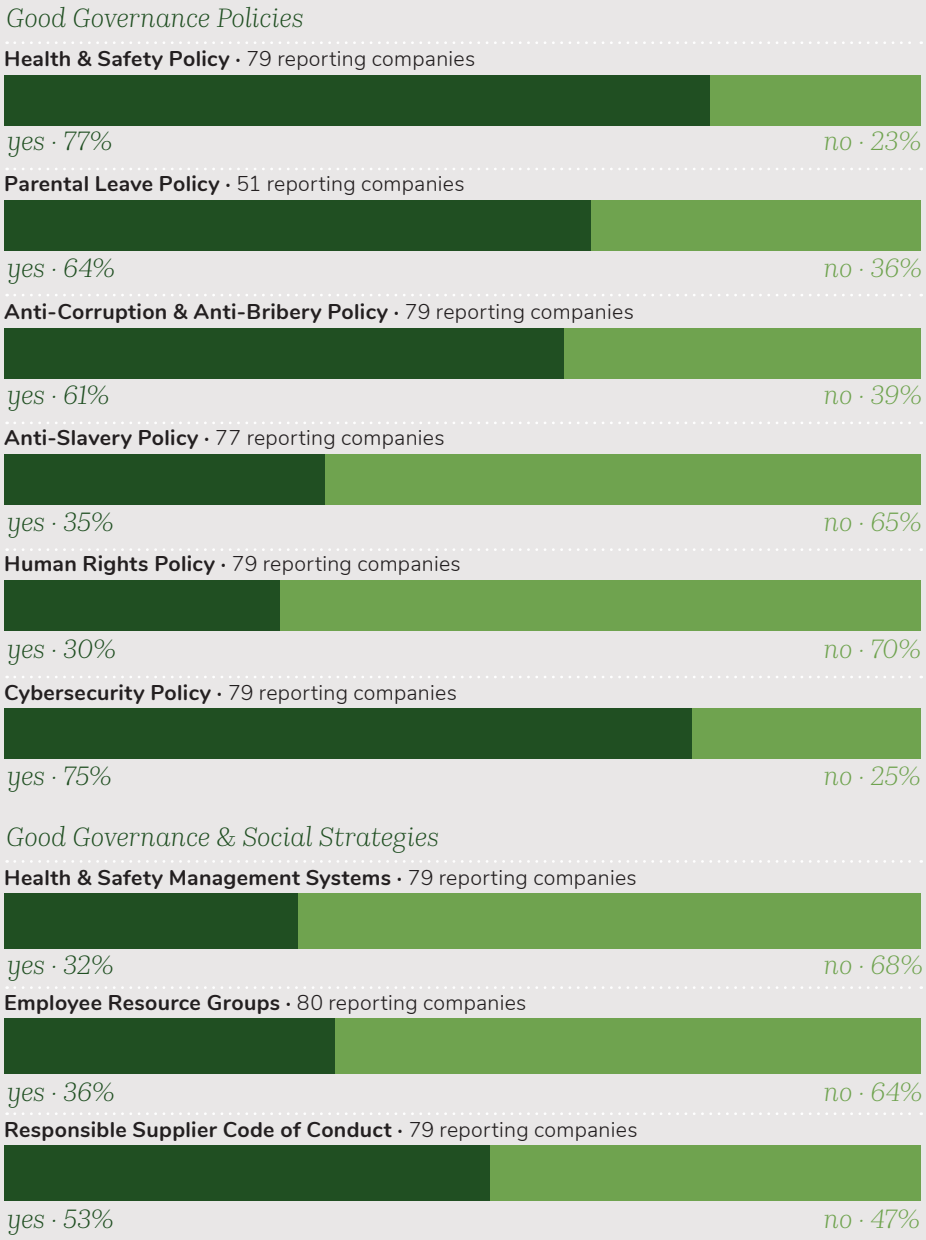
To further improve the social and governance practices in firms with lower KPIs, in the remainder of 2024 and onward, we will be sharing toolkits and support our companies in their journeys, recognizing that as they grow, these become of outmost importance.

"ev.energy have been working alongside EIP for three years now on our ESG reporting, we've found them to be an invaluable resource when seeking advice on our approach, calculations and future goals. We look forward to continuing to collaborate with them on reducing our emissions and increasing our impact."

SANDY NEILL, Head of Customer Support, ev.energy

This endorsement is made by an employee of an EIP portfolio company. Employees of EIP portfolio companies may be incentivized to give a favorable review of EIP given it provides, and may in the future provide, its portfolio companies with access to beneficial resources, business contacts and/or capital.

SOCIAL & GOVERNANCE METRICS · 2023 EIP REPORTING PORTFOLIO



THE RESULTS OF IMPACTFUL COMPANIES WITH GOOD INTERNAL PRACTICES

In this year's Forbes list of America's Best Startup Employers, 3 of EIP's portfolio companies were featured in the Top 50: Electric Hydrogen (#3), Mill (#15) and Sibros (#17). Moxion Power and 6K also made it to the Top 500, with positions #282 and #331, respectively.

The rankings by Statista, which evaluated and ranked 3,000 privately held companies founded between 2014 and 2021, considered various factors such as company reputation, employee satisfaction, and growth. Specific indicators included in the assessment were employee engagement, corporate culture, retention rates, parental leave policies, diversity, equity, and workplace flexibility.

"Considerable research shows that business that prioritize employee happiness have workers who are more engaged and productive"[39]

DIVERSITY, EQUITY & INCLUSION

In 2023, we celebrate the increased diversity within EIP's employee base across all categories, and continue to hold DE&I as a priority and key part of our identity.

Climate change requires record-breaking amounts of investment allocated by diverse talent. As such, EIP is committed to advancing DE&I in the financing segment of the clean energy sector, through attracting new talent to the industry, investing in that talent, nourishing the ecosystem that increases DE&I, and sharing experiences with partners.

EIP is committed to developing and implementing programs and initiatives to promote DE&I in all areas of its employment and business strategy. As part of this commitment, some of the programs and plans the firm has developed include:

Ensuring a significant portion of all qualified candidates for open roles at EIP are from backgrounds or have characteristics that are typically underrepresented among applicants for roles in the venture capital and energy industries;

Supporting employee driven initiatives, such as affinity groups or learning sessions.

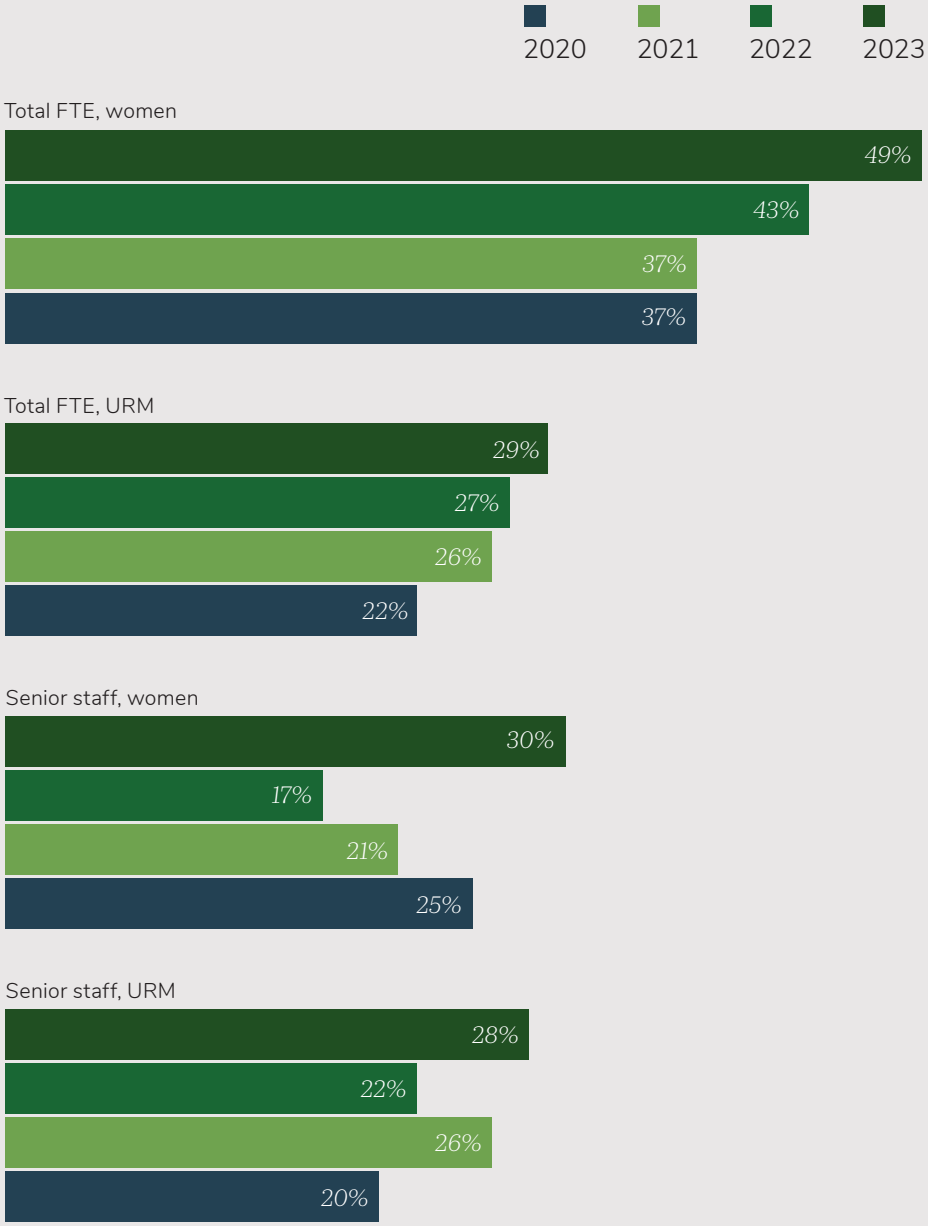
Setting up quarterly employee events to enhance our collaborative culture and encourage inclusive employee engagement;

Facilitating and mandating training on harassment and discrimination prevention and unconscious bias;

Providing optional additional diversity training for all managers and employees;

Conducting annual pay equity assessments completed through a compensation benchmarking exercise which matches skills, competencies, and experience to compensation.

DE&I AT EIP[40]



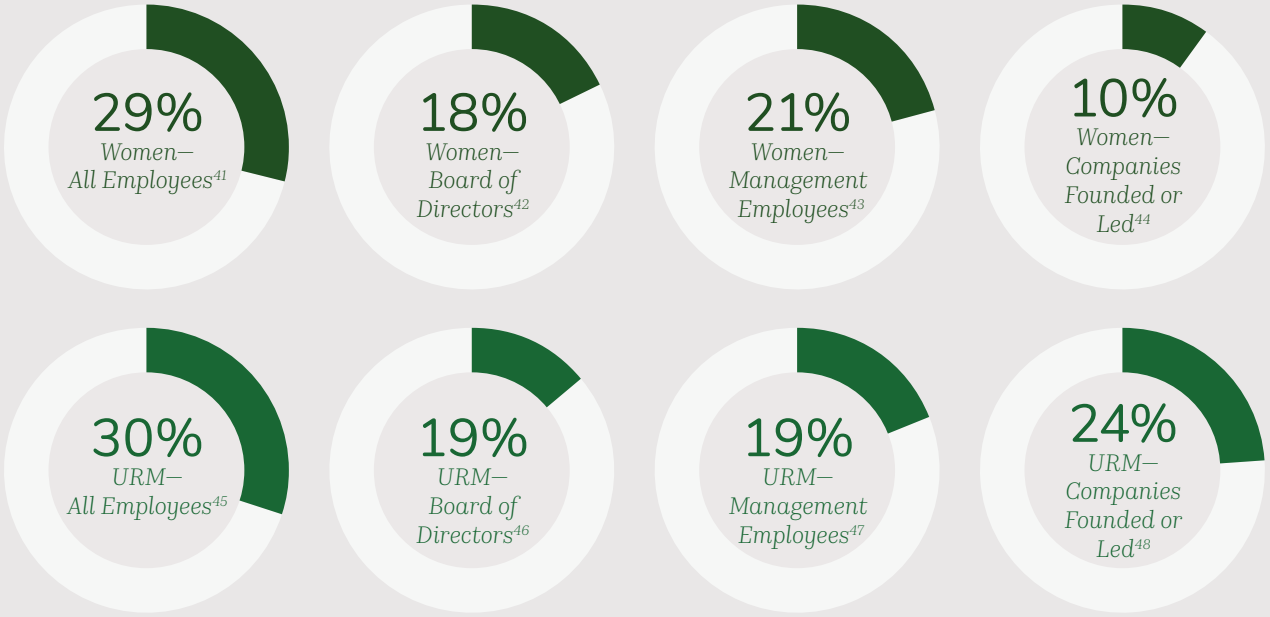
PORTFOLIO DIVERSITY

For the third consecutive year, EIP has collected DE&I metrics from portfolio companies across its platform.

In addition to the diversity data provided in the figures at right, 52% of reporting companies stated that they have a specific strategy to foster and promote DE&I in their workplaces. Further, 72% of reporting companies have adopted or plan to adopt a strategy to improve employee diversity, and 70% of reporting companies have parental policies in place. As far as pay gap is concerned, the average gender pay gap of our portfolio companies is 12%, the and minority to non-minority pay gap is 6%.

Finally, notable DE&I practices implemented by our portfolio companies, tailored to their unique contexts and geographies. These initiatives include tying executive bonuses to diversity-focused hiring practices; partnering with recruitment firms for diversity hiring; forming external partnerships with organizations, universities, and community outreach efforts; accommodating language diversity and supporting individuals from diverse cultural backgrounds; or establishing affinity groups, employee trainings, and workplace.

MAJOR GENDER & RACIAL METRICS FOR EIP REPORTING PORTFOLIO



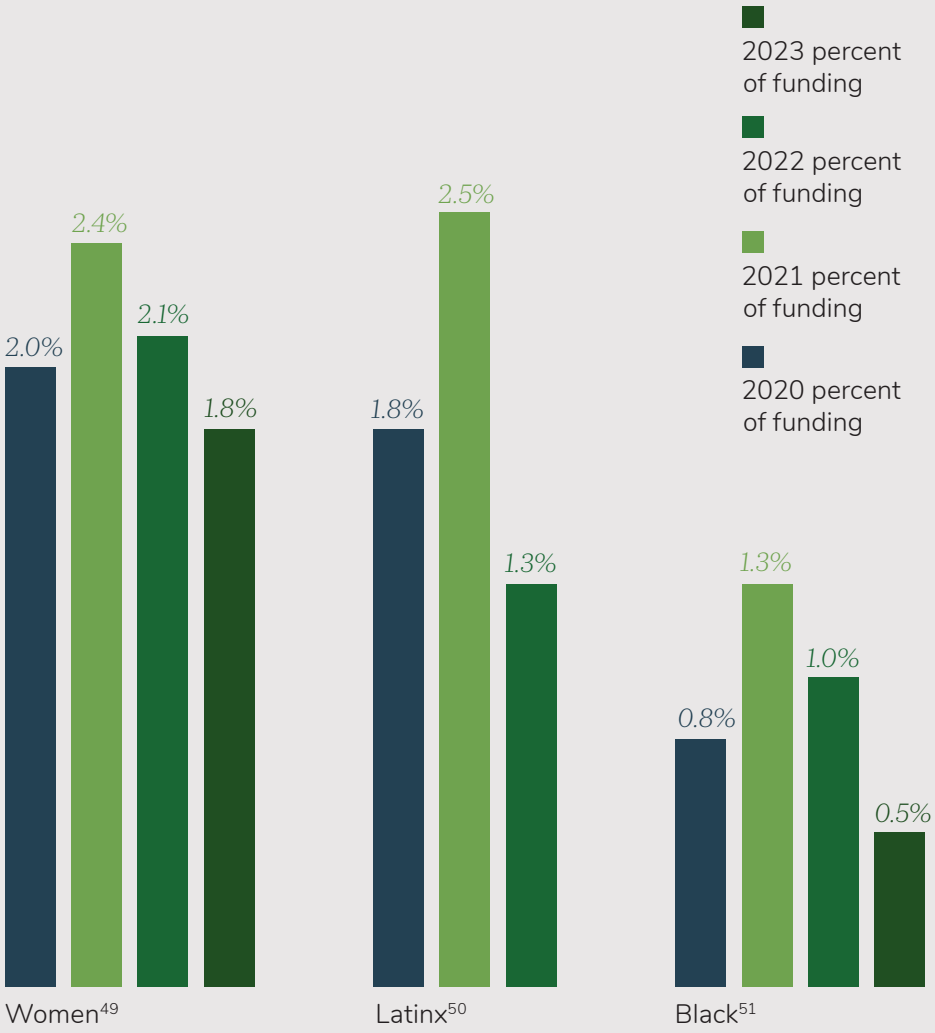
HIGHLIGHTS OF DE&I AT EIP AND BEYOND

A DE&I Toolkit has been made available to every company in EIP's portfolio

EIP has developed a DE&I toolkit as a resource for our portfolio companies to offer several case studies, templates, and links to other organizations that may be valuable for their firm's DE&I journey. Regardless of the company's stage of growth or the status of DE&I within each of them, this toolkit provides actionable advice, resources, and best practices.

While much of the content is US-centric, we intend to expand it to include the nuances of every geography and region. We also continue to engage with our portfolio to ensure we are capturing what success looks like for every scenario, whether it be related to talent development, improving industry-wide gender trends, or assessing different lenses of diversity (veteran status, age, gender, etc.)

INDUSTRY FUNDING TO DIVERSE FOUNDERS CONTINUED TO DECREASE IN 2023



CELEBRATING BLACK FOUNDERS IN CLIMATE & ENERGY

By ANTHONY ONI, Managing Partner, Elevate Fund

At Energy Impact Partners, we unequivocally believe that without representation within our industry, there will not be a complete solution for the energy transition.

Yet currently less than 1% of Black climate tech founders receive VC funding[52] and similarly, 1% of Black businesses receive corporate supply chain spend in the Energy, Utilities & Waste industry.[53] That's why, the Elevate Future Fund, a $111m fund focused on providing capital and galvanizing support for underrepresented entrepreneurs in the climate and energy industry, released a market map of Black founders in the industry. The goal of this map is to increase the visibility of these businesses for engagement from our network and thereby increase their contribution to the clean energy transition.

We are proud to have invested in some of these inspiring Black innovators such as Kameale C. Terry and Evette Ellis at ChargerHelp! and Garry Cooper at Rheaply, who are developing novel solutions in climate while keeping diversity at the forefront of their organizations. Our work has given us the privilege of meeting with several other inspiring Black founders targeting big problems in transport decarbonization, CCUS, energy storage, agriculture, and more.

We have included this map in our report as a tool to drive awareness and encourage our ecosystem to lean into to elevate these businesses beyond just capital investment. Recognizing that is far from a comprehensive list, we invite our network, friends, VCs, accelerators, and others to highlight who's missing by reaching out to us. The Elevate team will continue to serve as a resource to the full spectrum of diverse businesses in the industry.

BLACK FOUNDERS IN CLIMATE & ENERGY*

Mobility · 19

BlueTanks
ChargerHelp!
ClearFlame Engine Technologies
DAI Tech Corp
dollaride
DUNAMIS Clean Energy Partners
ElectricFish
JÉGO
KIGT
KUHMUTE
opconnect
Pirl
pluck.eco
Plug Zen
PYKA
SPARKCHARGE
Stak
Treehouse
Vehya

Renewables, Storage & Battery Tech · 9

ALTECT
florrent
FOURTH POWER
JTEC Energy
LUMENA ENERGY
SHYFT Power Solutions
SOLARFI
WeSolar CSP

Ag, Waste, Biomass & Water · 9

ecoGO
ECOTONE Renewables
GOODR
HYDRONOMY
KIVERDI
OKOVATE Sustainable Energy
Re-Nuble
WEXUS

ESG Data, Measurement & Reporting · 7

COI Energy
Gro Intelligence
JustAir
Peoples Energy Analytics
PLANET→FWD
UTILITYAPI
UNCHARTED

Materials & Circularity · 6

Carbice
frakktal
generation conscious
Rheaply
tynt
vericool Packaging for a Greener World

EPC, Project Development & Other Services · 30

3T-Design&Development
BREVIAN ENERGY
BTS
burchenergy
C·E·R·M
Copacity
DAVID MASON & ASSOCIATES
DESOTO
DuBois Consultants
EnerWealth Solutions Shared Solar + Storage
ENSIGHT
Full Service Solar
GEMINI ENERGY SOLUTIONS
high road
MD ENERGY ADVISORS
midflare
MILHOUSE
NOVI ENERGY
optimal Tech
PIERCE CONSULTING
RIFE International
Ryter Cooperative Industries
SEEL
SOLAR STEWARDS
SOLOGISTICS
SOLVED ENGINEERING INC.
UES Utility Energy Services
VOLT Energy Utility
walker-miller Energy Services, LLC
WeSOLAR

Asset Management & Optimization · 4

AIZA
encord
fleet robotics
VARUNA

Carbon Capture, Utilization & Storage · 4

AIRBUILD
MAPLE MATERIALS
mars materials
twelve

Building Electrification · 4

Akeptus
BLOC POWER
enFUSION energy · fusion · power

Mining, Minerals & Chemicals · 3

Eden
MicroByre
OLOKUN Minerals

Hydrogen · 1

DASH Clean Energy

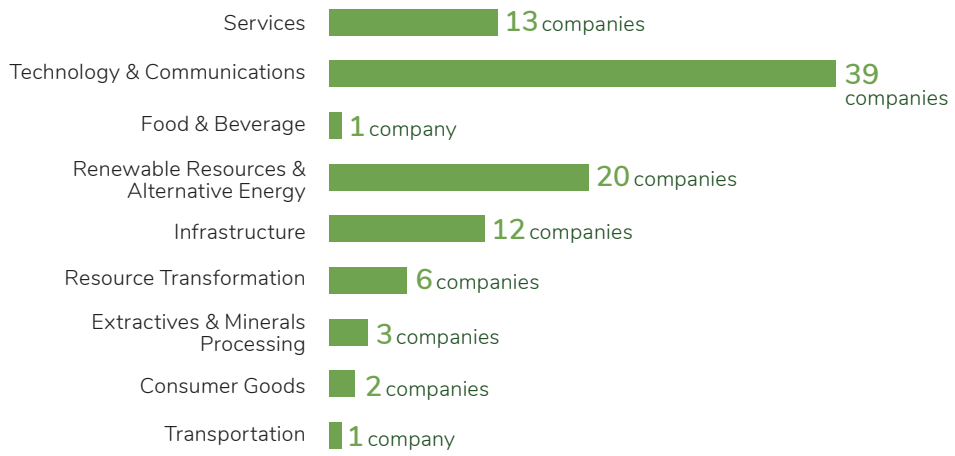
HR · 1

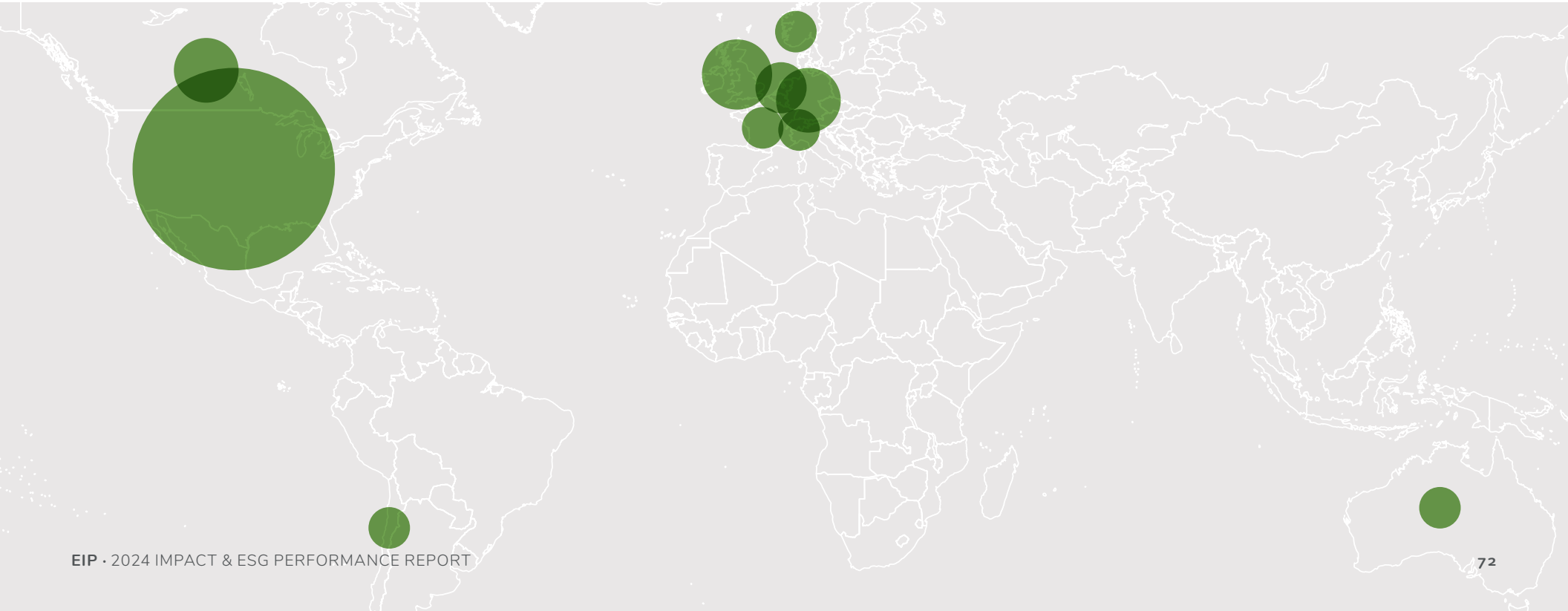
*As identified by EIP's Elevate Future Fund team as of March 2024

A PORTFOLIO ACROSS GEOGRAPHIES & INDUSTRIES

EIP's portfolio is mainly focused on early and venture-stage companies across North America and Europe, with expectations of expansion in opportunity zones and Europe. The map below shows the main country of operations for EIP's portfolio companies. Additionally, the chart at right shows the distribution of EIP's companies industries based on SASB's Sustainable Industry Classification System.

SASB INDUSTRY CLASSIFICATION





SUSTAINABLE DEVELOPMENT GOALS

The United Nations Sustainable Development Goals (SDGs) offer investors an aspirational and holistic view of sustainability across its different dimensions, such as a social, economic, natural, and collaboration one.

Both the private and public sector have a role to play toward their achievement. In front of the daunting reality check of the current capital expenditure gap to meet them ($4 to $4.3 trillion as of September 2023), every dollar allocated counts.

At EIP, we follow a careful framework to map every one of investments to the SDG's 17 parent goals by utilizing the 169 underlying sub-targets. EIP's 2023 portfolio companies aligned most frequently with the SDGs shown in this page.

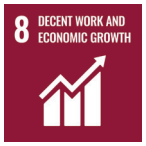
4 portfolio companies aligned with **Zero Hunger**

4 portfolio companies aligned with **Good Health & Well-being**

2 portfolio companies aligned with **Quality Education**

4 portfolio companies aligned with **Clean Water & Sanitation**

25 portfolio companies aligned with **Affordable & Clean Energy**



15 portfolio companies aligned with **Decent Work & Economic Growth**

61 portfolio companies aligned with **Industry, Innovation & Infrastructure**

3 portfolio companies aligned with **Reduced Inequality**

28 portfolio companies aligned with **Sustainable Cities & Communities**

21 portfolio companies aligned with **Responsible Consumption & Production**

23 portfolio companies aligned with **Climate Action**

9 portfolio companies aligned with **Partnerships for the Goals**

HELPING OUR PARTNERS SUCCEED

Section Five

At EIP, a core part of our mission is helping our partners achieve their decarbonization and resilience goals.

Through collaborative work that continues throughout the year, our goal is to de-risk and accelerate a successful transition to fully clean energy. Our work with our partners takes several forms, including workshops, onsite briefings and presentations, and specialized engagement. Although many of these activities focus on strategic investors with large commercial and industrial operations, our financial investors often participate to gain insights to improve their own climate investing strategies.

15
Working Groups with 307 attendees

21
new research reports for coalition members

124
Onsite Partner Presentations

$3 billion
cumulative ecosystem-portfolio bookings[54]

85%
of strategic partners have net zero or neutrality commitments

WORKING GROUPS IN 2023

Working groups are intensive, multi-day peer-to-peer sessions that are open only to LP representatives and invited guests.

These sessions are led by EIP's research team and typically also include leading solutions providers. Executive dialogs bring together senior executives from our LPs in specific areas to engage in a focused, in-depth conversation on topics of mutual interest. In 2023 we held 15 working groups and dialogs on topics shown in the table on the next page. These events attracted a total of 307 attendees from 48 of our LPs. Three-quarters of our coalition members attended a council meeting and more than two-thirds attended at least one working group.

Working Groups in 2023

Green Procurement
Development, sourcing, and acquisition of advanced green procurement solutions, including discussions with peers on critical issues facing the industry.

Gas Distribution
The future of gas distribution operations, sustainability, and customer programs in a decarbonizing era.

Balance of Systems in Renewable Projects
BoS technologies and power electronics – everything but the panel, turbine, or battery – and implications for all players in the value chain.

Hydrogen Executive Roundtable
The business case for hydrogen investment, market developments, and transformational technology in production, midstream, and applications.

Cybersecurity
Application/device security, network security, identity and access management, DevSecOps, OT security, automation, and testing.

Renewable Energy Support Services
O&M and project development solutions such as software and robotics for renewable developers.

Carbon Value Chain
Carbon removal technologies, carbon markets and trading, and monitoring and verification of offset quality.

Flexibility
New tech and business models that provide flexibility, power quality, and reliability services to power systems.

Innovation Implementation
How large, established energy organizations navigate challenges of adopting and scaling new operating technologies.

Electric Mobility
Opportunities and emerging solutions in fleet electrification, charging infrastructure, and customer adoption.

Distributed Generation and Microgrids
Emerging microgrid, distributed generation, and BOM storage tech that supports low-cost resiliency and decarbonization.

Clean Heat
Decarbonizing space, water, and steam heating for buildings and light industry and the implications for utilities and building owners.

Utility Customer Executive Roundtable
A conversation among executive leaders focused on new and emerging utility customer solutions.

Transmission & Distribution
Planning, building, operating & maintaining the critical electric infrastructure of the future.

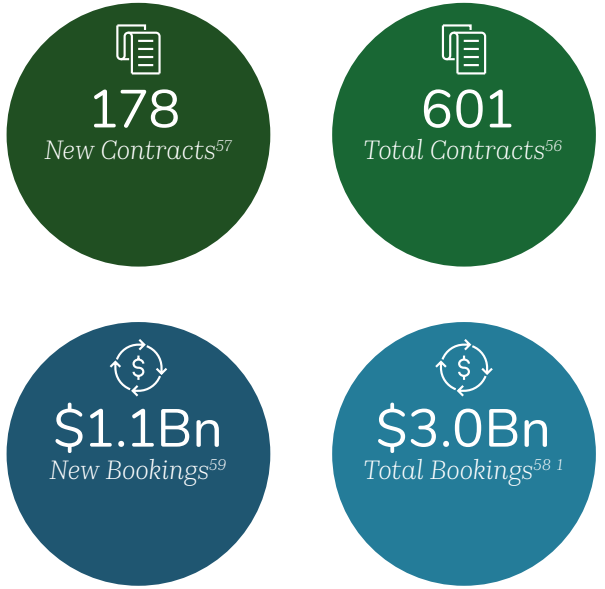
CVC Training
Intensive short course on the key skills and processes in corporate venture capital.

PARTNERS ADOPTING EIP PORTFOLIO COMPANY TECHNOLOGIES

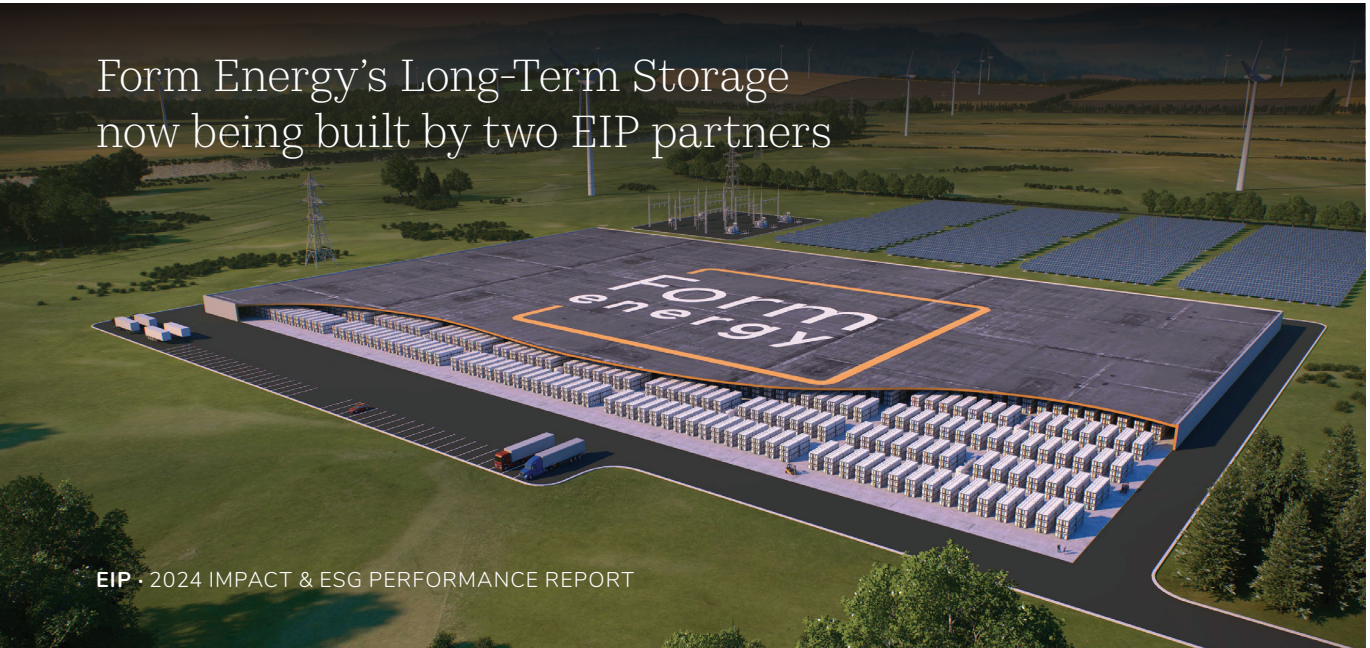
Last year our strategic LPs continued to adopt our portfolio solutions in both small- and large-scale deployments.

In total, 37 of our 67 strategic partners are working with at least one of our portfolio companies (see chart on the following page). The number of PC-LP contracts continues to grow, adding 178 new contracts in 2023 to reach a cumulative total of 601 contracts with just over $3 billion in aggregate value. Of these, well over half are continuations or expansions of prior work.

While our collaboration is strongest within our coalition, our impact certainly doesn't stop at its borders. The number of overall utilities our companies sold has increased 43% since 2021 (excluding Tesco), and total customer growth over that period was 59%.[55]

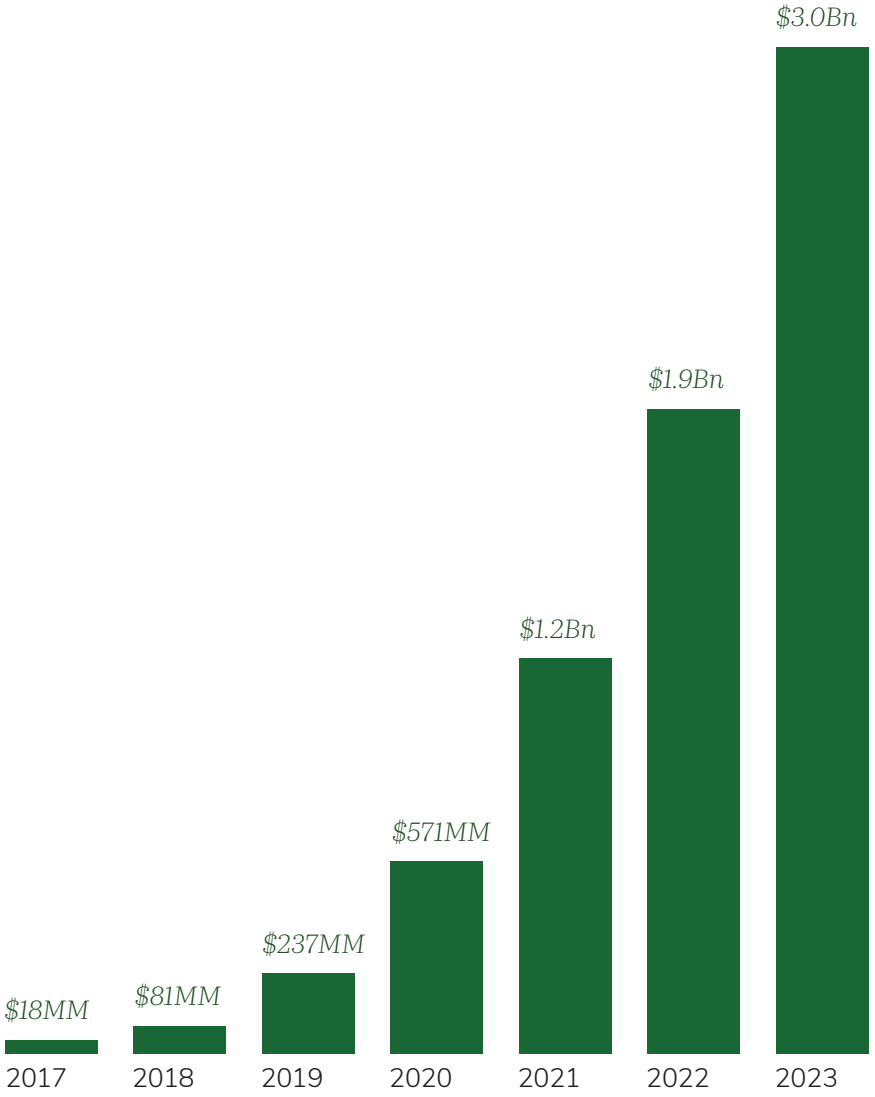


[1]Since EIP began tracking these data points in 2017



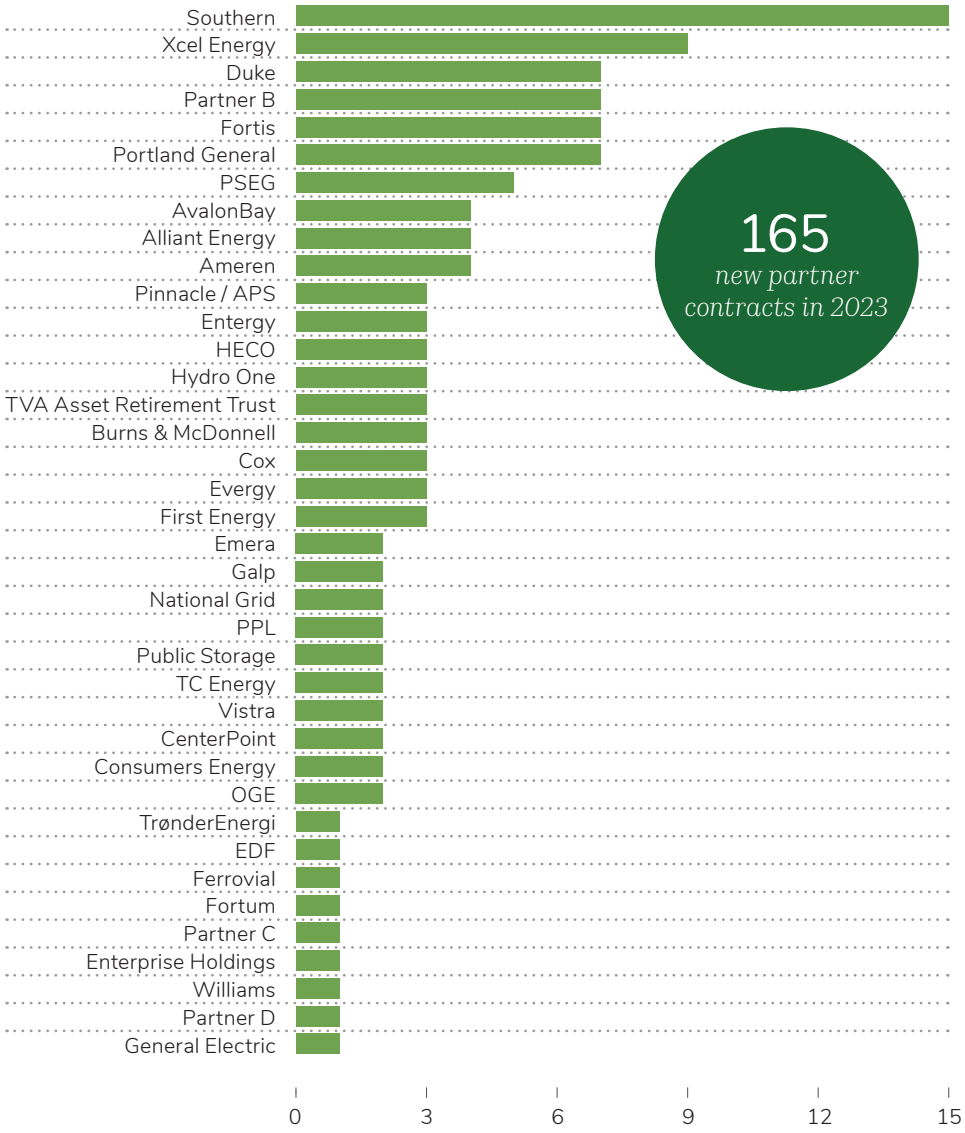
US energy secretary Jennifer Granholm and West Virginia senator Joe Manchin signing off of Form factory's groundbreaking. Form CEO Mateo Jaramillo can be seen second from left.

TOTAL CUMULATIVE BOOKINGS BETWEEN OUR PORTFOLIO COMPANIES AND ECOSYSTEM



PARTNER/PORTFOLIO CONTRACTS

2023



This chart highlights a number of our ongoing collaborations between coalition members and portfolio companies. The right side of this chart contains collaborations that are highly strategic, with the potential to trigger significant changes in business processes that decarbonize or otherwise improve operations for partners or their customers. Engagements in the left-hand circle are at or close to full commercial scale, often with plans to expand to widespread company use.

The following pages chronicle some of these collaboration success stories in more detail.

SELECTED CURRENT COLLABORATIONS BETWEEN STRATEGIC INVESTORS AND PORTFOLIO COMPANIES

Scaled Collaborations
11

EIP Partner Utility | flo
Enterprise charging solutions agreement

Alliant Energy | flo
Supporting light duty fleet electrification goals

Southern Company | SITETRACKER
Rapidly and efficiently deploying telecom assets

entergy | SITETRACKER
Managing utility-owned microgrid deployments

DUKE ENERGY | CHI
Providing field services and improving uptimes for EV chargers

Both
6

Arcadia | Public Storage
Monetizing rooftop community solar

People. Power. Possibilities. Central Hudson A FORTIS COMPANY | PROJECT CANARY
Procuring gas with lower lifecycle emissions

Xcel Energy | Form energy
Pioneering multi-day energy storage

Southern Company | Form energy
Pioneering multi-day energy storage

PSEG LONG ISLAND | gridx
Implementing TOU rates

CenterPoint Energy | RS
Deploying composite poles for resiliency

High Impact Collaborations
12

EIP Partner Utility | Audette
Multi-family property sustainability project identification and prioritization

EIP Partner Utility | mill
On site food waste management for multi-family properties

Southern Company | MOXION
Zero emissions battery storage for PGA tour

EIP Partner Utility | sparkfund
Tech-enabled procurement, financing, and fulfillment for behind-the-meter energy solutions

Hawaiian Electric | ev energy
Customer-centric managed charging

EIP Partner Utility | Singularity
Supporting utility-provided 24/7 carbon-free energy

CHARGERS REPOWERING ALLIANT ENERGY'S OWN LIGHT DUTY FLEET

Innovation Success

Background
Alliant Energy has prioritized electrifying 300 of its own light duty fleet vehicles by 2030.

As of today, Alliant Energy has 76 sites that will be electrified by 2030, with the goal of 22 sites with EV Chargers installed by Q1 2024.

Project Scope
Alliant Energy has purchased 76 EV Chargers from FLO for the 22 locations to be electrified by Q1 2024:

64 CoRe+ MAX™ Level 2 Charging Stations

12 SmartDC™ Fast-Charging Stations

Impact

- 'Walking the talk' taking-action on internal fleet vehicle electrification while promoting climate change policy at Alliant Energy is key to stakeholder confidence and engagement.
- Learning lessons that assist in our conversations with customers about their fleet electrification goals.

76
chargers supplied by FLO

22
site installations by Q1 2024

"Alliant Energy is working toward electrifying our light-duty vehicle fleet and FLO has been a key part of that journey."

BRAD PINCOMBE, Director Business Planning & Strategy, Alliant Energy, 2023

PROVIDING FIELD SERVICES & IMPROVING SYSTEM UPTIMES FOR FLORIDA SERVICE TERRITORY

Innovation Success

DUKE ENERGY®

CH! *ChargerHelp!*

Background
Duke Florida operates a network of public EV chargers yet lacked the necessary tools to manage station maintenance at scale to ensure adequate uptime for its customers.

Project Scope
Collaborated with existing Duke partners to review service tickets and dedicated in-state resources to manage repairs.

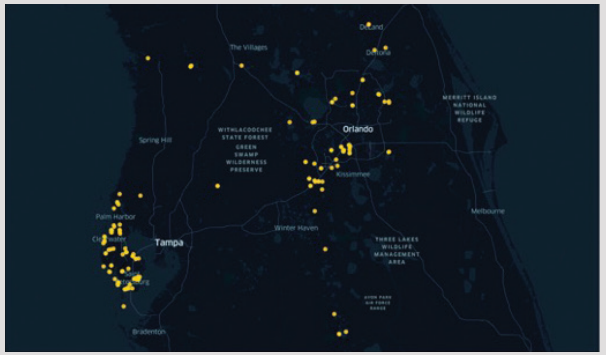
Improvements to the reliability-as-a-service (RaaS) platform allowed for a systematic approach to collecting quality station / in-field data and implementing mitigation strategies.

Impact

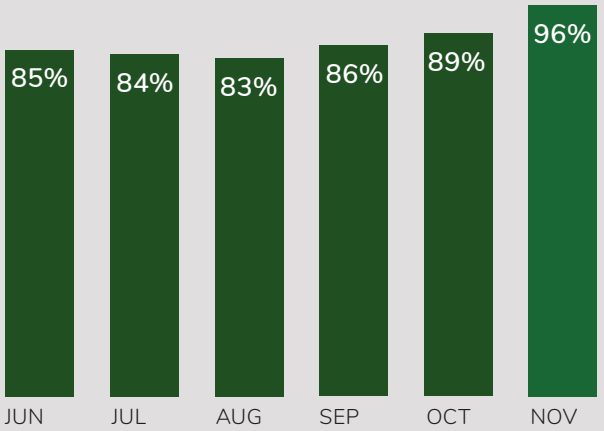
- Duke's EV operations were bolstered with a data-centric approach to maintenance, enabling their team with the tools required to maintain high uptime.
- The combination of the RaaS platform and in-field resources has resulted in consistent improvements to Duke's system uptimes, most recently tracking towards a 96% online station rate in November 2022 and leading to a 12-month contract renewal.

Tracking toward **97%** *online station rate*

Over **150** *issues resolved*



DUKE ENERGY FLORIDA STATION ONLINE%



GRIDX HELPS PSEG LONG ISLAND SUCCESSFULLY IMPLEMENT TOU RATES

Innovation Success

PSEG LONG ISLAND | gridx

Background
PSEG Long Island launched an initiative to overhaul the rate offerings available to their approximately 1.2 million customers in December of 2021 in response to low customer satisfaction scores in this area.

They began with a Time of Use (TOE) pilot targeting 6,500 opt-ins. To be successful, they knew they would need to engage and educate customers and make it simple for them to evaluate and enroll in the new rate.

Project Scope
Stood up a rate comparison tool to show customers exactly what they could be saving and distributed these personalized insights to customers via website, email, and video.

PSEG LI integrated their on-premise Customer Information System (CIS) with the GridX cloud-based billing and rate modeling tool to implement the rates without cumbersome and expensive CIS upgrades.

Impact

- Successfully enrolled 14,000 customers in the pilot, more than 2x the target.
- Customers who enrolled saw an average of 10% savings on their bills and 90% reported success shifting their demand into off-peak periods.

TOU program enrollment at **215%** *of target*

Average customer bill savings of **10%**

ZERO EMISSION BATTERY STORAGE POWERING PGA TOUR CHAMPIONSHIP HOSPITALITY ZONES

Innovation Success

Southern Company | MOXION

Background
Southern Company has worked closely with the PGA TOUR to host at East Lake Golf Club in Atlanta, GA sustainability initiatives.

In '23, Southern engaged with Moxion to replace diesel generators used to provide portable power to temporary facilities at the event.

Project Scope
Three Moxion MP-75 units powered a mobile scoreboard and a hospitality zone.

The units were on site for eight days, providing a tangible signal of Southern and the PGA Tour's leadership in the energy transition.

Impact

- Event powered by 100% carbon-free energy.
- Reduction in local noise and air pollution in heavily trafficked fan spaces.
- Proof points about the value of portable electric generators for future PGA Tour events.

1,800 kWh *used from Moxion batteries*

~10,000 lbs CO_2 *emissions avoided*

"What really impressed us was the energy storage capacity of the Moxion unit in a compact, durable, and mobile footprint. This is a great product for creating sustainable events like the TOUR Championship."

HANK ADAMS, Southern Company, SVP Cust. Solutions, 2023

ONSITE WORKSHOPS & BRIEFINGS

One of the most important ways we work with our partners is to present to their boards, management teams, and other groups at meetings, retreats, and strategy sessions.

Our onsite work provides insights into the technologies, business models, and policy shifts that are important to their decarbonization roadmaps and current operational challenges.

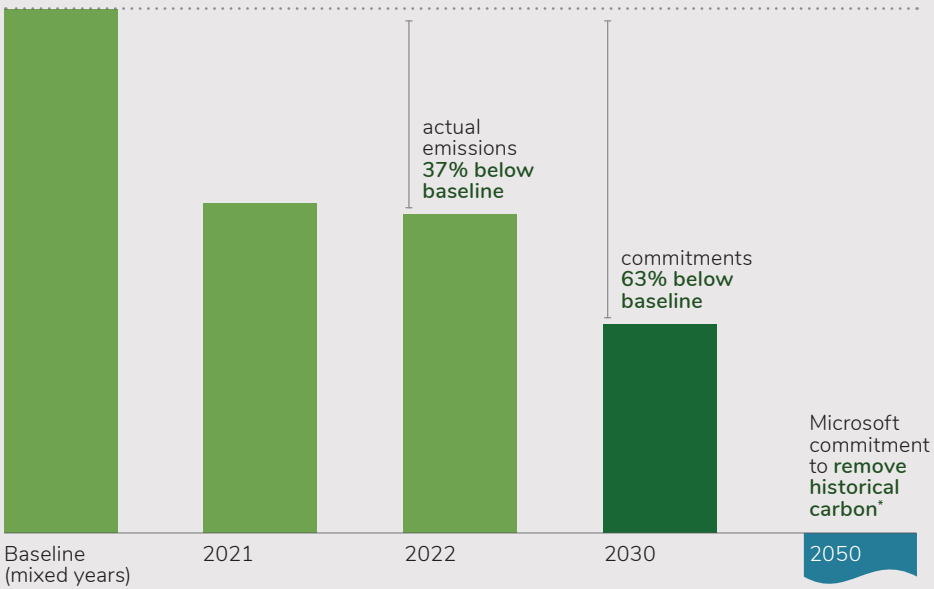
In 2023 we presented at least once at events hosted by 54 of our 62 strategic investors – 124 events in total. 20 EIP staff members participated in these sessions, primarily from the Research, Innovation, and Customer Experience team.

DECARBONIZATION PROGRESS & PLEDGES

As in past reports, we summarize the decarbonization commitments of our strategic partners and the progress they have made towards these targets and goals. As of year-end 2023, over 77% of our 61 strategic investors have made a commitment to net zero carbon or carbon neutrality in one or more scopes by 2050, with almost 25% of these commitments more ambitious than zero-by-fifty for at least one scope.

The figure below summarizes the actual progress and commitments by the strategic investors within our coalition who have set and made public decarbonization targets for Scope 1/2 emissions.[60] This portion of our coalition has already reduced its measured aggregate Scope 1/2 greenhouse gas footprint by 39% against each company's baseline[61] and have collectively committed to reductions of 60% by 2030.[62] This portion of the coalition in the aggregate reduced GHG emissions between 2021 and 2022 by about -2.67%. In contrast, total GHG emissions within the United States *increased* by an estimated 1.3% between these two years.[63] Full summaries of all public partners' commitments are shown in Appendix Table Two.

GHG EMISSIONS FROM CURRENT EIP STRATEGIC INVESTORS WITH PUBLIC 2030/2050 GOALS[64]



* This entry not to scale

THOUGHT LEADERSHIP & COMMUNITY ENGAGEMENT

Section Six

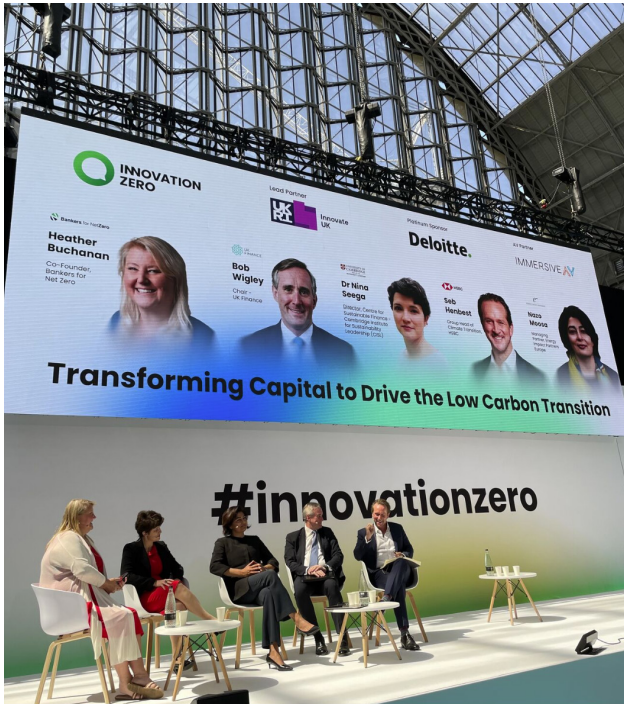
In 2023 the members of EIP continued our tradition of strong engagement in the full clean energy community.

We recognize that one element of our clean energy impact mission includes engagement with a variety of stakeholder groups that play important roles adjacent to our unique collaborative ecosystem.

Our 2023 public activities covered a wide swath. We presented or spoke at 73 conferences and workshops last year, including Shayle Kann's keynote at **Verge 2023**, Evan Pittman at EEI's annual meeting of operating company CEOs, Anthony Oni at the **American Association of Blacks in Energy**, Lindsey Luger at the BNEF Summit, Cassie Bowe at the NYSE Tech and Women in Private Markets summits, Hans Kobler at the **Global Impact Investor Network** Annual Meeting, and Peter Fox-Penner at **CERAWeek**. The high point of these public engagements was Hans Kobler, Founder, meeting with Treasury Secretary Janet Yellen and other leaders of the **Glasgow Financial Alliance for Net Zero** during NY Climate Week.

EIP folks also continued to be active in the media. Shayle led the way as always with another year of his Catalyst podcast, ranked 41st in the global technology category. Research director Andy Lubershane initiated his **Steel for Fuel** blog, while investor Michael Campo's **Adapting** blog is entering its third year. Cassie Bowe appeared on **DealTalk** and in Axios Pro. Chief Technology Officer Michael Webber was most active, with his PBS show **Power Trip** garnering 10 million views in 29 countries around the world, a new book **Powering Humanity: Essays on Energy and Society**, and multiple podcast and media appearances.

EIP has a strong commitment to creating opportunities for new innovators and increasing diversity, equity and inclusion in the broad field of clean energy finance. Last year we continued our longstanding support for the **Clean Energy Leadership Institute**, with CELI co-founder Adam James continuing to serve on CELI's board (see text box). Several EIP members also contributed guest lectures at CELI events. The Elevate team hosted the first Elevate Day conference at Morehouse College, including a student-led tour. Finally, Natalia Costa i Coromina taught a seminar on climate science and adaptation to Napa Valley farmworkers via an initiative of the nonprofit **Napa Valley Grapegrowers** and the USDA.



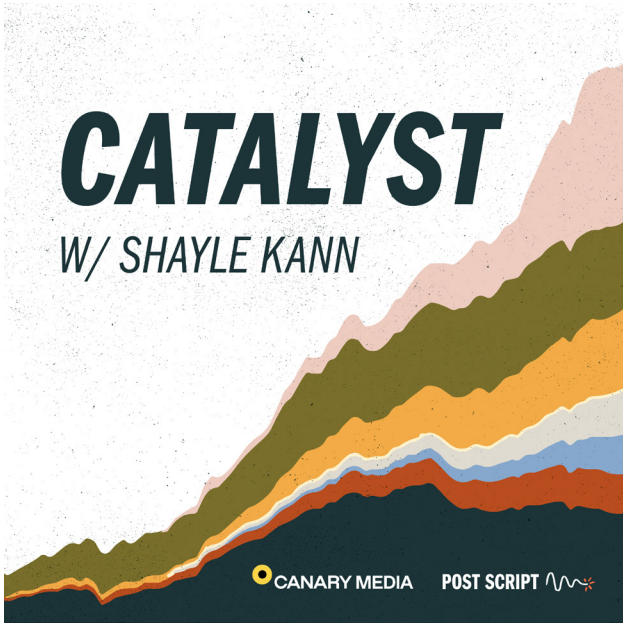
Nazo Moosa joins a panel at Innovation Zero in London in May, 2023.

Hans Kobler meets with Treasury Secretary Janet Yellen and other leaders of the Glasgow Financial Alliance for Net Zero during NY Climate Week 2023.

In the broader innovation space, Matthias Dill co-created the first **Slush Climate Summit**, a new climate track in one of Europe's largest conferences for company founders. Eve Hanson served on the advisory board of the incubator/accelerator at Argonne National Laboratory, **Chain Reaction Innovations**.

Along with specific DE&I-focused activities we also supported broader educational efforts. EIP members spoke at nine university-related events or course guest lectures. Peter Fox-Penner continued to serve on the advisory board of **Boston University's IMAP program** on sustainable finance and senior fellow at the BU Institute for Global Sustainability. In addition to his position as professor at the University of Texas, CTO Michael Webber also served on the Open Hydrogen Initiative expert panel, as a reviewer for the **National Renewable Energy Laboratory**, and on the board of **Sustainable America** Miho Kurosaki served as an independent advisor to RE 100 and as a director of the nonprofit **Kamakura Sustainability Institute**.

We also continued to contribute to several organizations that support impact and ESG. Following more than a year of start-up effort, in April 2023 we helped launch the **Venture Climate Alliance** and serve on its steering committee (see the following page). We also continue to serve on the steering committee of **Project Frame**, the community of PE and VC firms committed to sharing and improving best practices in impact measurement.



Shayle Kann delivers a keynote at VERGE 2023 in San Jose, CA

Members of the Venture Climate Alliance gathered in New York during Climate Week 2023. EIP's representative, Natalia Costa i Coromina, is in the front row center right.

THE VENTURE CLIMATE ALLIANCE

EIP is proud to be on the steering committee and one of the co-founders of the **Venture Climate Alliance** (VCA).

Venture Climate Alliance

The VCA is a voluntary group of VC and PE firms committed to guiding their portfolio companies and their own operations to net zero carbon emissions. The organization, which launched officially in **April 2023**, has already grown from its 10 co-founders to a membership of over 80 funds across the U.S. and Europe. It has also already published its first **consultation on a framework for establishing net zero commitments for early-stage investments**.

The organization has been recognized as an affiliate of the **Glasgow Financial Alliance for Net Zero** (GFANZ). GFANZ is a unit of the United Nations' Race to Zero whose 675 members span the entire financial industry and over 50 countries.

CELEBRATING THE CLEAN ENERGY LEADERSHIP INSTITUTE

10 years

The Clean Energy Leadership Institute (CELI), which was co-founded by EIP Partner Adam James, prepares clean energy professionals to effectively serve as leaders in their fields and works towards building a more inclusive and thriving sector.

The CELI Fellowship has invested in more than 1,200 individuals from diverse backgrounds, sharpening their energy systems expertise through a four-month educational intensive covering energy markets, climate technologies, energy policy, climate resilience, and energy justice. The 2023 Fall Fellowship served 210 fellows across four CELI cities, including the Bay Area, Chicago, DC, and New York City, and engaged 88 experts in the clean energy ecosystem as guest presenters.

In partnership with Elemental Accelerator and Future Map, the Empowering Diverse Climate Talent (EDICT) program has matched 176 college students and recent graduates with 10-week, paid summer internship opportunities across the climate sector. Interns receive a signature-CELI intensive clean energy instructional program, as well as real-world, on-the-job experience hosted by over 87 different climate and clean-energy employers across the country.

The CELI annual conference, emPOWER, is an in-person, non-traditional, day-long conference to leverage the talent, leadership, and knowledge of current and past fellows breaking through silos within the clean energy industry. In 2022, emPOWER22 hosted over 200 attendees, 42 speakers, and 21 breakout sessions, presenting awards to 8 distinguished alumni. We focused on a pivotal question: What is needed in this moment from leadership that is different from other moments in time?

CELI advances policy and market levers by building the relationships necessary to scale solutions. One of the ways that we have seen the impact of the Fellowship carry on beyond the immediate year of an individual's participation in the cohort, is when alumni begin to work together to bring new technologies to market, devise solutions to real-time needs, and accelerate our transition to a clean energy economy. The companies and organizations that they realize, and lead, embody innovation and our CELI values.

EIP is proud to be a long-term sponsor of CELI and congratulates it on its 10 years of progress.

The 2023 Chicago Cohort graduating from CELIs 2023 Fellowship program, joining 1,200 alumni in the CELI ecosystem

CELI Clean Energy Leadership Institute

ELEVATE DAY – A DAY OF COLLABORATION AND DISCUSSION AROUND DE&I

EIP's Elevate Future Fund hosted a gathering in Atlanta at the historic Morehouse College and Southern Company's headquarters, bringing together over 60 collaborators to engage deeply on the pressing climate and social challenges of our time.

The working group included EIP LP ambassadors, subject matter experts from our strategic partners and Elevate portfolio and prospective companies. The goal of the session was to foster collaboration and share best practices around key equity topics such as supplier diversity, community benefits, policy, workforce development, corporate innovation and more.

Executive leaders from FERC, Southern Company, and Amazon shared perspectives on how energy & industrial companies can move the needle to improve equity outcomes for all stakeholders in the energy transition. These leaders covered a span of topics from customer affordability and transmission build-out to electric charging barriers and corporate accelerators.

Messages from Morehouse and Spelman College leaders also highlighted the crucial role Historically Black Colleges & Universities (HBCUs) play in creating environments for diverse talent to thrive and offer a great talent pipeline for addressing climate challenges, particularly amidst a gloomy labor outlook for building what the energy transition needs. This convergence of minds and expertise was a demonstration of what we can achieve collectively.

Our network of diverse corporates, investors and innovators are poised to drive meaningful change in ensuring a just and equitable energy transition where every voice is heard, every community is valued, and each innovation contributes to the greater good.

Fireside chat with FERC Chairman Willie L. Phillips and Anthony Oni, Managing Partner of the Elevate Future Fund

Southern Company CEO Chris Womack speaks with EIP Chief Utility Officer Kevin Fitzgerald and two EIP Elevate ambassadors

"So when I'm talking to early stage companies, one of the things that I am focused on is are you building a wave or are you riding a wave? There's not a right answer. Building a wave is a lot harder – its really, really hard. You have to change the world – bend the world to your technology. But if you can figure out what waves are being built, you can time it right, you can build something in the context of that transformation, then riding the wave is an incredibly smart strategy as well."

SHAYLE KANN,
VERGE Keynote 2023

"Just about everyone who cares about the climate has been counting on renewables to be the building blocks of the energy transition. Prior to the past few years, renewable power prices were nearly always falling; and most decarbonization scenarios have assumed that this trend would continue, albeit at a somewhat slower pace. But to me, none of the reasons for this sudden reversal [of falling renewable prices] seem like temporary speedbumps. To me, they all seem to be lasting changes to the status quo."

ANDY LUBERSHANE,
Steel for Fuel, October 2023

"One particular gap that we continue to see is a gap between these really exciting climate technologies that have been largely de-risked from a technical perspective – not entirely but largely – yet the companies have not meaningfully deployed commercially. [S]o they are still quite low on revenue, and traditional investors who may be coming in to invest in later stage deployment are not coming in yet. So we see a gap in technologies where there is a lot of capex required for initial scaleup. We haven't seen as many players willing to invest there, and I think this is where the corporates and the government are going to have to fill the gap."

CASSIE BOWE,
Deal Talk, December 2023

"My biggest concern is whether there will be enough hybrid capital to support the energy transition. People are so used to talking about infrastructure or buyouts or growth. But we need hybrid capital – infrastructure funds need to interact with venture capital funds. The dynamics of this market are different."

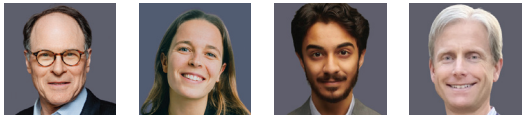
NAZO MOOSA,
SuperReturn - SuperInvestor, November 2023

AUTHORS & ACKNOWLEDGEMENTS

This report was written by Peter Fox-Penner, Natàlia Costa i Coromina, and Saurabh Kumar of Energy Impact Partners, and Cliff Brown of ESG Capital Group.

The essays featured in Section Two of this report are written by members of EIP's Research & Innovation Team: Andy Lubershane, Jake Elder, Bryant Ebright, Kirsten Smith, Dr. Eve Hanson, Geneva Werner, and former EIP employee Clothilde Venereau.

Question or comments are welcome at **impact@energyimpactpartners.com**.



The authors would like to extend their gratitude to EIP's investment partners, portfolio companies, and employees, many of whom have devoted significant time and resources to make this report possible. We recognize that each of our portfolio companies, and often members of our investment teams, devote considerable time to the reporting reflected in this report, as well as other impact and ESG activities throughout the year. We are very grateful for their assistance and expertise. We also very much appreciate and rely on the cooperation of our investment partners, who provide substantial input into Section Five: *Helping our Partners Succeed* and Appendix II. Finally, we thank the members of our ESG and Impact Advisory Board: Brandon Middaugh, Frank Prager, Ann Klee, Thato Keineetse, and Lene Hodge.

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APPENDIX I – OUR 2023 PORTFOLIO

COMPANY NAME	DESCRIPTION OF COMPANY	IMPACT CATEGORY	IMPACT PATHWAY	PRIMARY FUND	SDG
42Crunch	API Security platform, addressing the development, testing, and deployment security requirements of API infrastructure.	OI	Cyber Security	Europe	
6K	Materials design and production company for Li-ion batteries.	DM	Materials & Circularity	Frontier	
Aeroseal	Duct & air sealing technology for residential and commercial buildings to increase energy efficiency while improving comfort and indoor air quality.	DM	Energy Efficiency	Flagship II	
Arcadia	Customer-facing software technology that powers the next generation of climate solutions, giving anyone the tools to electrify and decarbonize.	DM	Decarbonization Tools	Flagship I	
AtmosZero	Industrial-scale heat pumps for decarbonizing industrial steam	DM	Energy Efficiency	Frontier	
Audette	Analytics platform and marketplace designed to accelerate carbon reduction investment in commercial buildings	F	Decarbonization Tools	Elevate	
Boston Metal	Boston Metal is developing a molten oxide electrolysis (MOE) process to revolutionize and electrify steelmaking.	DM	Materials & Circularity	Frontier	
Carbon America	Carbon America is a carbon capture and sequestration "Super Developer" – vertically integrating the capture, transportation, and sequestration components	DM	Clean Energy Delivery & Infrastructure	Frontier	
Ceibo	Developer of advanced leaching technology for copper extraction	DM	Materials & Circularity	Frontier	
Celerity Consulting Group	Risk management consulting firm for electric and gas utilities to optimize information and maximize results.	F	Efficient Operations	Credit I	

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COMPANY NAME	DESCRIPTION OF COMPANY	IMPACT CATEGORY	IMPACT PATHWAY	PRIMARY FUND	SDG
ChargerHelp!	Chargerhelp is an EV charging station maintenance and services company.	F	Clean Energy Delivery & Infrastructure	Elevate	8, 9, 6, 11
Cimcon / Quantela	Smart outdoor lighting provider with network, communications, and SW to enable Smart City applications	DM	Energy Efficiency	Flagship I	11
Community Tree Service	Leading provider of highly recurring, nondiscretionary, mandated vegetation management and emergency response services.	F	Efficient Operations	Credit I	11, 13
Corelight	Corelight is a cybersecurity company focused on Network Detection & Response (NDR).	F	Cyber Security	Flagship II	8, 9, 17
Coro	Provider of security solutions for SMEs, to defend against malware, ransomware, phishing, and bots across devices, and cloud applications.	F	Cyber Security	Flagship II	8, 9, 17
Cyclic Materials	Developed a novel process for extracting rare earth permanent magnets from end of life electric motors.	DM	Materials & Circularity	Frontier	9, 12
Derive	Automotive technology company whose solutions optimize vehicle performance and fleet profitability.	DM	Energy Efficiency	Credit I	3, 11
Dragonfly Energy	Lithium ion battery technology company.	DM	Clean Energy Generation & Storage	Credit I	9, 12
Dragos	Industrial Control System cybersecurity company that offers threat detection software, a threat operations center and a global intelligence platform.	F	Cyber Security	Flagship I	8, 9, 17
Electric Hydrogen	Hydrogen electrolysis technology company building a next generation polymer electrolyte membrane (PEM) system to create green, renewable H2.	DM	Clean Energy Generation & Storage	Frontier	3, 7, 9, 13
Enchanted Rock	Developer of natural gas-powered backup generation systems located at key demand locations within the Electric Reliability Council of Texas (“ERCOT”) and beyond.	DM	Clean Energy Delivery & infrastructure	Flagship I	7, 11, 13

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COMPANY NAME	DESCRIPTION OF COMPANY	IMPACT CATEGORY	IMPACT PATHWAY	PRIMARY FUND	SDG
ES Solar	Leading solar company and contractor in Utah providing residential and commercial solar panel installations.	DM	Clean Energy Generation & Storage	Credit II	
ESG Book	Sustainability data, ratings and analytics provider covering over 9,000 of the largest public equities.	F	Decarbonization Tools	Europe	
eSmart	Provider of AI-based analytics for infrastructure inspection and asset health monitoring, focusing on power grid infrastructure and grid anomalies.	F	Efficient Operations	Flagship I	
EV.Energy	Smart charging software platform which connects utilities, auto OEMs and end customers in order to optimize residential EV charging.	DM	Energy Efficiency	Europe	
Finite State	Software company that provides greater visibility and security to IoT devices through automated firmware analysis, network visibility and monitoring and threat detection and response.	F	Cyber Security	Flagship II	
FLO	Vertically integrated provider and operator of EV charging solutions.	DM	Clean Energy Delivery & Infrastructure	Flagship II	
Form Energy	Form Energy is developing a novel battery storage technology that is low cost, safe, scalable and with a focus on long duration capabilities.	DM	Clean Energy Generation & Storage	Frontier	
Greenly	Carbon accounting and management platform for SMEs.	F	Decarbonization Tools	Europe	
GridX	Big Data applications to enable utilities to develop, promote and implement better products, tariffs and business models.	F	Efficient Operations	Flagship II	
Grover	Subscription-based rental platform for consumer electronics which enables reusability. Grover also refurbishes and resuses consumer electronics, thereby reducing waste and emission impacts.	DM	Materials & Circularity	Europe	

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COMPANY NAME	DESCRIPTION OF COMPANY	IMPACT CATEGORY	IMPACT PATHWAY	PRIMARY FUND	SDG
HeatTransformers	Platform that enables the scalablility of heat pumps through a fully digitalised sale and technical and installation advice.	DM	Energy Efficiency	Europe	
Hippo Harvest	High tech greenhouse designer leveraging a unique mix of Dutch technology, off the shelf robotics, deep ML and software engineering to produce leafy greens.	DM	Decarbonization of Food & Agriculture	Flagship II	
HomeTree	Technology-enabled home services company specialising in boiler and home emergency cover.	DM	Energy Efficiency	Europe	
HopSkipDrive	Student transportation platform covering 6000+ schools in 250+ school districts. The company offers an app for ride booking and tracking, a driver marketplace and safety support systems.	DM	Energy Efficiency	Elevate	
HumanCo	Mission-driven private holding company that invests in and builds brands focused on healthier living and sustainability.	DM	Decarbonization of Food & Agriculture	Credit I	
Infravision	Infravision builds scalable power grid modernization technologies, such as drones, to support global grid decarbonization.	F	Grid Integration & Optimization	Flagship II	
Innowatts	Provider of meter level predictive analytics for load forecasting, risk management, and customer engagement use cases.	F	Grid Integration & Optimization	Credit I	
Instagrid	Developer of battery-based portable power systems for the professional market, replacing carbon-intensive generators.	DM	Clean Energy Generation & Storage	Europe	
ION Solar	Vertically-integrated residential solar platform providing full-service solar installation for residential customers, with over 151 MW installed across 30,000 households	DM	Clean Energy Generation & Storage	Flagship II	
Koloma	Geologic hydrogen company that leverages its technology, proprietary data, and human capital advantages to identify and commercialize these resources on a global scale.	DM	Clean Energy Generation & Storage	Frontier	

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COMPANY NAME	DESCRIPTION OF COMPANY	IMPACT CATEGORY	IMPACT PATHWAY	PRIMARY FUND	SDG
Stream Security	Cloud management platform that allows enterprises to simulate the impact of code changes and configurations across their cloud environments	F	Cyber Security	Flagship II	8 9
Manus Bio	Bioalternatives scale-up platform that replaces existing ingredients, materials, and chemicals with bioalternatives, increasing supply security while reducing environmental impacts.	DM	Materials & Circularity	Credit I	2 3 12
Marketing Evolution	Developer of marketing planning, measurement and optimization solutions.	OI	Other Impact	Flagship I	12
Measurabl	ESG data platform for the real estate industry, whose solutions incorporate features such as automated utility data collection, building and portfolio performance, and climate risk.	F	Decarbonization Tools	Flagship II	9 11
MetaFuels	Metafuels is the developer of a proprietary process that converts green methanol to jet fuel with high selectivity.	DM	Materials & Circularity	Frontier	9 11 12
Mill	Mill develops food waste management solutions with user-centered designs and technology.	DM	Materials & Circularity	Flagship II	9 11 12
Mimeo	Printing solutions company for companies, schools and individuals.	OI	Other Impact	Credit I	12
Mosaic	Point of sale financing platform for residential solar, DER, and energy efficiency projects.	DM	Clean Energy Generation & Storage	Flagship I	7 11 13
Moxion Power	Moxion is developing intelligent mobile batteries to replace diesel generators.	DM	Clean Energy Generation & Storage	Flagship II	7 9 13
Network Perception	Lightweight, non-invasive network visualization platform that enables security teams to rapidly identify network vulnerabilities, assess risks and ensure compliance.	F	Cyber Security	Flagship I	8 9
Nitricity	Nitricity electrifies and distributes the production of nitrogen fertilizer in a climate-smart way.	DM	Decarbonization of Food & Agriculture	Frontier	6 9 12

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COMPANY NAME	DESCRIPTION OF COMPANY	IMPACT CATEGORY	IMPACT PATHWAY	PRIMARY FUND	SDG
Noetic	Cybersecurity company focused on a proactive approach to cyber asset and controls management, empowering security teams to see, understand, and optimize their cybersecurity posture.	F	Cyber Security	Flagship II	
Palmetto	Designer, developer and manufacturer of technology products that enable customers to understand the benefits of clean technology	DM	Clean Energy Generation & Storage	Credit I	
Particle	Hardware and software solution provider for IoT connectivity across many energy devices, including HVAC systems, hot tubs, heating systems, and EV chargers.	DM	Efficient Operations	Flagship I	
Picnic	Cybersecurity firm providing unprecedented enterprise-wide protection from social engineering.	F	Cyber Security	Flagship II	
Power Factors	Software developer that empowers owners and operators of renewable energy to collaborate, automate critical workflows and make the best decisions to maximize asset returns.	F	Grid Integration & Optimization	Flagship II	
Powin Energy	Global energy platform providers that offers fully integrated utility-scale battery energy storage systems to accelerate the shift to clean energy alternatives.	DM	Clean Energy Generation & Storage	Flagship II	
Project Canary	Project Canary is an environmental data and software company that collects, analyzes, quantifies, and visualizes asset-level environmental risk assessments and emission profiles for energy companies.	DM	Clean Energy Delivery & Infrastructure	Elevate	
RangeForce	RangeForce is an cybersecurity company that provides hands-on, immersive and realistic environments for remote cyber training.	F	Cyber Security	Europe	
RapidSOS	Intelligent safety platform that securely links life-saving data from connected devices, apps and sensors to 9-1-1 and first responders globally.	OI	Other Impact	Flagship I	
Rheaply	B2B Software as a service company that specializes in enterprise asset management technology for the circular economy.	DM	Materials & Circularity	Elevate	

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COMPANY NAME	DESCRIPTION OF COMPANY	IMPACT CATEGORY	IMPACT PATHWAY	PRIMARY FUND	SDG
Robust.ai	Robotics company that combines AI and human-centered design to make robots broadly useful and effortless to adopt for manufacturing and logistics.	OI	Other Impact	Elevate	
Rondo Energy	Rondo delivers zero-carbon industrial heat through the Rondo Heat Battery, which powers industrial processes with renewable electricity, cutting energy costs and eliminating emissions.	DM	Clean Energy Generation & Storage	Frontier	
RS Technologies	RS designs, engineers and builds environmentally sustainable, high performance composite based utility poles, which offer superior functionality and longevity compared to traditional alternatives.	DM	Efficient Operations	Flagship II	
Rubicon Global	Rubicon is a software platform providing full-service waste management, recycling, and smart city technology solutions with the end goal of ending waste.	DM	Materials & Circularity	Credit II	
Scythe	Cybersecurity risk management company that empowers organizations to attack, detect, and respond efficiently.	F	Cyber Security	Credit I	
Scythe Robotics	Provider of advanced and sustainable autonomous technology for maintaining off-road environments safely, effectively, and responsibly.	DM	Decarbonization of Food & Agriculture	Flagship II	
Sense	Seller of an integrated hardware and software platform providing residential home owners with broad home intelligence through non-intrusive load disaggregation.	DM	Energy Efficiency	Flagship I	
Sibros	Sibros is a connected vehicle platform delivering OTA software updates with deep data collection and diagnostics.	F	Clean Energy Delivery & infrastructure	Flagship II	
Singularity	Carbon intelligence platform that provides a suite of innovative products, developer APIs, and intelligent tools for companies to build data-driven decarbonization solutions.	DM	Decarbonization Tools	Flagship II	
Sitetracker	Global software company committed to helping organizations build, deploy, and maintain the next generation of critical infrastructure faster and more profitably.	F	Efficient Operations	Credit I	

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COMPANY NAME	DESCRIPTION OF COMPANY	IMPACT CATEGORY	IMPACT PATHWAY	PRIMARY FUND	SDG
SMTI	Developer of thermally driven heat pump technology designed to offer cost effective and sustainable heating alternatives.	DM	Energy Efficiency	Flagship II	
Sparkfund	Energy transition partner providing program management, project implementation, and financing services for utilities and building owners.	DM	Energy Efficiency	Flagship I	
Studytube	Studytube is an integrated corporate eLearning software provider with a marketplace of third-party training content.	OI	Other Impact	Europe	
Sublime Systems	Sublime uses an electrochemical process to produce cost-competitive zero-carbon cement using renewable electricity	DM	Materials & Circularity	Frontier	
Swimlane	Software company that unifies security operations in-and-beyond the SOC into a single system of record to reduce process and data fatigue while quantifying business value and security effectiveness.	F	Cyber Security	Flagship I	
TESCO	Company that sources meter testing instruments and accessories for utility customers.	F	Grid Integration & Optimization	Credit I	
TMC	Engineering company, specializing in transportation planning and traffic engineering, that conducts studies and prepares plans for private clients and governmental agencies.	OI	Other Impact	Credit II	
Trachte	Building Manufacturer of modular, prefabricated steel structures for utility and renewables markets including transmission and distribution (T&D), renewable energy, power generation, data centers, and more.	F	Grid Integration & Optimization	Credit II	
Transaera	Developer of a novel air conditioner providing energy-efficient dehumidification, saving energy and improving thermal comfort.	DM	Energy Efficiency	Frontier	
TRC Companies	Engineering, consulting and environmental services firm serving utilities, governments, and commercial and industrial end markets.	F	Efficient Operations	Flagship II	
Urbint	Data intelligence company that applies artificial intelligence to urban data sets to help make urban infrastructure more resilient.	DM	Efficient Operations	Flagship I	

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COMPANY NAME	DESCRIPTION OF COMPANY	IMPACT CATEGORY	IMPACT PATHWAY	PRIMARY FUND	SDG
Verinext	Enterprise technology solutions provider, whose product categories include application development, infrastructure services, mobility, cybersecurity, and cloud services.	OI	Other Impact	Credit II	
Vistech	Comprehensive, vertically integrated manufacturing organization serving the automotive industry.	OI	Other Impact	Credit II	
Williams Industrial Services	Williams offers construction, maintenance and modification and total plant management support services and programs to the power generation and other heavy industries.	F	Efficient Operations	Credit I	
Zap Energy	Fusion technology company working to commercialize a z-pinch fusion reactor.	DM	Clean Energy Generation & Storage	Frontier	
Zitara	Provider of lithium battery analytics that enables enterprises to simulate and plan their deployments in advance and continuously optimize the safety and profitability of their real time operations.	F	Clean Energy Generation & Storage	Flagship II	
Zolar	Technology led company which digitizes and automates the marketing and sales, the design and sourcing, the payment and the helpdesk for the residential PV and storage market.	DM	Clean Energy Generation & Storage	Europe	

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APPENDIX II

INVESTOR NAME	COMMITMENT/ TARGET	SOURCES	MILLION METRIC TONS CO_2E						INCLUDED IN FIGURE *Yes/No*	TABLE NOTES
			Baseline Year	*Baseline Emissions*	*2021 Emissions*	*2022 Emissions*	*2030 Goal*	*2050 Goal*		
AGL	Net-Zero for Scope 1, 2, and 3 emissions by 2050. Net-Zero in Scopes 1+2 operating emissions by end of FY35.	**2022 Climate Transition Action Plan**	2018	43.25	40.67	40.05	29.05	0.00	Yes	Table data includes only Scope 1 and 2 emissions, except 2050 goal which is enterprise-wide. All data aligns with July-June financial year. 2030 goal has been calculated assuming a linear decline toward 2035 goal.
Alliant Energy	50% reduction in emissions from utility operations from baseline by 2030. 80% reduction by 2040. Net-Zero CO2 emissions from electricity generation by 2050.	Updating Our Clean Energy Vision Goals	2005	21.60	15.53	13.09	10.80	0.00	Yes	
Amazon	50% of Amazon shipments Net-Zero by 2030. Net-Zero operational emissions by 2040.	**2022 Sustainability Report**	2019						No	
Ameren	60% reduction in Scope 1 emissions from baseline by 2030. 85% reduction by 2040. Net-Zero Scope 1 emissions by 2045.	**2022 EEI Filing · 2023 CDP Filing**	2005	69.15	33.18	32.00	20.66	5.41	Yes	

INVESTOR NAME	COMMITMENT/ TARGET	SOURCES	MILLION METRIC TONS CO_2E						INCLUDED IN FIGURE	TABLE NOTES
			Baseline Year	*Baseline Emissions*	*2021 Emissions*	*2022 Emissions*	*2030 Goal*	*2050 Goal*	*Yes/No*	
Avalon Bay	53% reduction in Reduce Scope 1 and 2 emissions intensity by 2030 and Scope 3 emissions intensity by 47% by 2030.	**2022 Environmental, Social, and Governance Report**	2017	0.49	0.43	0.46	0.26	n/a	No	
Avista	Reduce carbon emissions for natural gas 30% by 2030 and to be carbon-neutral by 2045.	**2022 EEI Filing · 2023 TCFD and SASB Disclosure**	2005	4.31	3.23	3.58	0.00	0.00	Yes	
Aviva	90% reduction in Scope 1 and 2 emissions from baseline by 2030. Net-Zero Scope 1, 2 and 3 emissions by 2040.	**2022 Sustainability Report**							No	
Axpo	Net-Zero by 2040 for Scopes 1 and 2, and Net-Zero by 2050 for Scopes 1, 2, and 3.	**2022-23 Sustainability Report**							No	
Banpu	7% emissions intensity reduction for mining business by 2025. 20% emissions intensity reduction for power business by 2025.	**2022 Sustainability Report**							No	
Burns & McDonnell	50% reduction in Scope 1 and 2 emissions from baseline by 2030.	**2022 Corporate Sustainability Report**	2019	0.02	0.02	0.03	0.01	n/a	No	
BXP	Reduce Scope 1, Scope 2, and Scope 3 GHG emissions intensity; Net-Zero carbon emissions by 2050.	**2022 ESG Report**	2008	0.24	0.08	0.04	0.00	0.00	Yes	Table data includes only Scope 1 and 2 emissions (market-based).

INVESTOR NAME	COMMITMENT/ TARGET	SOURCES	MILLION METRIC TONS CO_2E						INCLUDED IN FIGURE	TABLE NOTES
			Baseline Year	*Baseline Emissions*	*2021 Emissions*	*2022 Emissions*	*2030 Goal*	*2050 Goal*	*Yes/No*	
Centerpoint Energy	Net-Zero Scope 1 and 2 by 2035. 20-30% reduction in Scope 3 emissions by 2035.	**Energy Transition Goals · ESG Data Center**	2005/ 2021 (Scope 3)	4.70	7.10	4.89	1.88	0.00	Yes	Scope 1 and 2 only
Chubu	50% reduction in CO2 emission from electricity generation from baseline by 2030. Net-Zero CO2 emissions by 2050.	**2022 CSR Report**	2013	64.69	41.58	45.09	32.35	0.00	Yes	
Cox	Carbon and water neutral by 2034; Zero landfill by 2024.	**2022 Collective Impact Report**	2019	0.57	0.37	0.30	0.10	0.00	Yes	
DNV Ventures	50% reduction in emissions from baseline by 2025. Net-Zero by 2050.	**2022 Annual Report**	2019	0.08	0.03	0.04	0.03	0.00	Yes	
Duke	50% reduction in CO2 emissions from electricity generation by 2030. Net-Zero Scope 1, 2 and partial Scope 3 emissions by 2050.	**2022 EEI and AGA ESG/ Sustainability Report**	2005	140.00	77.30	77.60	70.00	0.00	Yes	Table data includes only emissions from electric generation (Scope 1); 2030 and 2050 goals represent "net" measurement (including CDR and/or offsets).
EDF	60% reduction in Scope 1 against 2017 baseline and 28% reduction in Scope 3 by 2030 against 2019 baseline; carbon neutral by 2050.	**2022 Universal Registration Document · Doing even more to reduce CO2 emissions**	2017/2019 (Scope 3)	51.30	27.00	24.00	15.50	0.00	Yes	Table data includes Scope 1 emissions only.
Emera	55% reduction in emissions by 2025 and 80% by 2040. Net-Zero emissions by 2050.	**2022 Sustainability Report**	2005	25.05	15.31	14.68	11.27	0.00	Yes	

INVESTOR NAME	COMMITMENT/ TARGET	SOURCES	MILLION METRIC TONS CO_2E						INCLUDED IN FIGURE	TABLE NOTES
			Baseline Year	*Baseline Emissions*	*2021 Emissions*	*2022 Emissions*	*2030 Goal*	*2050 Goal*	*Yes/No*	
Enmax	Reduce or offset 70% of Scope 1 and Scope 2 emissions from baseline by 2030. Net-Zero by 2050.	**2022 Environmental Report**	2015	9.28	3.15	3.23	2.78	0.00	Yes	
Entergy	50% reduction in CO2 emissions from baseline by 2030. Net-Zero carbon emissions for operations by 2050.	**2022 Integrated Report**	2000	85.19	51.13	66.99	n/a	0.00	No	Increase in emissions from 2021 to 2022 is largely the result of voluntary expansion of Scope 3 categories.
Evergy	70% reduction in carbon emissions from baseline by 2030. Net-Zero carbon emissions by 2045.	**2022 Sustainability Report**	2005	48.46	26.07	27.01	14.54	0.00	Yes	
EWE AG	Compared to the base year of 2018, we will reduce our emissions in Scope 1 and 2 by 65% by 2030, and in Scope 3 by more than 30% by 2030.	**2022 Combined Separate Non-Financial Report**	2018	21.14	19.74	19.43	13.75	0.00	Yes	
Ferrovial	Net-Zero by 2050. 35.3% reduction in Scopes 1 and 2 by 2030. 20% reduction in Scope 3 by 2030.	**2022 Climate Strategy**	2009	0.60	0.48	0.46	0.39	0.00	Yes	
FirstEnergy	30% reduction in Scope 1 emissions from baseline by 2030. Carbon neutral Scope 1 by 2050.	**2022 EESG Data Report**	2019	18.11	15.91	16.54	n/a	0.00	No	

INVESTOR NAME	COMMITMENT/ TARGET	SOURCES	MILLION METRIC TONS CO_2E						INCLUDED IN FIGURE	TABLE NOTES
			Baseline Year	*Baseline Emissions*	*2021 Emissions*	*2022 Emissions*	*2030 Goal*	*2050 Goal*	*Yes/No*	
Fortis	50% reduction in carbon emissions from baseline by 2030. 75% reduction by 2035. Net-Zero direct CO2 emissions by 2050.	**2023 Sustainability Update Report**	2019	12.31	9.74	8.75	6.15	0.00	Yes	
Fortum	Carbon neutral Scope 1, 2 and 3 by 2030.	**2022 Sustainability Report**	189	33.13	31.74	11.80	0.00	n/a	No	
GALP	40% reduction in Scope 1 and 2 emissions by 2030. Net-Zero Scope 1, 2 and 3 by 2050.	**2022 Sustainability Journey**	2017	4.21	3.21	3.45	2.52	0.00	Yes	
GE	Carbon neutral Scope 1 and 2 by 2030. Net-Zero for Scope 1, 2 and sold product emissions by 2050.	**2022 Sustainability Report**	2019	2.27	1.81	1.63	0.00	0.00	Yes	Table data includes Scope 1 and 2 emissions only.
HECO	70% reduction in emissions by 2030. Net-Zero emissions from power generation by 2045.	**2022-2023 Sustainability Report**	2015	7.97	6.81	6.90	n/a	0.00	No	
Hydro One	30% reduction in emissions by 2030. Net-Zero by 2050.	**2022 Sustainability Report**	2018	0.34	0.31	0.31	0.24	0.00	Yes	
MGE	80% Reduction by 2030 vased on 2005 baseline; Net-Zero carbon electricity by 2050.	**2022 Corporate Responsibility & Sustainability Report**	2005	3.20	2.34	1.96	0.64	0.00	Yes	

INVESTOR NAME	COMMITMENT/ TARGET	SOURCES	MILLION METRIC TONS CO_2E						INCLUDED IN FIGURE *Yes/No*	TABLE NOTES
			Baseline Year	*Baseline Emissions*	*2021 Emissions*	*2022 Emissions*	*2030 Goal*	*2050 Goal*		
Microsoft	Carbon negative by 2030. Remove all historical emissions by 2050.	**2022 Environmental Sustainability Report**	2020	11.44	13.06	13.00	Carbon negative	Carbon Negative and remove all the carbon the company has emitted either directly or by electrical consumption since it was founded in 1975	No	
Mitsui Fudosan	40% reduction in Scope 1 and 2 and 3 emissions from baseline by 2030. Net-Zero in Scope 1 and 2 and 3 by 2050.	**2023 ESG Report**	2019	4.38	4.20	5.50	2.63	0.00	Yes	
National Grid	Reduce Scope 1 and 2 greenhouse gas (GHG) emissions 80% by 2030, 90% by 2040, and to Net-Zero by 2050 from a 1990/91 baseline. Reduce Scope 3 GHG emissions across our entire value chain 37.5% by 2033/34, from a 2018/19 baseline.	**Responsible Business Report 2022/2023**	1990/2018	24.15	7.83	7.25	4.83	0.00	No	
OGE	50% reduction in Scope 1 and 2 CO2 emissions from baseline levels by 2030. Retire 95% of current fossil-fuel generation by 2050.	**2021-2022 Stewardship Report · 2022 CDP Filing**	2005	30.71	12.53	9.96	12.26	0.50	Yes	
Park Hotels	Reduce energy consumption & carbon emissions.	**2022 Corporate Responsibility Report**	2017						No	

INVESTOR NAME	COMMITMENT/ TARGET	SOURCES	MILLION METRIC TONS CO_2E						INCLUDED IN FIGURE	TABLE NOTES
			Baseline Year	*Baseline Emissions*	*2021 Emissions*	*2022 Emissions*	*2030 Goal*	*2050 Goal*	*Yes/No*	
Pembina	Reduce GHG intensity of Scope 1 and 2 emissions by 30% by 2030.	**2022 Sustainability Report**							No	
APS	65% clean resource mix and 45% of generation portfolio from renewable energy; 100% clean, carbon-free energy by 2050. 70% reduction from 2005 base year by 2032 from CDP 2022 report.	**ESG Reporting**	2005	16.68	11.44	12.76	5.84	0.00	Yes	
Portland General Electric	80% reduction in Scope 1, 2 and 3 emissions from baseline by 2030. Net-Zero Scope 1, 2 and 3 emissions by 2040.	**2022 ESG Report**	2010	9.48	6.12	6.06	1.62	0.00	Yes	
POSCO	10% reduction in Scope 1 and 2 emissions from baseline by 2030. 35% by 2035. 50% by 2040. Net-Zero Scope 1 and 2 emissions by 2050.	**2022 Sustainability Report**	2017-2019 Avg.	78.80	78.49	70.19	70.92	0.00	Yes	
PPL	70% reduction l Scope 1 and 2 (and 3) by 2030, 80% reduction by 2040, Net-Zero by 2050.	**2022 Sustainability Report**	2010	62.58	26.67	27.22	18.77	0.00	Yes	
PSEG	Net-Zero Scope 1 and 2 emissions by 2030.	**News Release**	2005	19.53	11.12	2.87	0.00	0.00	Yes	
PTT	Reduce Scope 1 and 2 emissions by 15% by 2030. Carbon Neutral by 2040 and Net-Zero by 2050.	**Climate Action**	2020	160.10	161.40	177.56	37.36	0.00	Yes	Market-based emissions used

INVESTOR NAME	COMMITMENT/ TARGET	SOURCES	MILLION METRIC TONS CO_2E						INCLUDED IN FIGURE	TABLE NOTES
			Baseline Year	*Baseline Emissions*	*2021 Emissions*	*2022 Emissions*	*2030 Goal*	*2050 Goal*	*Yes/No*	
Public Storage	Committed to reducing energy consumption, carbon emissions, and embodied carbon. 12% emissions reduction by year end 2025.	**2023 Sustainability Report**							No	
ReNew	29% reduction in Scope 1, 2 and 3 from baseline by 2027; Net-Zero by 2040.	**2022-23 Sustainability Report**	FY2021-22	0.47	0.47	1.05	0.33	0.00	No	
Schlumberger	30% reduction is Scopes 1&2 by 2025. 50% reduction in Scopes 1 and 2 by 2030. 30% reduction is Scope 3 by 2030. Net-Zero in Scope 1, 2 and 3 emissions from baseline by 2050.	**2022 Sustainability Report**	2019	46.70	29.12	36.64	32.23	0.00	Yes	
Sembcorp	90% reduction in Scope 1 and 2 emissions by 2030. Net-Zero by 2050.	**2022 Sustainability Report**	2020	5.40	26.17	25.47	2.70	0.00	Yes	
Shell	50% reduction in Scope 1 and 2 emissions from baseline by 2030. Net-Zero Scope 1 and 2 emissions by 2050.	**2022 Annual Report and Accounts**	2016	83.00	68.00	58.00	41.50	0.00	Yes	
Southern Company	50% reduction in Scope 1 emissions from baseline by 2030. Net-Zero Scope 1 emissions by 2050.	**2022 Sustainability Summary**	2007	157.00	82.00	85.00	78.50	0.00	Yes	

INVESTOR NAME	COMMITMENT/ TARGET	SOURCES	MILLION METRIC TONS CO_2E						INCLUDED IN FIGURE *Yes/No*	TABLE NOTES
			Baseline Year	*Baseline Emissions*	*2021 Emissions*	*2022 Emissions*	*2030 Goal*	*2050 Goal*		
TCEnergy	30% reduction in Scope 1 and 2 emissions from baseline by 2030. Net-Zero Scope 1 and 2 emissions by 2050.	**2023 Report on Sustainability**	2019	20.42	21.99	23.25	14.29	0.00	Yes	
Tennessee Valley	Plan for 70% reduction in mass emissions by 2030. Net-Zero by 2050.	**2022 Sustainability Report**	2005	116.00	45.63	48.82	34.80	0.00	Yes	
TEPCO	50% reduction in Scope 1, 2 and 3 emissions from baseline by 2030. Net-Zero Scope 1, 2 and 3 emissions by 2050.	**2023 Integrated report**	2013	139.20	108.05	111.48	69.60	0.00	Yes	
Williams	56% reduction in Scope 1 and 2 emissions from baseline by 2030. Net-Zero Scope 1 and 2 emissions by 2050.	**2022 Sustainability Report**	2005	24.33	12.93	13.87	10.71	0.00	Yes	
TransAlta	75% reduction in Scope 1 and 2 emissions from baseline by 2026; Net-Zero in Scope 1 and 2 by 2045.	**2022 Integrated Report**	2015	32.20	12.50	10.20	8.10	0.00	Yes	2030 goal figure represents 2026 target.
TrønderEnergi	Minimum of 50% reduction from 1990 levels by 2030.								No	
Vistra	60% reduction in Scope 1 and 2 emissions from baseline by 2030. Net-Zero emissions Scope 1 and 2 by 2050.	**2022 Sustainability Report**	2010	173.00	99.00	95.00	69.00	0.00	Yes	

INVESTOR NAME	COMMITMENT/ TARGET	SOURCES	MILLION METRIC TONS CO_2E						INCLUDED IN FIGURE *Yes/No*	TABLE NOTES
			Baseline Year	*Baseline Emissions*	*2021 Emissions*	*2022 Emissions*	*2030 Goal*	*2050 Goal*		
Vontier	45% reduction in Scope 1 and 2 emissions by 2030 from 2020 baseline; Net-Zero Scopes 1, 2, and 3 by 2050.	**2022 Sustainability Report**	2020	0.04	0.04	0.03	0.02	0.00	Yes	
World Fuels		**2022 Sustainability Report**	2019						No	
Xcel	80% reduction in Scope 1 and 2 emissions from baseline by 2030. 100% carbon free electricity by 2050.	**2022 Sustainability Report**	2005	78.64	39.17	38.72	15.73	0.00	Yes	

ENDNOTES

Cover Photo: Jaël Vallée on **Unsplash**

1 AUM as of 03/31/2024

2 A full list of reporting companies is available upon request.

3 Data as of 1.9.24.

4 The U.S. transmission and distribution system totals an estimated 5.7 million miles of lines. **https://www.nae.edu/19579/19582/21020/183082/183133/The-US-Electric-Power-System-Infrastructure-and-Its-Vulnerabilities**

5 For the purpose of measuring impacts and reporting ESG performance, we include all companies in this report in which we had equity or loan investments for at least six months of 2023. If we invested in a company after July 1st, 2023 it will be included in next year's report but is not reported here. If we exited a company prior to July 1, 2023 it will have reported in last year's impact report but is not included here. This is a conservative approach to reporting impacts, as we are entirely omitting partial year impacts from companies we exited or acquired for less than half the year. Additionally, certain reporting companies may not have provided EIP with complete sets of requested data. In those events and dependent on the amount of data received, EIP has either omitted these companies from the respective ESG performance metrics, or conducted a conservative proxy estimate for such companies' greenhouse gas emissions.

6 For more definition and discussion of foundational technologies please refer to EIP's 2022 white paper Know Your Impact and prior EIP impact reports.

7 Quote from pdf downloadable from **this site**

8 Sources with attribution are available upon request.

9 Based on **EIA average U.S. residential prices Dec 2023** and 1000 kWh/month assumed customer usage.

10 Rhode Island energy advanced : metering functionality business case and cost recovery proposal : docket no. 22-49-EI, Open meeting notes Sept. 27, 2023, item 3c.

11 "Hearings start today on Georgia Power's plan to burn more fossil fuels", Atlanta Journal Constitution, Jan 16 2024.

12 "Duke Energy provides resource plan update to South Carolina regulators that reflects state's booming population, economy", Duke Energy, Jan 31, 2024.

13 "FirstEnergy increases 5-year spending plan 44%, to $26B, drops 2030 carbon goal", Utility Dive, Feb 12, 2024.

14 "2023 Long Term Reliability Assessment", NERC, Dec 2023

15 See Project Frame methodology report, Pre-Investment Considerations: Diving Deeper into Assessing Future Greenhouse Gas Impact, April 2023, p. 7 *et seq.*

16 **https://ghgprotocol.org/corporate-standard**

17 **https://carbonaccounting financials.com/standard**

18 See the technical appendix for further information.

19 **https://www.iea.org/reports/global-methane-tracker-2024** acc. 4.2.24

20 **https://www.iea.org/reports/net-zero-roadmap-a-global-pathway-to-keep-the-15-0c-goal-in-reach/a-renewed-pathway-to-net-zero-emissions** acc 4.2.24, reporting that hydrogen produces 4% of 40GT reductions in GHGs by 2050.

21 For example, we expect the electricity grid to become less carbon-intensive over time as we progress toward a net-zero energy economy. The savings from technologies such as solar panels, which displace grid power over several decades, therefore decline steadily in our calculations.

22 This results in a mixture of time streams for this category of enabled savings. Because we employ the first five years whenever they begin, our calculations do not change if the first year of commercial operation shifts.

23 **https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator**

24 **https://www.epa.gov/watersense/how-we-use-water**

25 **https://greenly.earth/en-us**

26 Previously, we used an extremely broad intensity measure applicable to all commercial buildings from the U.S. Energy Information Administration (EIA). Our offices are all in traditional (typically multistory) office buildings, which have a lower emissions intensity per square foot than many other types of commercial buildings. In addition, most of our offices are LEED Certified buildings. EIP's offices in New York, San Francisco, Washington D.C., and Atlanta are all located in LEED Gold buildings: **https://www.usgbc.org/projects/**

27 **https://www.epa.gov/system/files/documents/2023-03/ghg_emission_factors_hub.pdf**

28 Further details on the restatement will be provided in the forthcoming technical appendix.

29 This has, in part, been enabled by the addition of Mill devices to our New York City, Washington D.C., and Atlanta offices. In addition to proudly supporting one of our outstanding portfolio companies, our Mill devices have allowed us to minimize the amount of food waste generated in our offices, including from the many events that are hosted in our New York City headquarters.

30 Includes restated figures

31 This figure does not include William Industrial Services due to lack of necessary data

32 **https://carbonaccountingfinancials.com/standard**

33 Some figures rounded

34 **https://www.eea.europa.eu/en/topics/in-depth/transport-and-mobility?activeTab= fa515f0c-9ab0-493c-b4cd-58a32dfaae0a**

35 US Department of Energy, from Canary Media Article linked here: **https://www.canarymedia.com/articles/ev-charging/5-charts-that-shed-new-light-on-how-people-charge-evs-at-home**

36 **https://www.metric-esg.com/**

37 BCorp Score for EV.energy: **https://www.bcorporation.net/en-us/find-a-b-corp/company/ev-dot-energy-limited/**

BCorp Score for Greenly: **https://www.bcorporation.net/en-us/find-a-b-corp/company/greenly/#:~:text=Overall%20B%20Impact%20Score,an%20overall%20score%20of%2095.3.**

BCorp Score for Project Canary: **https://www.bcorporation.net/en-us/find-a-b-corp/company/project-canary/#:~:text=Based%20on%20the%20B%20Impact,the%20assessment%20is%20currently%2050.9.**

38 Organic net new hires, calculated as "New hires (the number of FTE joining the company, excluding hires that result from M&A) less turnover (the number of FTE leaving the business, excluding those from M&A) during a given calendar year. Excludes any FTE growth or decline due to a business acquisition or business unit divestiture

39 **https://www. forbes.com/lists/americas-best-startup-employers/ ?sh=2bd076aa2ad7**

40 As of 12/31/2023; Senior staff corresponds to Vice-President level and above; Defined for 2023 as Black, Latinx, Native American, Alaska Native, Pacific Islander, Underrepresented Asian (Filipino, Hmong, Vietnamese) for US employees, or, in international contexts, as otherwise defined by local governments.

41 77 reporting companies.

42 79 reporting companies.

43 77 reporting companies.

44 79 reporting companies.

45 66 reporting companies.

46 67 reporting companies.

47 64 reporting companies.

48 79 reporting companies.

49 **https://news.crunchbase.com/diversity/venture-funding-black-founded-startups-2023-data/**

50 Latinx data is limited at the time of the report publication.

51 **https://supplier.io/resources/reports/2023-economic-impact-report**

52 **https://news.crunchbase.com/diversity/venture-funding-black-founded-startups-2023-data/**

53 **https://supplier.io/resources/reports/2023-economic-impact-report**

54 Bookings refer to the aggregate contracted revenue for the full terms of commercial agreements between EIP portfolio companies and (a) an LP or (b) a third party with whim EIP has facilitated a relationship.

55 The utility number is the aggregate of each portfolio companies' number of utilities served and is therefore not unique. Tesco is excluded because it already serves 3345 utilities, approximately all utilities in North America.

56 Contract refers to a signed commercial agreement between a portfolio company and (a) an LP or (b) a third party with whom EIP has facilitated a relationship.

57 Contract refers to a signed commercial agreement between a portfolio company and (a) an LP or (b) a third party with whom EIP has facilitated a relationship.

58 Bookings refer to the aggregate contracted revenue for the full terms of commercial agreements between EIP portfolio companies and (a) an LP or (b) a third party with whim EIP has facilitated a relationship.

59 Bookings refer to the aggregate contracted revenue for the full terms of commercial agreements between EIP portfolio companies and (a) an LP or (b) a third party with whim EIP has facilitated a relationship.

60 Most commitments include both Scope 1 and 2, but some vary. Many partners have also made Scope 3 commitments, but these are more difficult to depict on an aggregate basis. See Appendix Table II for all details on all publicly reported commitments.

61 Baseline years are frequently 2005 but vary company by company. See Appendix Table II for all data related to this figure.

62 Some companies have set interim targets for years between 2027 and 2040; in these cases we report bespoke interim targets. See Appendix Table II for details.

63 **https://rhg.com/research/us-greenhouse-gas-emissions-2022/** acc. 3.6.24. We emphasize that the partial coalition shown omits members who have not made pledges at all, which biases the figures on the chart downward. However, this is offset in part by certain other coalition members who have made large but non-public GHG reduction commitments.

64 All strategic investors with public data on all five time periods. Amazon, Avalon Bay, Axpo, Banpu, Burns & McDonnell, Chubu, Entergy, First Energy, Hawaiian Electric, Mainova, Park Hotels, Pembina, Public Storage, Tronder Energi and World Fuels have GHG commitments but are not shown on this chart—see Appendix Table II. On this chart, baseline years are combined in one bar but vary by company. Most data are Scopes 1 and 2 only; see Appendix Table II for full details and sources.