

JOIN
THE



Building Challenge

Enroll Today! 20by2020challenge.org

20

Passive
House
Buildings

20,000

Square Feet
Or Larger

By

2020

In King County

**Get ahead of the carbon curve.
Build tomorrow's buildings today.**





Why 20 by 2020?

To avert dangerous climate disruption we need to shift architecture/engineering/construction to zero net carbon (ZNC) building. You can help lead this shift by joining the 20 by 2020 Building Challenge.

To reach ZNC, a building must achieve dramatic improvements in energy efficiency and then satisfy remaining energy demand with renewable sources. The good news is that ZNC buildings are economically and technologically viable today. Passive House construction is a means to revolutionize building energy performance that is particularly cost-effective for larger buildings.

By establishing an ambitious energy target and using science-based design and modeling, Passive House buildings reduce energy consumption by up to 75%. Couple this with rooftop solar or a contract for green power, and you've got a ZNC building.

The 20 by 2020 Building Challenge will provide “proof of concept” that Passive House can propel our shift to a carbon-sustainable future.

Benefits of Joining the Challenge

- Identification as a change agent and market leader.
- Promotion on the 20 by 2020 website and media campaigns.
- Recognition at events and in communications by King County and Challenge partners.
- Preparation for Washington's regulatory requirements as energy code progresses to Passive House-levels of building performance by 2030.

Assistance + Incentives

The City of Seattle offers expedited permitting (Priority Green Expedited) and zoning incentives (SDCI Director's Rule 20-2017) for Passive House. Seattle City Light's Energy Efficiency as a Service program provides utility payments to investors in building efficiency, providing building owners with a new revenue stream for Passive House projects. Outside Seattle, various municipalities in King County are considering new Passive House policy and incentives.

Participation Requirements + Process

To enroll, applicants submit a pledge letter with project details and images. To achieve the Challenge, applicants must have, by December 31, 2020, submitted a letter of commitment and evidence of: (1) building permit submittal; (2) Passive House performance modeling results by a certified professional showing compliance with Passive House targets (PHIUS or PHI); and (3) confirmation that the project is 20,000 square feet or larger and sited in King County.

Alternative Eligibility

Buildings that are zero energy certified by Built Green or ILFI are also eligible to participate, provided they are 20,000 square feet or larger and sited in King County.

20 by 2020 Building Challenge Partners

