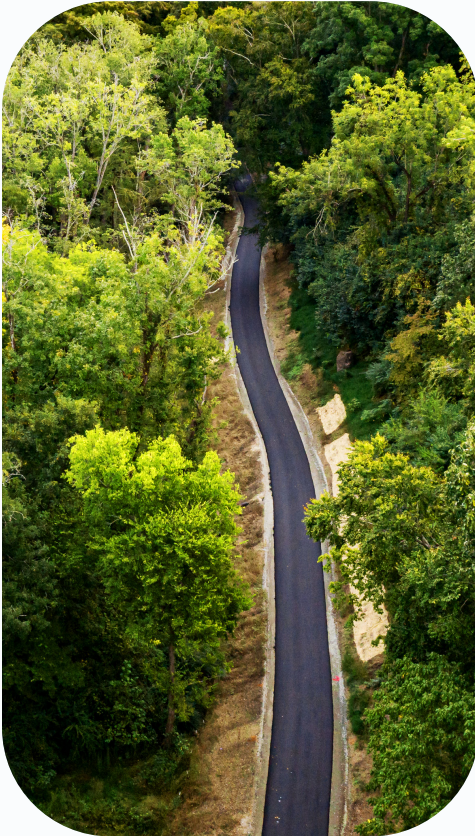


COMMITMENT TO A  
CARBON-FREE  
FUTURE



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# DEAR PARTNERS, CLIENTS, AND COLLEAGUES,

At Point Energy Innovations, we believe the work we do today has the power to shape a better future. The buildings we design, the systems we engineer, and the decisions we make aren't just about creating spaces—they're about creating a healthier, more sustainable world for everyone.

As owners of PEI, this mission is deeply aligned with our beliefs. We hold the belief that engineering can drive meaningful change, and decarbonization has always been at the heart of that vision. The climate crisis is a challenge of our time, but it's also an opportunity to redefine how we live, work, and build—one project at a time.

Our commitment to decarbonization isn't just a professional responsibility; it's a shared passion. We are committed to advancing all-electric, zero net carbon building solutions that don't just reduce emissions but improve lives—especially for those most impacted by climate change. Whether it's through reimagining MEP systems or collaborating on policies that prioritize sustainability, we see our role as part of a much larger movement to create a cleaner, more equitable future.

We know this work is only possible through collaboration. Decarbonization isn't something we can achieve alone—it requires the collective effort of everyone in our community, from the clients who trust us to design their projects to our incredible team who make the vision a reality. Together, we're pushing boundaries, challenging assumptions, and finding solutions that will leave a lasting impact.

This isn't just a professional commitment for us; it's a deeply personal one. And it's why we're so grateful to work alongside all of you—our partners, clients, and colleagues—who share our vision and values.

Thank you for your partnership, trust, and commitment to building a better world. The road to decarbonization is long, but together, we know we can make it happen.

Warm regards,

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MANAGING PRINCIPAL



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# COMPANY GOALS



*Pier 70's all-electric design utilizes high-efficiency heat pumps to reduce energy use and carbon emissions, setting a new standard for sustainable building systems.*



# MISSION STATEMENT



*700 Grayson features all-electric, high-efficiency systems and passive design to reduce carbon emissions and optimize energy use.*

**Our mission is to decarbonize the built environment and drive the transition to a sustainable, all-electric, zero-carbon future. We design systems that directly tackle the urgent need to reduce carbon emissions, ensuring today's buildings contribute to a cleaner and healthier planet.**

Decarbonization is at the heart of everything we do. By leveraging engineering expertise and challenging traditional practices, we create innovative, high-performance solutions that lower energy consumption and eliminate reliance on fossil fuels. Our designs prioritize energy efficiency, renewable integration, and practical pathways to achieving net-zero carbon goals.

Collaboration plays a critical role in achieving meaningful progress. We work closely with clients, architects, and stakeholders to align on solutions that integrate seamlessly into projects while

addressing environmental and economic priorities.

We focus on making decarbonization affordable. Through optimized designs and right-sized systems, we help clients reduce costs while advancing carbon reduction strategies. Whether developing budget-conscious decarbonization solutions or creating a clear pathway to full electrification, we tailor our approach to meet each project's unique needs. Respect for occupants and the environment drives our process, ensuring designs that are sustainable, comfortable, and future-ready.

We are inspired by clients who share our vision of a decarbonized future. Together, we are reshaping the built environment to create resilient, energy-efficient spaces that lead the way in combating climate change. At Point Energy Innovations, we are proud to be at the forefront of this vital transformation.

# SOCIAL EQUITY AND INCLUSION

**At Point Energy Innovations, we are committed to fostering a diverse, equitable, and inclusive environment that supports not only the people we work with but also the communities we serve. Our team is proudly made up of individuals from a variety of ethnic backgrounds, genders, and perspectives. We strongly believe that a mix of voices—across color, culture, and gender—leads to stronger teams, better designs, and more impactful projects.**

We believe that the future of sustainable building practices is built on a foundation of equity and collaboration. Our approach to engineering and design is driven by the belief that everyone, regardless of background or circumstance, should have access to clean, healthy, and energy-efficient spaces.

We recognize that the transition to a decarbonized built environment presents both challenges and opportunities for creating a more inclusive future. By prioritizing

sustainable, all-electric, and decarbonized building solutions, we aim to reduce environmental disparities and ensure that marginalized communities are not left behind in the shift to a cleaner, more resilient future.

We are dedicated to advancing social equity within our projects, from actively supporting underrepresented communities in the building sector to providing accessible energy-efficient solutions that improve quality of life for all. Our work is not only about creating efficient systems but also about shaping a more just and sustainable world, where every person, regardless of their socioeconomic status, can experience the benefits of innovation and decarbonization.

At Point Energy Innovations, diversity, inclusion, and sustainability are intertwined in everything we do—shaping a built environment that reflects the values of equity, resilience, and environmental stewardship.



# WE ARE MAKING THE COMMITMENT TO BE A NET ZERO ORGANIZATION BY **2030**

## OPERATIONAL CARBON

Decarbonization and the environment have been on our mind since PEI was founded in 2014. Since then we have been at the forefront of building decarbonization and efficiency. We've also continued our effort in outreach and education through our various classes, seminars and community outreach.

We will achieve our commitment to decarbonization and pursue a 1.5C aligned science based target for our emissions. We will compensate for hard-to-decarbonize emissions with certified greenhouse gas removal.

### TO ACHIEVE NET ZERO EMISSIONS IN OUR OPERATIONS BY 2030 WE WILL,

- Reduce Scope 1 and 2 GHG emissions 50% by 2028 from a 2025 base year.
- Reduce Scope 3 GHG emissions 50% by 2028 from 2025 base year.
- Purchase Gold Standard certified offsets that remove greenhouse gases to offset all domestic and international flights.
- From 2030 onward, compensate for other residual hard-to decarbonise emissions with high quality certified greenhouse gas removal.

Every part of our firm has a role to play in our push for decarbonization. We will be committing to the following to ensure we achieve our goal:

### TO ACHIEVE OUR NET ZERO EMISSIONS MILESTONE WE WILL, AS A FIRM,

- Develop a GHG Management plan which will identify priorities for action to reduce our scope 1, 2, and 3 emissions.
- Purchase only renewable energy for consumption in our office and advocate for decarbonization in our office buildings.
- Review our office purchasing practices to reduce consumption, and minimise waste.
- Assess employee transportation and alternative working practices to incentivise greener commuting and travel.
- We will analyse our carbon usage every year to re-prioritize action items or identify new areas for focus.



# DECARBONIZING DESIGN

As engineers, our carbon footprint expands beyond just our offices into the buildings and systems we design. **We are making the commitment to continue our leadership role in the field and advocate for greener buildings and design.**

- We are formalizing our commitment to all-electric design as our standard practice—a principle that has **guided Point Energy Innovations informally since the very beginning**
- All employees will be trained in all electric and decarbonized design principles.
- We will request low global warming potential refrigerant options for all equipment specified.
- We will request environmental product declarations for each piece of equipment we specify and provide environmental product declarations as a part of cutsheet packages.



*External shades, as showcased here on Point Energy Innovations' 1951 Harbor bay Parkway project, are key to reducing cooling loads, improving energy efficiency, and advancing building decarbonization.*

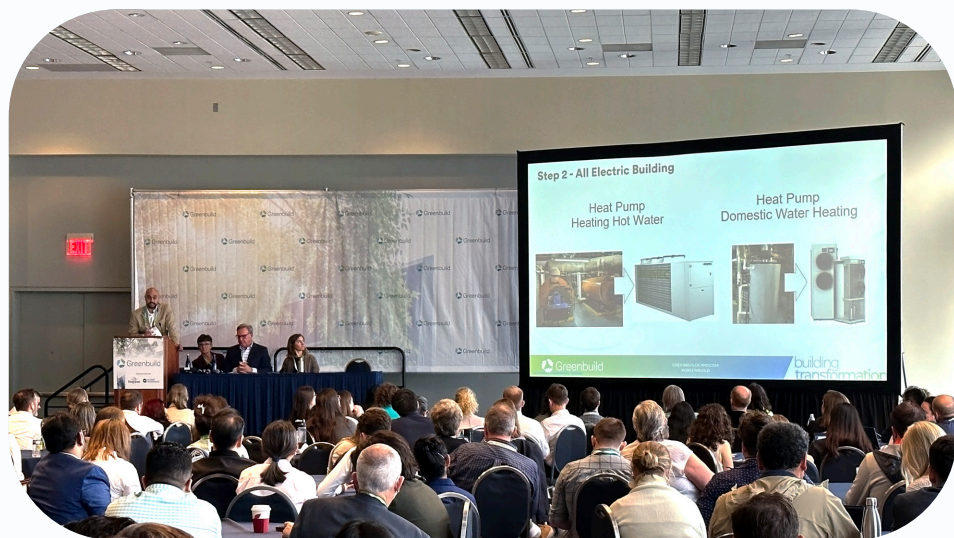
# TEAM WORK

Achieving our decarbonization goals requires a collective effort. To that end, we are committed to equipping every team member with the knowledge and training necessary to excel in decarbonized design. Beyond technical expertise, we will ensure that everyone on our team understands our carbon commitment and the vital role they play in advancing our shared mission to create a sustainable, all-electric future.





# COMMUNITY OUTREACH





# LEADERSHIP AND COLLABORATION

We are one of the country's only MEP Engineering firms which specializes in projects where contractors are part of the design process. We have deep experience with Design Build, Design Assist and Integrated Project Delivery projects. When we team with the contractors, we find the cost effective solutions that deliver high performance buildings. We align them with our goal of helping clients build MEP systems that optimize energy, occupant health, comfort and well being.

Our team is made up of accomplished and highly skilled engineers, who are creative yet practical. Our engineers have pioneered innovations in green buildings and bring decades of experience designing the world's lowest energy projects. Each team member has exceptional communication skills, as we feel clear dialogue is the key to a balanced and successful project. PEI aims to work for and with the community in order to target real sustainability goals for a better, cleaner future.



# CONTINUING EDUCATION AND LUNCH & LEARNS



In order to build collaboration both internally and externally, PEI hosts lunch and learns with various vendors each month. These sessions consist of a lunch and presentation by industry representatives to learn more about the products that PEI recommends in decarbonization projects. Sustainability and innovation are engrained within PEI's mission. These sessions work to not only educate the team on the latest innovative technologies offered in industry, but also to bridge collaboration with industry partners to continue sustainable efforts in the MEP space.



# COMMUNITY INVOLVEMENT

Our firm's leadership has set an example for fellow team members to work with and for the community. Each team member is dedicated to community involvement, outside of work, within MEP organizations, education-based initiatives, volunteer opportunities, and advisory boards for sustainable innovation. We as a company are a part of the US Building Green Council.

## DECARBONIZATION LEADERSHIP



- PEI's leadership serves on an industry advisory board for the first two CO2 refrigerant heat recovery chillers installation in the United States
- PEI has presented at numerous conferences, on a wide variety of decarbonization topics, leading the decarbonization effort across the country and global stage. Some of these conferences include Greenbuild, ASHRAE, and AIA.
- 82% of the staff at PEI are active members of the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE).

## EDUCATION



- PEI teaches community-focused decarbonization and energy-efficient design classes through PG&E's continuing education program.
- Founder Peter Rumsey established Stanford's Building Decarbonization Learning Accelerator, an online resource for educators to prepare future building professionals. PEI actively updates this tool with new content.
- PEI's leadership frequently guest lectures at universities. Alyse Falconer has lectured at Cal Poly San Luis Obispo, North Carolina State University, and UC Berkeley's Graduate Architectural Studio Course.
- Alyse Falconer contributes to EngineerGirl, inspiring girls and women to explore engineering careers by answering their questions on the platform.
- PEI's leadership serves on the California State University Mechanical Review Board, supporting all CSU campuses statewide.

## EQUITABLE DECARBONIZATION



- In efforts to reach decarbonization goals in an equitable manner, PEI provides a 20% discount to project work in partnership with nonprofit organizations, such as CURYJ, the Kelsey and others.
- PEI is actively seeking out community based partnerships to reach climate goals.

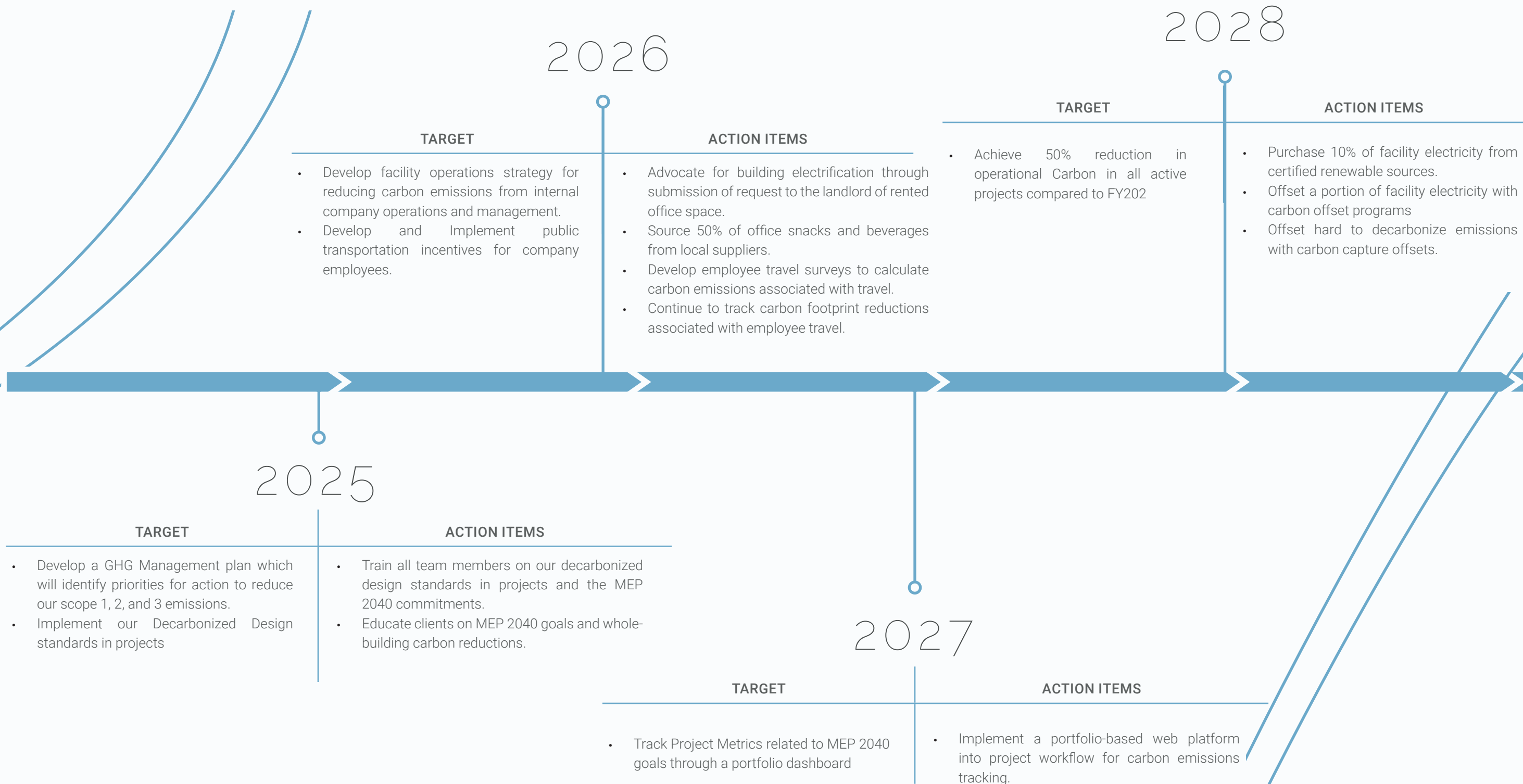
## SERVICE AND ENGAGEMENT



- We are actively pursuing volunteer-based opportunities with organizations such as Habitat for Humanity, Engineers without Borders, CECorps, tree plantings, etc.
- We host and run fundraising events that support local businesses and organizations. You can find our upcoming events on our website or Linked-In.

# T I M E L I N E

"ALL SYSTEMS ENGINEERS SHALL ADVOCATE FOR AND ACHIEVE NET ZERO CARBON IN THEIR PROJECTS: OPERATIONAL CARBON BY 2030 AND EMBODIED CARBON BY 2040."



2035

TARGET

- Develop facility operations strategy for reducing carbon emissions from internal company operations and management.
- Develop and Implement public transportation incentives for company employees.

ACTION ITEMS

- Advocate for building electrification through submission of request to the landlord of rented office space.
- Source 50% of office snacks and beverages from local suppliers.
- Develop employee travel surveys to calculate carbon emissions associated with travel.
- Continue to track carbon footprint reductions associated with employee travel.

2038

TARGET

- Achieve 75% reduction in embodied carbon in all active projects compared to FY2030.

ACTION ITEMS

- Develop an internal sustainable materials library for active and future projects.
- Begin to include verified carbon sequestration projects for client investments in deliverables.

2040

ACTION ITEMS

- Continue tracking carbon emissions, reduction strategies, and improvements.
- Require less-carbon intensive materials in projects.
- Require low-carbon concrete mixes for new building designs.

TARGET

- Achieve and advocate for net zero embodied carbon in 100% of active projects.

2036

TARGET

- Require all active project work to utilize online portfolio platforms to track carbon emissions and goals.

ACTION ITEMS

- Include a carbon-tracking platform as part of all contracted work.

2030

TARGET

- Achieve net zero operational carbon in all active projects compared to FY2025.

ACTION ITEMS

- Offset 100% of facility electricity from certified renewable sources.
- Source 100% of office goods, snacks and beverages from local suppliers.



#### CREDIT

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