



Introduction to GBI & Green Globes Net Zero

September 1, 2023



Vicki Worden, President & CEO

Agenda

- Introduction
- Overview of Green Globes NZ programs
- Discussion on complimentary pilot



Vicki Worden, GBI President & CEO



An inclusive, international organization delivering education, credentialing, standards, certification, and validation programs.

Mission

To reduce climate impacts by improving the built environment



Sustainable, healthy, and resilient buildings for all.

GBI's Green Globes® Journey to Net Zero

{ Definitions }



{ 100% reduction in net site EUI }



{ 100% reduction in net CO2e }

GBI's Green Globes® Journey to Net Zero

{ Minimum Requirements }

Single New Building

- 30% energy cost improvement from ASHRAE 90.1-2016
- OR
- ENERGY STAR rating OF 75 for non-multifamily bldg. type
- ENERGY STAR rating of 80 or higher for multifamily bldg.
- OR
- Jurisdictional requirement if more stringent



Existing Building or Portfolio

- 30% reduction in site EUI relative to baseline year (onsite renewables allowed)
- OR
- ENERGY STAR rating OF 75 for non-multifamily bldg. type
- ENERGY STAR rating of 80 or higher for multifamily bldg.
- OR
- 30% reduction in aggregate average current site EUI relative to baseline year

GBI's Green Globes® Journey to Net Zero

{ Allowed Toward Certification at 100% Reduction }

After minimum requirements are met, the following are allowed:

- *Third-party certified offsite renewables, RECs, and other instruments. (NZE & NZC)*
- *Third-party certified carbon offsets (NZC)*

GBI's Green Globes® Journey to Net Zero

{ Definitions }

net zero energy (for buildings) - a net zero energy (NZE) building is a *highly energy efficient building* that meets its remaining energy requirements with onsite and/or offsite renewable energy sources or instruments.

- July 2023 GBI public input definition

highly energy efficient building - a building that meets GBI's minimum requirements for energy reduction from a baseline.

net zero carbon (for buildings) - a net zero carbon (NZC) building is a *highly energy efficient building* that produces onsite or procures renewable energy or high-quality carbon offsets in an amount sufficient to offset the annual carbon emissions associated with building operations as well as building materials associated with new construction, major renovations, and/or ongoing maintenance and rejuvenation of existing buildings.

- July 2023 GBI public input definition

Proposals for changes to these definitions are being considered throughout GBI's pilot program through Dec. 31, 2023

GBI's Green Globes® Journey to Net Zero

{ Market Demand }



For New Construction or Reno. / Fitouts

- Embodied carbon*
- Operational energy*
- Whole building*

GBI's pilot will offer a "designed to achieve" designation where operational data is not yet available.



For Existing Buildings or Portfolios

- Reduction in site EUI*
- Direct emissions reductions / progress toward site electrification*
- Direct + indirect emissions reductions / overall progress*

GBI's Green Globes® Journey to Net Zero

{ Market Demand }



Property Configuration

Tenant Space

Single building

Multiple buildings (campus or development)

Portfolio



Data Availability Options

Tenant

Base building

Whole building

Journey Onramp

Projects with <50% reduction in either net site EUI or net CO₂e may participate in third-party assessment review. Green Globes Assessors (GGAs) provide a detailed, personalized progress report and recommendations for improvement.

<50%

Journey Recognition

Formal recognition can be achieved by demonstrating ≥50% reduction from baseline in either net site EUI or net CO₂e. GGAs provide detailed, personalized progress report and recommendations for improvement.

≥50%

Green Globes® Journey to Net Zero



Start your journey to Net Zero with a Green Globes® third-party assessment to determine your baseline and percent improvement in net site EUI or net CO₂e. Each project team receives a progress report with a detailed, transparent breakdown demonstrating where EUI and GHG reductions were achieved for reporting to stakeholders and to monitor performance over time. Reassessment is required at least every three years. Projects achieving ≥50% reduction are eligible for recognition. Minimum requirements in reduction or improvement of site EUI from a baseline apply.

Net Zero Certification

Reach 100% reduction from baseline and achieve Green Globes Net Zero Certification. Gain access to unique recognition and listings as a NZ building or portfolio.

100%

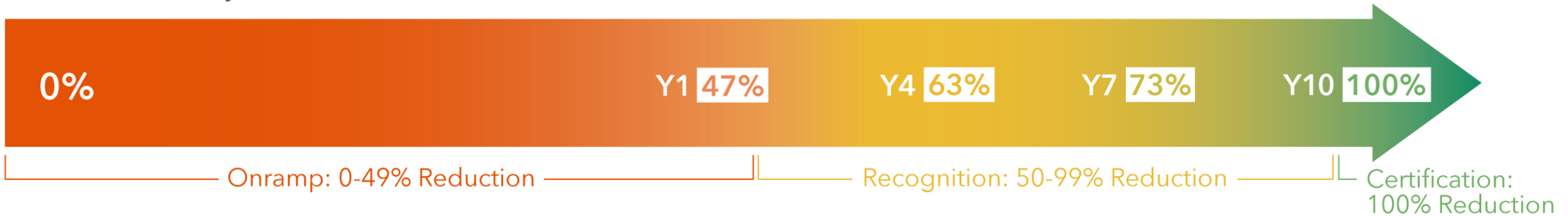


GBI's Green Globes® Journey to Net Zero

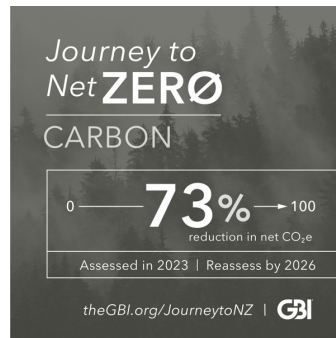
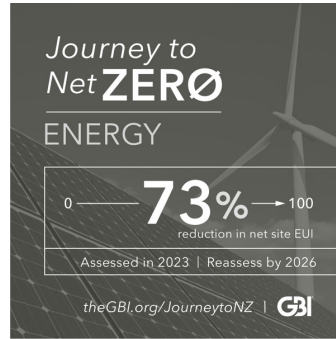
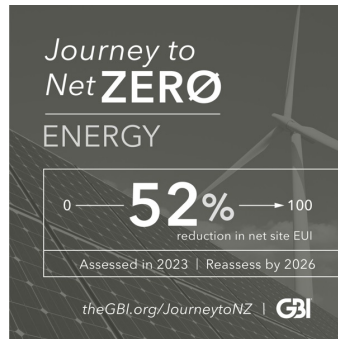
SAMPLE PROGRESSION:

NZ Energy Journey (% reduction in net site EUI)

NZ Carbon Journey (% reduction in net CO₂e)



GBI's Green Globes® Journey to Net Zero



Sample Journey Recognition



Certification at 100% reduction

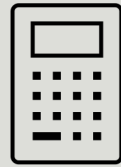
GBI's Green Globes Journey to Net Zero

A Complimentary Pilot is Available through Dec. 31



Data Required

Baseline, improvements, reductions, energy models and/or utility data, third-party certificates, minimum energy requirements.



Green Globes NZ Calculator (beta)

Data entered by building team or Green Globes Assessor (GGA). NZ Calculator demonstrates transparently the percent reductions of EUI and CO₂e from baseline.



Support

Dedicated GBI project manager, third-party assessor, and collaborative assessment process.



Progress Report

Demonstrates detailed breakdown of data boundaries and where percent reductions and improvements were achieved for transparent reporting to stakeholders.

GBI's Green Globes Journey to Net Zero

A Complimentary Pilot is Available through Dec. 31

Register a building today to participate in GBI's complimentary Journey to Net Zero Pilot Program

<https://thegbi.org/net-zero-public-input/>



Thank you! Contact input@thegbi.org for more information.