



# BEYOND NEUTRAL

2022 Annual Report

climatepositive  
design

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## **2022 Year In Review**

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## **Call to Action**

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Cover Image: Mural hand painted by the Fearless Collective at the COP27 Egypt Youth Pavilion, which creates public art interventions with women. The second week of the conference opened with a focus on water, women and continued negotiations on 'loss and damage'.

# Climate Positive Design's mission is to have a positive impact on climate change in the exterior built and natural environment.

By providing free and accessible tools, resources, and guidance.

## Why?

According to UN Habitat, the urban built environment is responsible for 75% of global greenhouse gas (GHG) emissions. To prevent irreversible climate impacts to humanity and the planet, we must take action now.

Not only do those responsible for the design, construction, and maintenance of the exterior built environment share the responsibility of reducing those emissions, but through landscapes, we can actively take carbon dioxide out of the atmosphere. Through thoughtful design and measurement, projects remove more carbon than they emit while providing ecological, social, and economic co-benefits. They can become climate positive – simultaneously advancing resilient, biodiverse, and equitable communities while helping stay within the 1.5°C carbon budget.

Climate Positive Design (CPD) was founded in 2019 as part of a research initiative supported by the Landscape Architecture Foundation Fellowship for Innovation and Leadership. The initiative is grounded in the following:

## Education, Advocacy, and Design

Pamela Conrad leads the initiative in collaboration with the following Advisory Partners and team members. All Contributors that log project impacts are listed on the website [www.ClimatePositiveDesign.com](http://www.ClimatePositiveDesign.com).

## Who can contribute?

Landscape architects, designers, planners, related disciplines, organizations, municipalities, developers, academic institutions, students, property owners, and many more ...



**Pamela Conrad**  
PLA, ASLA, LEED AP  
Founder

"I grew up on a farm in the mid-western United States. I loved everything about the trees, plants, animals, and water that was part of our everyday life. This is why I became a landscape architect. Embedded with a deep sense of responsibility for our environment, I am committed to doing everything I can to help us make a positive impact on climate change."



Over **40** volunteers  
 from **30+** organizations  
 in **6** different countries  
 for **ONE CAUSE**

**RESEARCH & DESIGN**



Ed Mazria  
Architecture 2030



Vincent Martinez  
Architecture 2030



Erin McDade  
Architecture 2030



Jamie Jang  
Architecture 2030



Eustacia Brossart  
Climate Positive Design



Deanna Lynn  
ASLA



Greg Barger  
CMG



Kate Lenahan  
CMG



Kristen diStefano  
Ateller Ten



Prateek Jain  
Ateller Ten

**ADVISORY PARTNERS / COLLABORATORS**



Torey Carter-Conneen  
ASLA



Katie Riddle  
ASLA



Jared Green  
ASLA



Kotchakorn Voraakhom  
IFLA



Lisa Richmond  
Architecture 2030



Barbara Deutsch  
LAF



Chris Hardy  
ASLA/LAF/Sasaki



Martin O'Dea  
AILA



Claire Martin  
AILA



Dilraj Watson  
Landscape Institute



Vaughn Rinner  
ASLA



Sarah Fitzgerald  
ASLA



Diane Jones Allen  
ASLA



Jose Alminiana  
ASLA



Kevin Conger  
CMG



Chris Guillard  
CMG



Willett Moss  
CMG



Martha Schwartz  
ASLA/MSP



Colleen Mercer Clarke  
CSLA/IFLA



Hope Parnham  
CSLA

**TECHNOLOGY**



Edan Weis



Tyler Maisano



Cameron Nimmo



Larry Lague



Antoinette Marty



Lauren Peters Lague  
Catapult



Anne Donnard  
Emerson Blue



Kira Gould  
Kira Gould CONNECT



Paulina Tran  
CMG



Jamie Yousten  
CMG

**COMMUNICATIONS/ART DIRECTION**

## Tools. Resources. Guidance.

The **Climate Positive Design Challenge** establishes carbon performance targets for projects to accomplish. The goal is to increase carbon sequestration and reduce and offset emissions within the site as soon as possible, taking more carbon dioxide (CO<sub>2</sub>) out of the atmosphere than emitted and becoming climate positive.

Although current “business as usual” practices show emissions greater than sequestration on site design projects, CPD’s tools, guidance and resources support the following:

### For all site design projects to:

- **take more CO<sub>2</sub> out of the atmosphere than emitted by 2030** and
- **by 2050 to remove 1 gigaton of CO<sub>2</sub> beyond offset emissions** to support preventing the 1.5°C temperature increase and remaining 340GT carbon budget

Removing 1 gigaton from the atmosphere by 2050 would place this initiative in the top 80 Solutions listed in “Drawdown”, by Paul Hawken. “Drawdown” is a comprehensive plan that identifies strategies when combined together by 2050 would reduce GHG concentrations on an annual basis, thus reversing global warming.

### Targets are established as follows:

- **5 years to positive** for parks, residential, on-structure, mixed-use or campus developments
- **20 years to positive** for streetscapes or plazas

Targets were informed by case studies and a design toolkit that outlines strategies is provided on the website: [www.ClimatePositiveDesign.com](http://www.ClimatePositiveDesign.com)

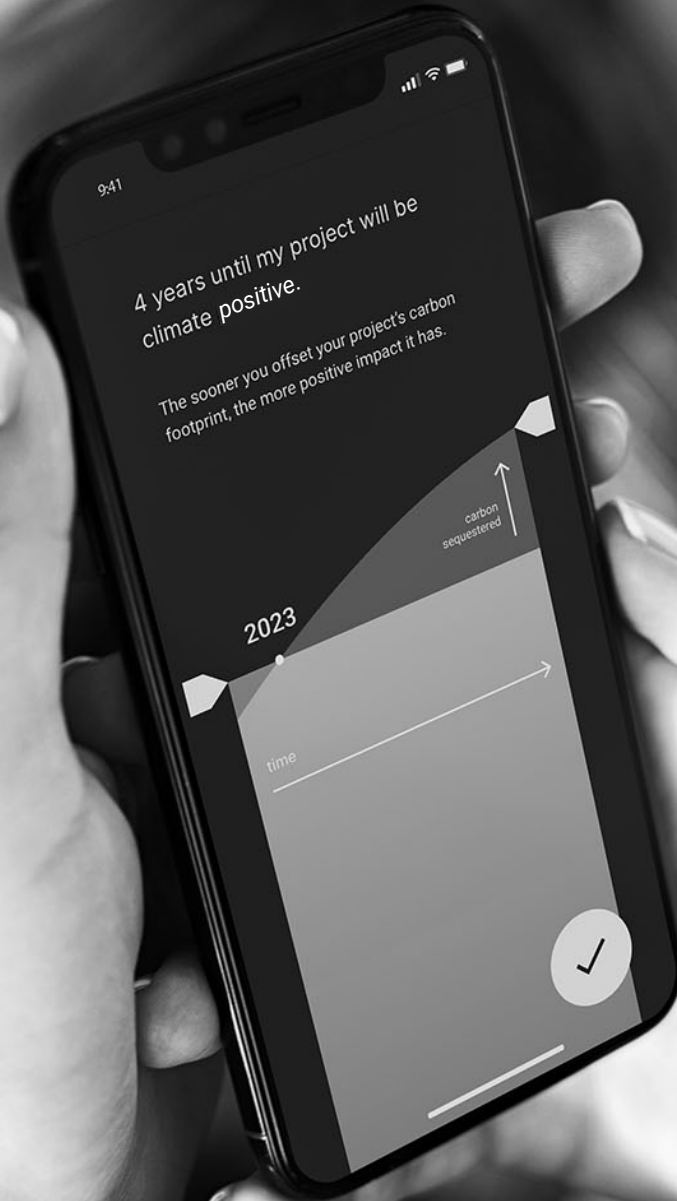


To meet the goals of the Challenge users log projects into the free, web-based application called the **Pathfinder**. By inputting basic material and plant quantities along with maintenance plans, it calculates embodied and operational carbon emissions along with carbon sequestration. The time it would take for the project to offset its emissions is calculated giving a “climate positive” score, and the Pathfinder provides guidance on ways to reduce emissions and increase sequestration to improve the score and meet the goals of the Challenge.

A scorecard is provided that can be shared with others and projects can be updated at any point in time.



The methodology and metrics have been evaluated to align with industry standards by the environmental consulting firm Atelier Ten. Sequestration data is derived from the US Forest Service and embodied carbon values are from the Athena Impact Estimator and Environmental Product Declarations (EPDs). A full report is available on the website.



## Impact

The **Climate Positive Design Challenge** launched on September 30, 2019 to culminate a month of the largest climate activism events in history. Most recently the statistics through the second year were collected and shared at COP27 and the 2022 American Society of Landscape Architecture (ASLA) Conference.

Active tracking, recording, and analysis by a data analytics expert allows for understanding a comprehensive global impact of the initiative's impact on climate change – a contribution that has been relatively unknown to date.

The Advisory Partners review the data collected on an annual basis and advise on whether the targets should be modified based on how well contributors are meeting the goals.

Although the data collected in the early stages of any initiative carry the highest level of uncertainty possible, the statistics from the first three years provide a promising glimpse into the potential impact of this initiative. As recorded, the impact of the projects logged within the first three years show:

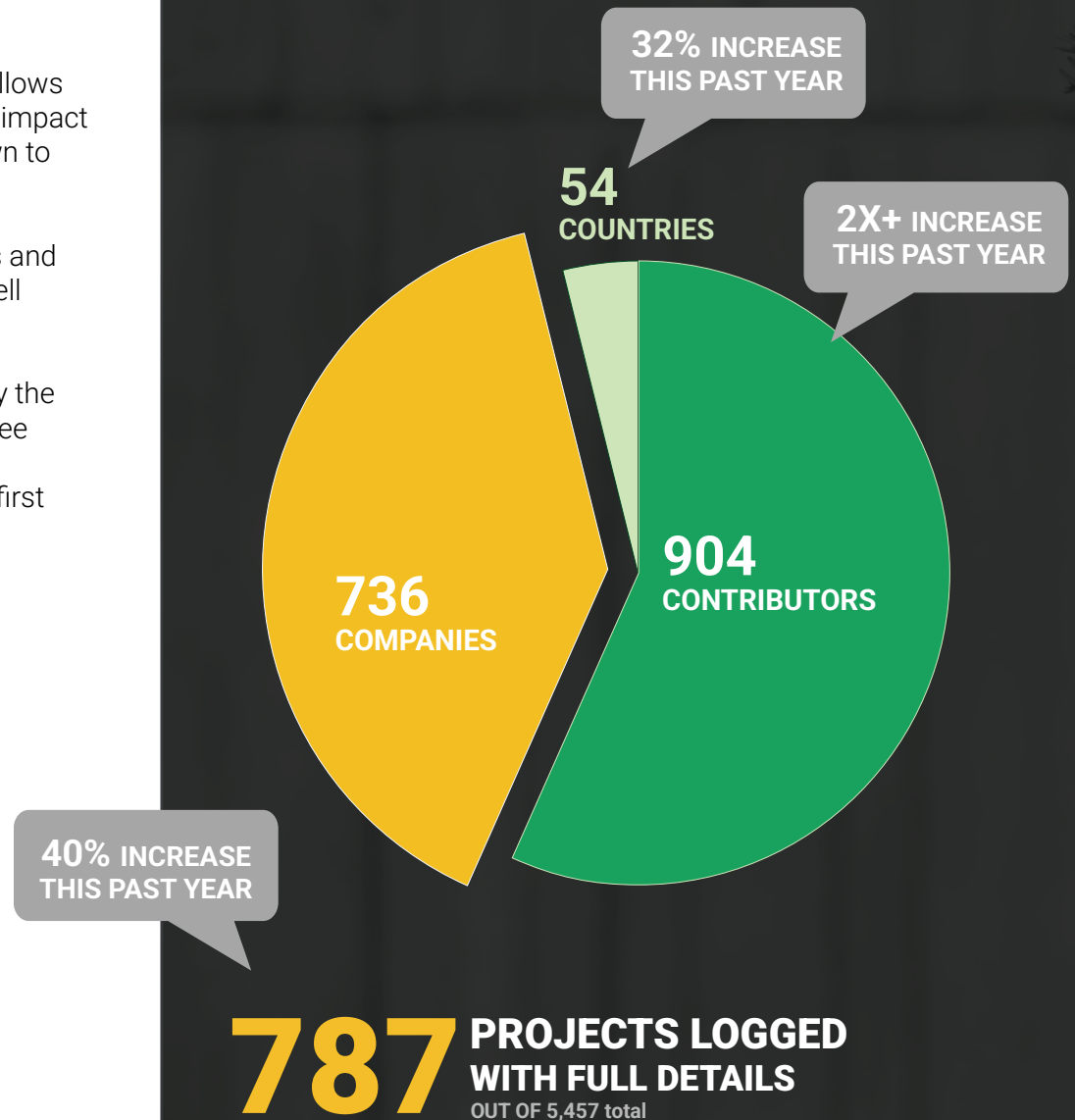
### Impact by 2040

2.3 million tonnes of CO<sub>2</sub>  
sequestered beyond offsetting project emissions

### Impact by 2050

5.2 million tonnes of CO<sub>2</sub>  
sequestered beyond offsetting project emissions

## OFFICIAL PROJECTS LOGGED IN PATHFINDER from the first three years ...



CUMULATIVE CARBON IMPACTS EQUAL

**1.7 million**  
TREES TO BE  
PLANTED



2.3 million tonnes of CO2 removed by 2040  
5.2 million tonnes of CO2 removed by 2050  
BEYOND EMISSIONS OFFSETS



CO2 SEQUESTRATION  
BEYOND EMISSIONS  
EQUIVALENT TO

> **495,652**  
**2,419,565**

> \*CARS REMOVED  
FROM THE ROAD BY

> **2040**  
**2050**



\* Based on 2020 EPA Average car emits 4.6 metric tons per year. US EPA 2020: <https://www.epa.gov/greenvehicles/greenhouse-gas-emissions-typical-passenger-vehicle>



## Advocacy

**In 2022, planners, designers, and policy makers associated with the built environment around the world united to stand against climate change.** At COP27, Architecture 2030, the International Federation of Landscape Architects (IFLA), the American Society of Landscape Architects (ASLA), Bellona Europa and associated organizations called upon governments to ramp up their 2030 emissions reduction targets, to limit planetary warming in line with the remaining global 1.5°C carbon budget. In particular, the **Architecture 2030 event focused on solutions by and for the Global South**, led by Lisa Richmond, Architecture 2030 Senior Fellow.

To reinforce the 2021 COP26 Communique, and IFLA Climate Action Commitment, representing over 70,000 landscape architects in 77 nations, **the Australian Institute of Landscape Architects and ASLA have developed climate action plans** committed to advance the UN Sustainable Developments Goals, attain zero emissions by 2040, enhance capacity and resilience of liable cities and communities, advocate for climate justice and wellbeing, learn from cultural knowledge systems, and galvanize climate leadership. The **ASLA Climate Action Plan** drafting process was led by Pamela Conrad and as an ASLA delegate it was **presented at COP27, in addition to Embodied Carbon reductions with Bellona Europa and Nature-Based Solutions events** in the Thailand Pavilion with Kotchakorn Voraakhom, IFLA's Climate Change Working Group Chair.

**ASLA's Climate Action Plan** was unveiled by ASLA CEO Torey Carter-Conneen **in San Francisco, California** at the annual ASLA conference. The **Climate Action Plan** and member's **Field Guide** to taking climate action is now available free and open to the public. The Task Force included ASLA members Vaughn Rinner, Sarah Fitzgerald, Diane Jones Allen, and Jose Alminiana.

Both climate action plans can be downloaded here:

AILA: <https://www.aila.org.au/Web/Web/Values/Climate-Positive-Design.aspx>

ASLA: <https://www.asla.org/climateactionplan.aspx>





## Education and Awareness


While the underlying intent of the initiative is to reduce greenhouse gas emissions and increase carbon sequestration, **providing accessible educational information is the engine behind that impact.**

Academic study or test case project data is not included in the full carbon impact summary on page 7 and 8, however, the statistics shown to the right highlight the overall contribution towards increasing education and awareness around the globe.

### TOTAL PROJECTS INCLUDING ACADEMIC/STUDY



**5,457**  
PROJECTS LOGGED



**118 COUNTRIES**  
1,567 STUDENTS/UNIVERSITIES  
**2,164 COMPANIES**  
**3,731 CONTRIBUTORS**

### INCREASING AWARENESS



**195,655**  
PAGE VIEWS



**44,504**  
PEOPLE REACHED  
VIA WEB RESOURCES



**112**  
LECTURES

## COUNTRIES WITH MOST USE OF WEBSITE RESOURCES



**175** COUNTRIES REACHED  
OUT OF **195** IN THE WORLD

## Education

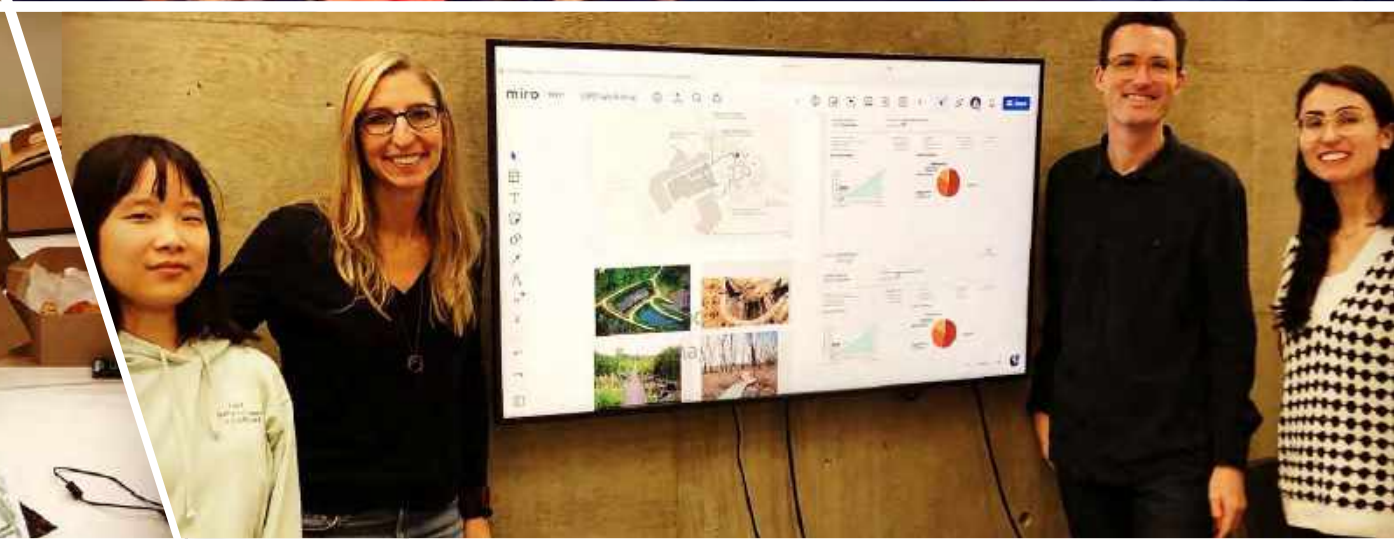
In 2022, Pamela Conrad was selected as one of nine fellows to be welcomed into the **Harvard Graduate School of Design Loeb Fellowship**. The Loeb Fellowship is designed for civic leaders, journalists, architects, technologists, urban planners and designers, activists, landscape architects, policy makers, and public artists who come from around the world to the Harvard Graduate School of Design (GSD) with **one purpose: to make the world a better place for all.**

During this time, Conrad has served as a studio critic and lecturer for Harvard, Penn State and UVA, MIT, and led the **Climate Positive Design Workshop** for the GSD January-Term. Students gained practical hands-on experience in designing low-carbon resilience communities with the benefits of health, equity and biodiversity, while learning how to apply the Pathfinder tool to their projects.

Pamela also served as a mentor to Laura Robinson, a **Climate Justice Design Fellowship** (CDJF) awardee, and guest critic to reviews for the entire CDJF fellow cohort. Laura's project focused on developing a tool to help implement tree planting in underserved schools and her final product as well as the other fellows' can be found online here:

<https://climatefellowship.org>






# 2022 CPD Challenge Project Top Contributors

Climate Positive Design is **proud to acknowledge the 2022 top contributors** whose work is highlighted on the following pages. Thank you to all that have supported the initiative to date.



The background of the slide is a collage of images related to green roofs. On the left, there's a close-up of a green roof with young plants in a metal tray. On the right, there's a view of a red brick building with a green roof, with modern skyscrapers in the background. The text is overlaid on a semi-transparent white box in the upper left.

“Green roofs reduce the load on drains, improve the thermal insulation of buildings, and serve as a new home for urban flora and fauna. In addition, **green roofs can help combat the urban heat island effect as they increase the roof’s albedo.**

Our team decided to create an open green roof **laboratory to evaluate the impact green roofs have on the climate in their location.”**



OPEN LAB  
Sayan group and  
Landscape Engineers Guild Team



# Feature Project / Liverpool Waters Central Park

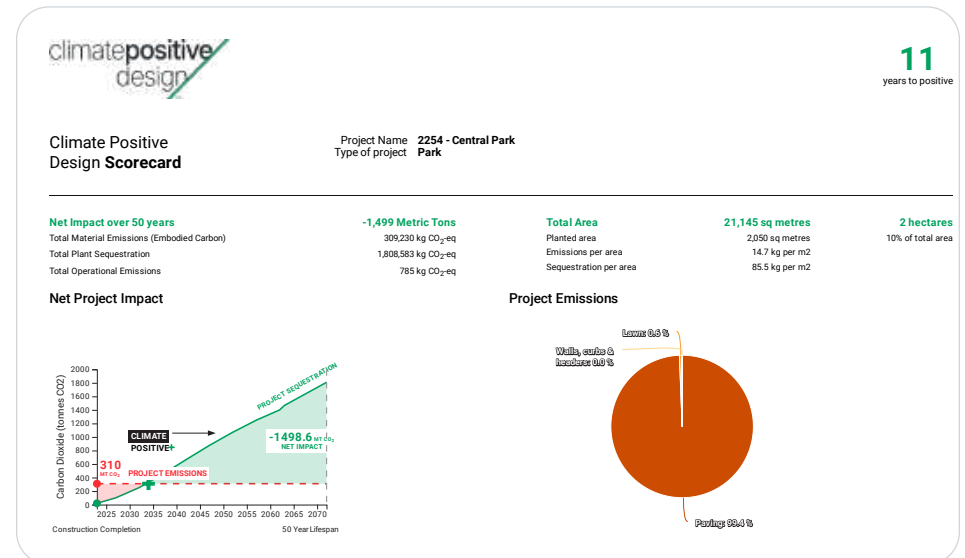
|              |  |
|--------------|--|
| Firm         | Planit-IE Limited                                      |
| Location     | Liverpool, United Kingdom                              |
| Client       | Peel L&P   |
| Team Members | Danny Marsh, Sean Swarbrick, Emma Thompson, Jonny Helm |
| Size         | 5 acres  |

## Project Approach

As part of the Liverpool Waters Estate, Central Park is the Jewell in the crown, not only of the Central Docks Neighbourhood, but the whole 60 ha Liverpool Waters Development. It will be the first park to be built within Liverpool in over 100 years. Within a brownfield industrial dockland environment and on the site of a former power station, Central Park will be the green heart of a mixed use development serving as an incredibly important asset not only for the new community in which it sits but to the wider Liverpool region and in tackling the climate emergency. The approach to the Park design were in line with both the City of Liverpool's response to the Climate Emergency and also Peel's own internal responses to sustainable developments with key goals linked to Water, Biodiversity, Softworks and Hardworks with challenging targets assigned to each strategy.

The Pathfinder and Toolkit allowed us to assess our design at RIBA Stage 2 Concept level. It challenged our approach to the design and the specification of hard materials and the balance between hard and soft. The tool also provided further suggestions to improve and refine the design and we were able to reduce the timeframe to carbon positive from 22 years to 11 years and align it with Liverpool's climate emergency goals. The scorecards have tracked the project from existing site and traditional design approach through to a more climate considered design and have been a useful method of communicating change.

We are constantly challenged to be sustainable and responsive to the environment we live and work in. As Planit works towards its re-accreditation as a BCorp, we find ourselves considering every aspect of our business and how we must move from simply 'doing less harm' to adopting a mindset of leaving the world better than we found it. Finding the right tools, such as the Climate Positive Pathfinder and Toolkit, that can support us to be more responsible stewards on the land, and to measure our impacts upon it is a critical part of that process.





“The tool also provided further suggestions to improve and refine the design and **we were able to reduce the timeframe to climate positive from 22 years to 11 years** and align it with Liverpool’s climate emergency goals.”

**11**

**YEARS TO POSITIVE**

# Feature Project / UPRC Queenswood

Firm Janet Rosenberg & Studio Inc.  
 Location Ottawa, Ontario, Canada  
 Team Members Wayne Swanton, BLA, OALA, CSLA, ASLA, Managing Principal, Landscape Architect  
 Colin Berman, OALA, CSLA, Principal, Landscape Architect. Rob McIntosh, BES, MLA, Senior Project Leader  
 Size 3 acres



Wayne Swanton



Colin Berman



Rob McIntosh

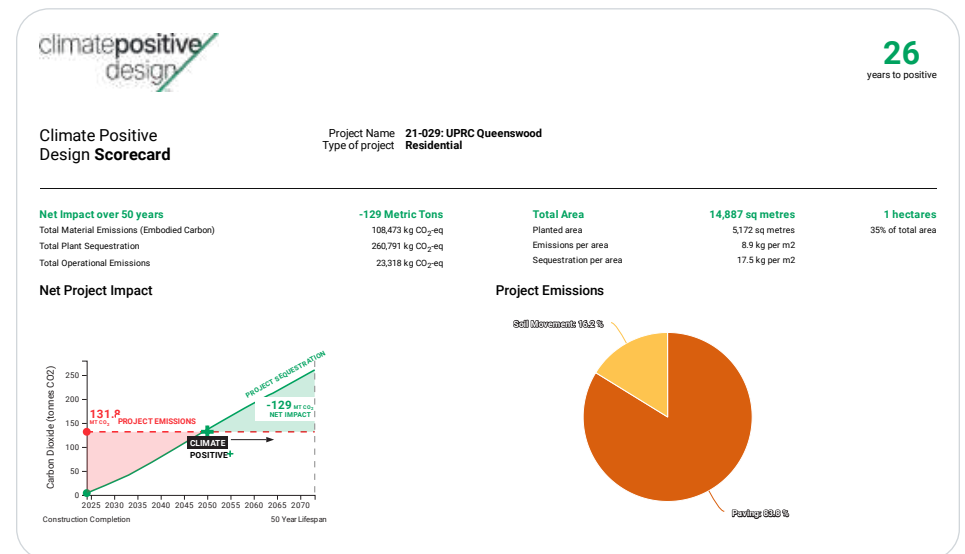
## Project Approach

Queenswood Commons is a residential community being built around the existing Queenswood United Church. The project site is currently comprised of surface parking lots and large areas of lawn. With the development of homes on the site comes the opportunity to rethink the relationship of the church to its surroundings, but also to create a number of distinct landscaped spaces around the site. The landscape approach presents a contemporary and climate positive take on how a suburban community can utilize landscape design to improve site sustainability and to reduce carbon footprints.

This project had an interesting arc in our office, because the concept was first developed without the use of Pathfinder. As our studio began to use Pathfinder for more projects, we determined that Queenswood was an ideal candidate for analysis as we had a willing client who was open to alternative design approaches,

because of their interest in pursuing a broad sustainability program. The most effective strategy to reduce the carbon inputs on this project was to minimize the use of concrete for paving (both cast in place and unit pavers), replacing as much as possible with stabilized crushed stone and using super-pave asphalt in place of typical asphalt. This strategy had a dramatic impact on reducing the embodied carbon inputs. Additionally, the use of a woonerf style streetscape has allowed for the reduction of paved area through the creation of shared spaces. We were also able to increase the sequestration capacity by eliminating lawn in favor of meadows. These naturalized planting areas also minimize maintenance emissions. In the large areas of meadow, we overplanted with multi-stem trees to further increase sequestration.

We were proud with the results we achieved on this project and are excited to continue to apply a carbon/sequestration lens to our design work. As we use the software for more projects, we continue to refine how we present our findings to convince our clients of the impact of our design choices as landscape architects and developers of land.



**“Our initial analysis returned a 159-year period to return to positive, which was higher than we were expecting** for a design that we thought was progressive. From working with Pathfinder on several other projects, we know there was significant room for improvement. A return to the drawing board – now with a laser-focus on embodied carbon and sequestration capacity – **yielded a significant improvement to a 26-year period to return to positive.”**



**26**

**YEARS TO POSITIVE**

# Feature Project / Pacific Plaza

Firm: SWA Group  
 Location: Dallas, Texas  
 Client: Parks For Downtown Dallas/ Dallas Park and Recreation  
 Size: 8,500 sm  
 Team Members: Landscape Design team: Chuck McDaniel, Andy Harcar, Amanda Kronk, Rob Rider, Yuan Ren, Taylor Tidwell (SWA Dallas)  
 Other Consultant Team Members: HKS (Line Studio) (pavilion), Brockette Davis Drake (structural), Salcedo Group Inc.(civil), Kimley-Horn(traffic), Cardno (sub surface utilities), Scott Oldner Lighting Design (lighting)



Chuck McDaniel

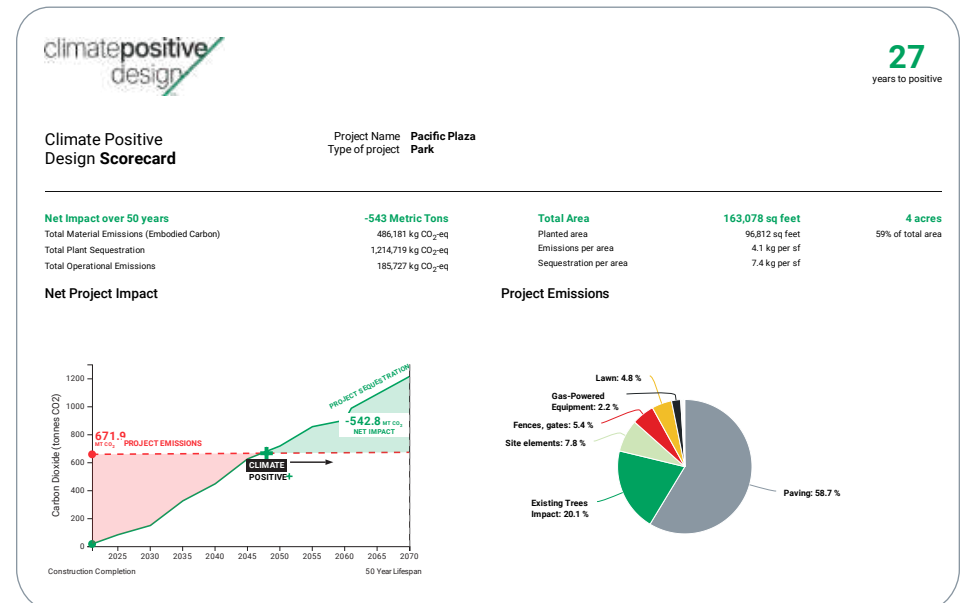
## Project Approach


At the request of the client, a non-profit, SWA completed a carbon analysis for the already built project Pacific Plaza between the Dallas office and XL research and innovation Lab. The downtown site incorporated two parcels, a former surface parking lot, and 0.4 acre Aston Park, the site of 23 mature live oak trees. Completed in 2019, Pacific Plaza was the first of an ambitious park initiative spearheaded by Parks for Downtown Dallas in a public private partnership with the City of Dallas.

There were three main takeaways from this quantitative analysis that SWA learned could apply to other sites. The careful

preservation of 23 mature trees added greatly to the positive climate outcomes. Conversely, in terms of construction and maintenance, the most carbon was generated/emitted by removing other medium sized existing trees. It became clear that reducing the removal of trees and the preservation of mature trees was one of the main areas of leverage for carbon over a 50-year lifespan.

Secondly, paving was the largest carbon emitter, making up almost 60% of project emissions. Any reduction in concrete or stone paving would have lowered emissions due to the energy intensity of cement production, subslab, and rebar in concrete and the transportation costs for natural stone. And lastly, the project did have a generous amount of softscape for a plaza, however much of the area was lawn. Although a green, living material, mown lawns are net carbon emitters due to maintenance requirements over their lifetime. A University of Texas at Arlington team followed up with a larger study encompassing all five Parks for Downtown Dallas, once substantially complete.



An aerial photograph of a modern urban park. The park features a prominent circular walkway with a glass railing, surrounded by lush green lawns and numerous trees. Several people are seen walking and sitting on the park's benches. In the background, modern high-rise buildings are visible, including one with a 'Hilltop Securities' sign. The overall scene is bright and vibrant, suggesting a well-maintained and accessible public space.

“Using construction document area takeoffs and a custom SWA spreadsheet built to integrate with Pathfinder, the team could determine that; **1) in 27 years, the project would be climate positive; 2) It came close to the target for plazas; and 3) After 50 years, the project will have sequestered 543 metric tons of CO2. This is the equivalent of the lifetime emissions of 10 passenger vehicles.**”

**27**

**YEARS TO POSITIVE**

# Feature Project / Tracy Multi-Generational Recreation Center

Firm LPA Design Studios  
 Location Tracy, California  
 Client/Team City of Tracy  
 Size 14.62 acres



Huezo Kenya



Andrew Wickham

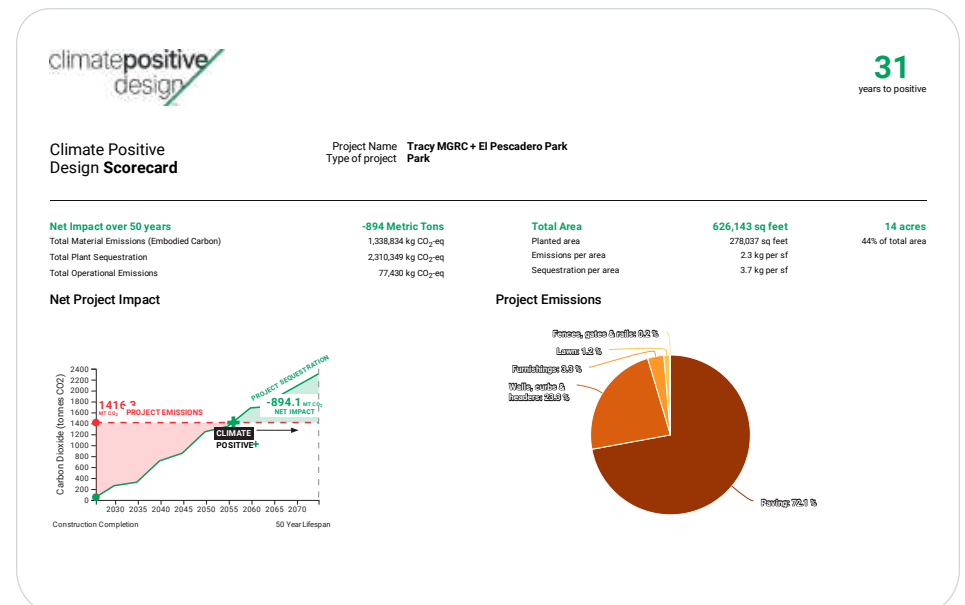



Gertler Rocio

## Project Approach

Very early in the process, the City of Tracy challenged the design team to prioritize a high amount of performance goals for the project: the building was to be net zero energy and designed to LEED Platinum, the park was to preserve as much of the existing mature canopy as possible, reduce irrigation demand, manage regional stormwater flows as well as local run-off, and be a carbon sink for the community. The City also identified a program-driven refurbishment of the existing underutilized park that included a new skatepark, dog park, event pavilion, basketball court, splash pad, triple the existing parking, and nearly a mile of new walkways. In the initial stages of design, it became evident to the design team that the program was driving a large amount of carbon intensive hardscape requirements. Using an iterative approach, we were able to design, calculate the carbon footprint, adjust, and repeat.

The design team is still pushing for a better outcome, but as of the end of schematic design, the park design will be climate positive in 31 years. Given the amount of new infrastructure/program and realities of durability and maintenance requirements for this type of project, we feel this is a great start. As we further use the Pathfinder tool on this and other projects, it's becoming clear to us that the challenge in meeting our climate goals lay somewhere in the nexus between program needs, maintenance capabilities, client goals, and budget.





“In the initial stages of design, it became evident to the design team that the program was driving a large amount of carbon intensive hardscape requirements. **Using an iterative approach, we were able to design, calculate the carbon footprint, adjust, and repeat.**”

**31**

**YEARS TO POSITIVE**



# Feature Project / Atlanta Beltline Westside Extension

|              |  |
|--------------|--|
| Firm         | CMG Landscape Architecture                   |
| Location     | Atlanta, Georgia                             |
| Client       | Atlanta Beltline Inc, Alta Planning + Design |
| Team Members | Pamela Conrad, Kate Lenahan                  |
| Size         | 4.74 acres                                   |



Pamela Conrad



Kate Lenahan

## Project Approach

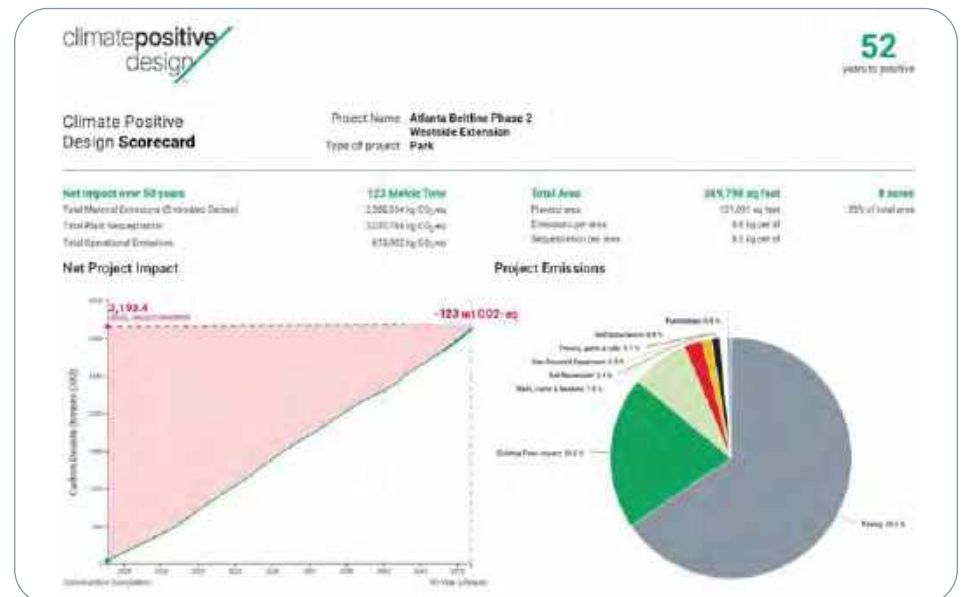
As part of the team selection process, Atlanta Beltline Inc. made measuring the climate performance of their future work a priority. CMG joined the team to help guide the design of the current phase, by conducting baseline analysis on a prior completed trail portion, and evaluating and informing the current project performance and design every step of the way.

The project goals were to maintain the established character of the 22 mile long Beltline while improving its carbon impact through refinement of materials selection and strategies. Through the process, the project improved from initially taking 127 years reduced to 52 years to offset its own carbon footprint (61% reduction). Project emissions were reduced by 22% and sequestration improved by 84% - an overall net performance

improvement of 106% and achieving the maximum SITES credits. This was accomplished by planting and paving recommendations which were integrated at each stage of design.

With the client as the champion for climate performance, not only was this project improved, but the team was able to catalyze changes to the municipal transportation agency concrete standard requirements for cement substitution allowances. In addition, over 80 new elements were added to the Pathfinder app to support expanded free and accessible resources for all wanting to have a positive impact to climate change on their projects.

The current project performance was improved and will be implemented in future phases that will complete the overall urban trail system. Throughout the duration the team managed an agile, integrated approach to measure and improve performance that could be directly integrated into the design. Clear recommendations, analysis, charts and graphics aided the process.





**“As part of the team selection, Atlanta Beltline Inc. made **measuring the climate performance of their future work a priority.** Through the process, the **project improved from initially taking 127 years reduced to 52 years** to offset its own carbon footprint.”**

**52**

**YEARS TO POSITIVE**

## Statistics

### PROJECT QUANTITY FOR THE FIRST THREE YEARS

- Total projects that submitted full details = 787

### AREA

- Total area = 544,077 acres

### IMPACTS BY 2050 (~30 year impacts)

- Total embodied emissions in 30 years = 3.6 million tonnes
- Total operational emissions in 30 years = 778,000 tonnes
- Total emissions in 30 years = 4.62 million tonnes
- Total sequestration in 30 years = 9.9 million tonnes
- Total net in 30 years = 11.13 million tonnes
- **Sequester 2.2 x's more carbon than emitted by 2050**

### IMPACTS BY 2040 (~20 year impacts)

- Total embodied emissions in 20 years = 3.9 million tonnes
- Total operational emissions in 20 years = 520,000 tonnes
- Total emissions in 20 years = 4.3 million tonnes
- Total sequestration in 20 years = 6.6 million tonnes
- Total net in 20 years = 2.3 million tonnes
- **Sequester 1.5 x's more carbon than emitted by 2040**

### CHALLENGE PERFORMANCE

- Median years to positive (YTP) for all projects = 18 years
- Median YTP for Parks = 15 years
- Median YTP for Plazas/Streets = 59 years
  
- Average emissions/sf = 4.7 lbs/CO<sub>2</sub>e
- Average sequestration/sf = 14.6 lbs/CO<sub>2</sub>e
- 3.1x's more sequestration than emissions based on average area/square foot basis

## Trends from Year 1+2 to Year 3



**1%** MORE PROJECTS  
are meeting challenge targets



**3.5%** INCREASE IN  
tree planting

**10% IMPROVEMENT  
THIS PAST YEAR!**



**12%** REDUCTIONS IN  
emissions per square foot



**10%** REDUCTION IN  
sequestration per square foot

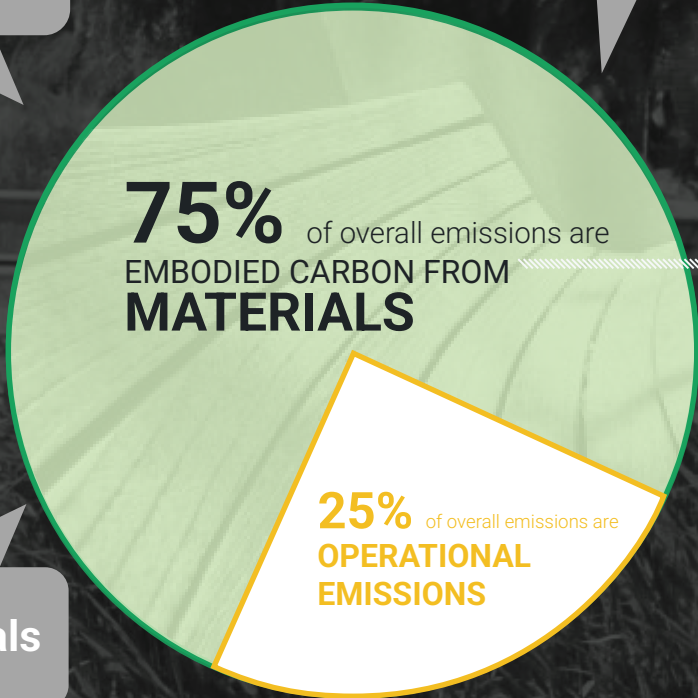
(likely due to 43% increase in prior years and leveling out with realistic performance)

# Project Performance and Actions

Maximize cement substitutions

We need EPDs

Use less



TARGET THIS

Use local materials

Maximize recycled content and reuse

**25% of projects**  
ARE MEETING CHALLENGE TARGETS

# Support

To maintain and improve the resources developed to date, CPD is seeking donations to support the following in 2023:

## 1. RESEARCH

- Expand research for metric setting knowledge of co-benefits including water conservation, biodiversity, equity, community health and resilience
- Collect EPDs to expand embodied carbon of materials and operations

## 2. TOOLS

- Pathfinder Advancements
  - Incorporate more materials, plants and operations
  - Expand to include co-benefits such as biodiversity, equity, water conservation, community health and resilience
  - Expand products and Environmental Product Declarations
  - Integrate with 3D multi-disciplinary tools and integrate/align with other tools in related disciplines

## 3. RESOURCES/GUIDANCE

- Evaluate Climate Positive Design Challenge Industry Impact Data
- Develop Climate and Biodiversity Positive Commitment program
- Support the expansion of the EC3 EPD Library

## 4. EDUCATION/COMMUNICATIONS

- Give lectures and workshops at universities, schools, conferences, firms and organizations
- Create educational and thought leadership editorials and media
- Collaborate with manufacturers and interdisciplinary organizations
- Integrate with rating programs and code standards



**Many thanks to our supporters.**  
**Climate Positive Design continues because of you.**



**To donate online, visit the GoFundMe page:**  
<https://www.gofundme.com/f/climate-positive-design-initiative>

or

To make a **tax deductible contribution**, donations can be made out to CPD's 501(c)3 fiscal sponsor: **2030, Inc. / Architecture 2030**

Please note **Climate Positive Design** in the memo line.

**2030, Inc. /Architecture 2030**

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Santa Fe, NM 87505  
USA

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