AIA and Architecture 2030 collaborate on this year's 2030 By the Numbers annual report

2024 marks 16 years of cumulative predicted Energy Usage Intensity (pEUI) data from signatories, the AIA 2030 Commitment charts the profession's operational energy reduction impact—showing where architects are making strides towards a higher-performing built environment and where improvement is still needed. Now five years out from the year 2030, one thing is certain: the Commitment and its 1,400+ signatories' work towards a net zero carbon future will continue beyond the year 2030.

2025 marks another 10 point pEUI reduction step, to 90%, in the Commitment's ultimate goal of 100% reduction by 2030. While fuel source, renewable energy, and embodied carbon data reporting are increasing and numbers are improving, the growth is not rapid enough to mitigate substantial future emissions.

Read this year's annual 2030 By the Numbers report with key insights from partner Architecture 2030 >

277 firms reported 6,828 projects designed to meet the 80% pEUI reduction target, totaling 17% of all reported whole-building GSF.

460 firms reported data in the DDx

9,204 projects reported embodied carbon data

41,640 projects and over 4.5 bn gross square feet (GSF) reported in 2024

630 net zero projects were reported in the DDx

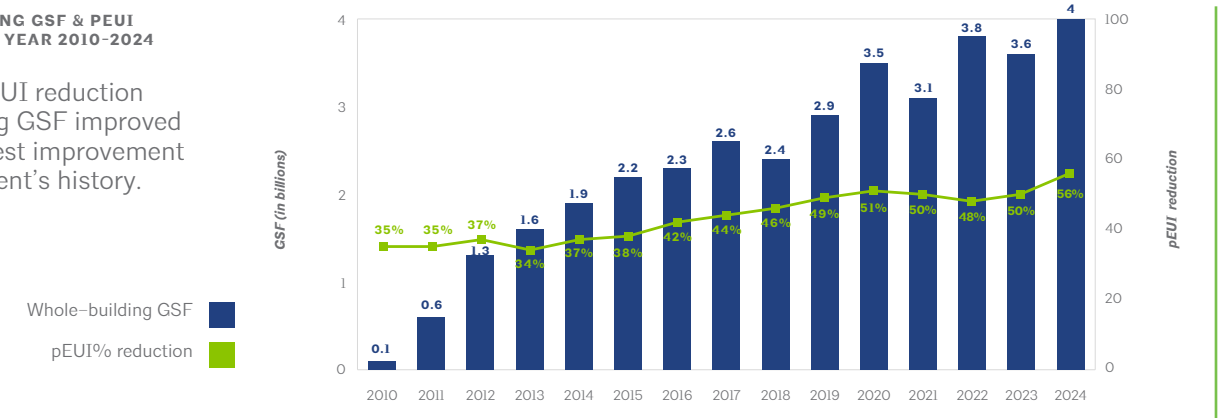
56% pEUI reduction was achieved from whole-building projects

Reported projects represent energy savings of more than $22.1 Billion over the baseline equivalent

61.4 million metric tons of CO2e emissions were avoided relative to 2030 baseline-equivalent buildings

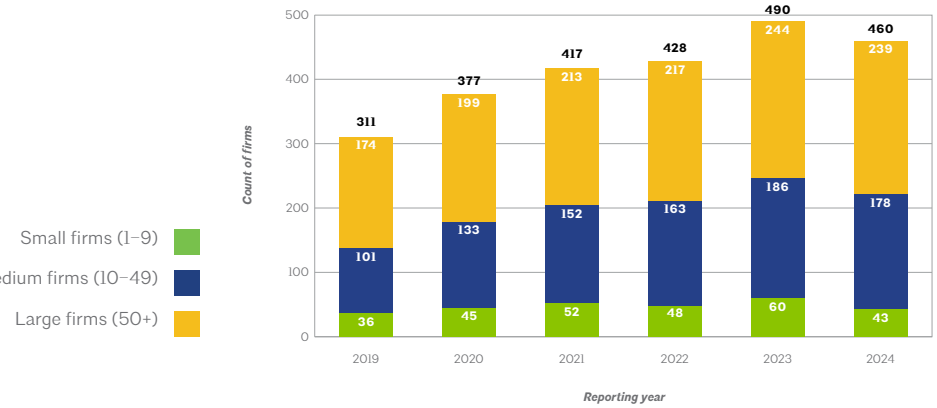
WHOLE-BUILDING GSF & PEUI % REDUCTION BY YEAR 2010-2024

The weighted pEUI reduction of whole-building GSF improved to 56%,the largest improvement in the Commitment's history.



REPORTING FIRMS BY SIZE

Reporting firms slightly decreased to 460 in reporting year 2024, with similar representation across small, medium, and large firms across the years.



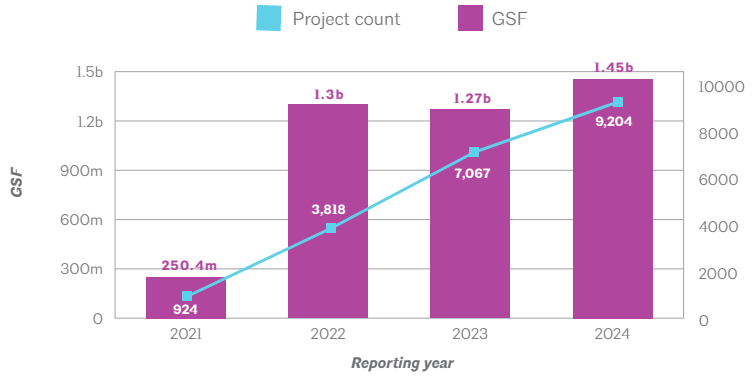
Embodied carbon

Tracking the embodied carbon of buildings proves to be challenging but critical to understand where the industry currently is and how it needs to improve to yield the greatest climate mitigation results.

Tally, OneClick LCA, and c.scale were the top three reported tools for measuring embodied carbon.

178 firms reported 9,204 projects with embodied carbon data, an increase of 24 firms from the previous year.

PROJECTS & GSF REPORTED WITH EMBODIED CARBON



Energy modeling

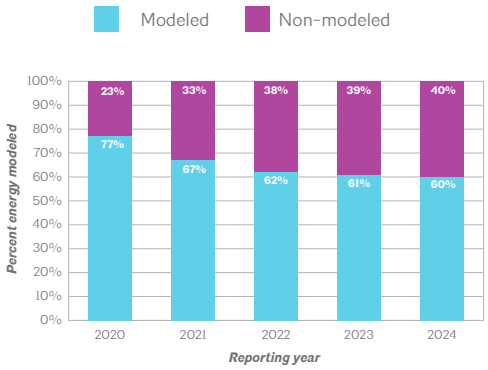
Integrating energy modeling into firm practice is critical for designing high-performance buildings and meeting pEUI reduction goals.

60% vs. **50%**

pEUI reduction of projects that were energy modeled

pEUI reduction of projects that weren't energy modeled

PERCENT OF WHOLE-BUILDING GSF WITH ENERGY MODELS

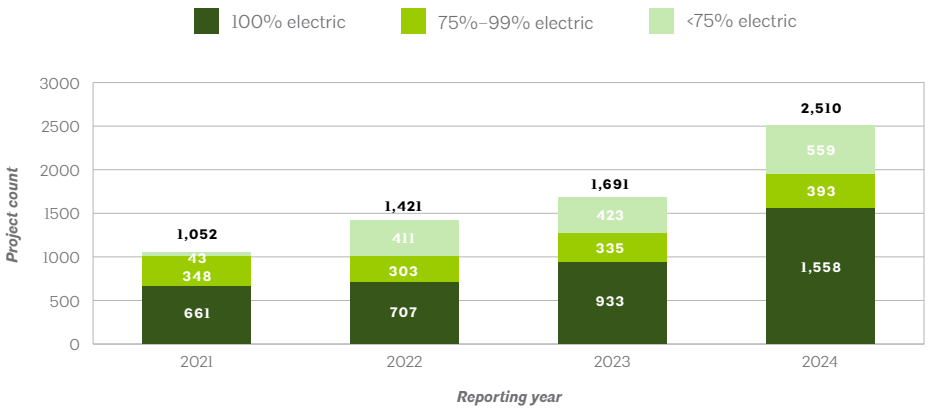


% of GSF with energy modeling has remained approximately the same as the previous year.

Building electrification

1,558 all-electric buildings were reported in 2024, doubling since 2022

PATH TO ALL ELECTRIC BUILDINGS BY PROJECT COUNT



Renewable energy

13% of GSF reported included renewable energy with almost double the projects reported in 2023.

PROJECTS & GSF REPORTED WITH RENEWABLE ENERGY