

nbi new buildings
institute

2020 Getting to Zero Buildings List

Growth and trends for
zero energy and zero
carbon buildings.

GETTING TO
zero

Alice West Fleet Elementary School | Arlington, VA, Credit: VMDO Architects



Tobin Elementary School | Cambridge, MA, Credit: Perkins Eastman Architects

2020 Getting to Zero Buildings List

Our 2020 list of pioneering zero energy (ZE) projects represents the latest growth in a rapidly expanding market. As policies and programs advance, designers and building owners continue to seek ever-higher levels of performance and environmental stewardship. The growth in the zero energy market is not just in the number of projects but also in the regions and sectors in which zero energy buildings are taking hold. ZE buildings are extremely energy efficient, with a median site EUI of only 23 kBtu/sf/yr*, and consume only as much energy as is produced onsite with clean, renewable energy resources such as solar. These trailblazing buildings, portfolios, districts, and campuses have demonstrated that getting to zero energy design and operation is feasible in every climate, market sector, size, and building type across the U.S. and Canada.

To date, New Buildings Institute is tracking 136 certified or verified and 547 emerging zero energy projects across North America. Since the last publication of this list in 2019, the total number of ZE projects has grown by 15% and the number of certified or verified ZE projects has grown by 68%. Many projects joining the list are part of a portfolio of energy efficient buildings with dedicated shared renewable energy resources such as large-scale offsite solar installations. The number of designers delivering ZE projects has grown as well, indicating newcomers to the zero energy design market.

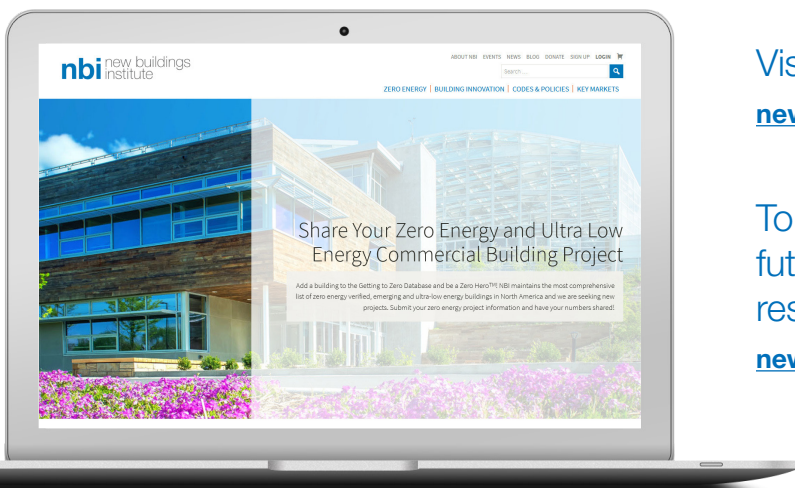
This list includes all Certified and Verified ZE projects known to NBI as of September 2020. There are over 500 additional ZE projects in the Emerging category (projects that have not yet achieved ZE, or for which NBI does not have data to verify ZE performance) that are not listed here.

You can access a live, comprehensive map and list of all ZE Certified, Verified, and Emerging projects across North America and explore trends in ZE buildings with interactive charts and customizable graphics.

*ZE Certified, Verified, and Emerging projects with measured data

Visit the Getting to Zero Buildings Database:
newbuildings.org/resource/getting-to-zero-database

To submit a project to our database for future publications in this list and other NBI resources, visit our registry:
newbuildings.org/project-registry/



Trends

Zero Energy Project Locations

ZE projects span all climate zones and nearly every state and province. While ZE projects are concentrated in California and the Northeastern United States, ZE projects outside of these dominant regions grew by over 20% in the last two years. The states with the most growth in ZE projects over the last two years are California, Oregon, New York, and Massachusetts.



MOST GROWTH

The states with the most growth in ZE projects over the last two years are California, Oregon, New York, and Massachusetts.

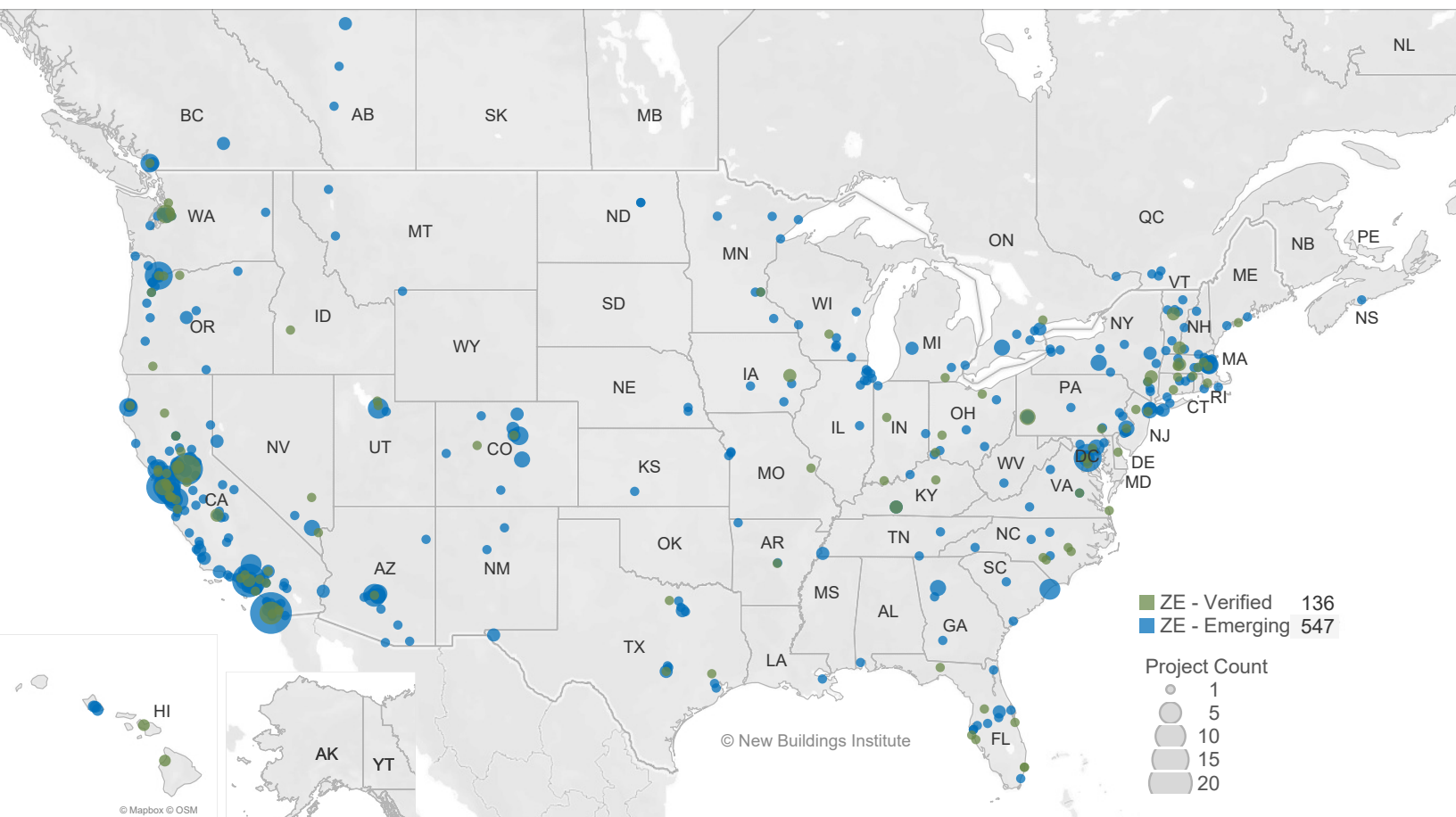
20%

GROWTH

ZE projects outside of these dominant regions grew by over 20% in the last two years.

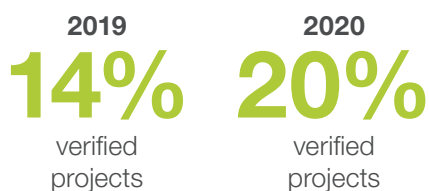
2020 ZERO ENERGY PROJECT LOCATIONS

ZE Verified and Emerging projects plotted by city. Certified projects are included within the verified points.



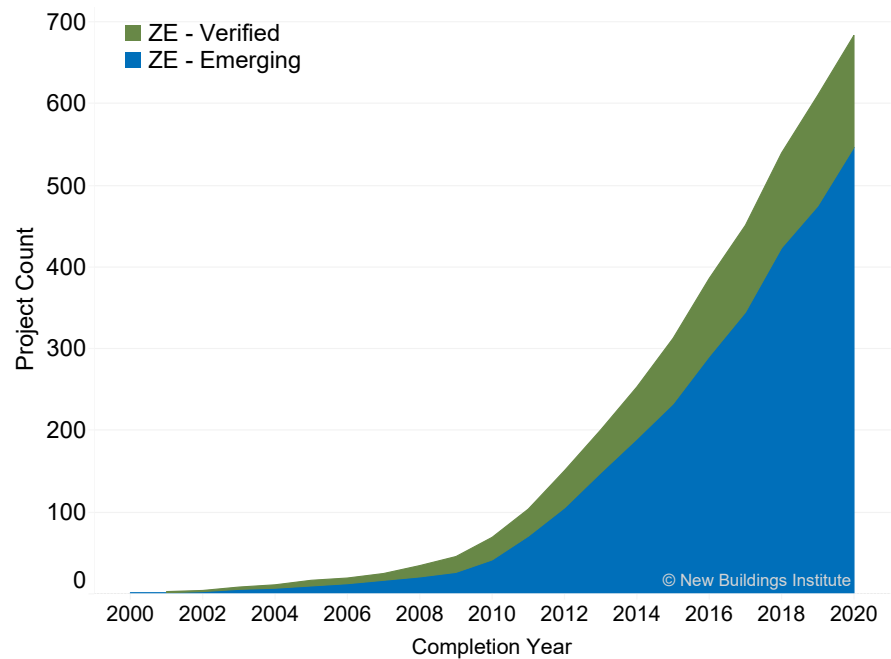
Market Growth

The accelerated growth of ZE projects continues through 2020 and represents over 62.7 million square feet of real estate. Advanced energy policy, greater market awareness, and a broader base of designers with experience designing zero energy buildings all contribute to this strong market growth. Compared to our previous 2019 list, the share of projects that are verified increased from 14% to 20%.



ZERO ENERGY PROJECT GROWTH

The project list includes nearly 700 projects and is on a steep curve upward, having more than doubled in size since 2015.

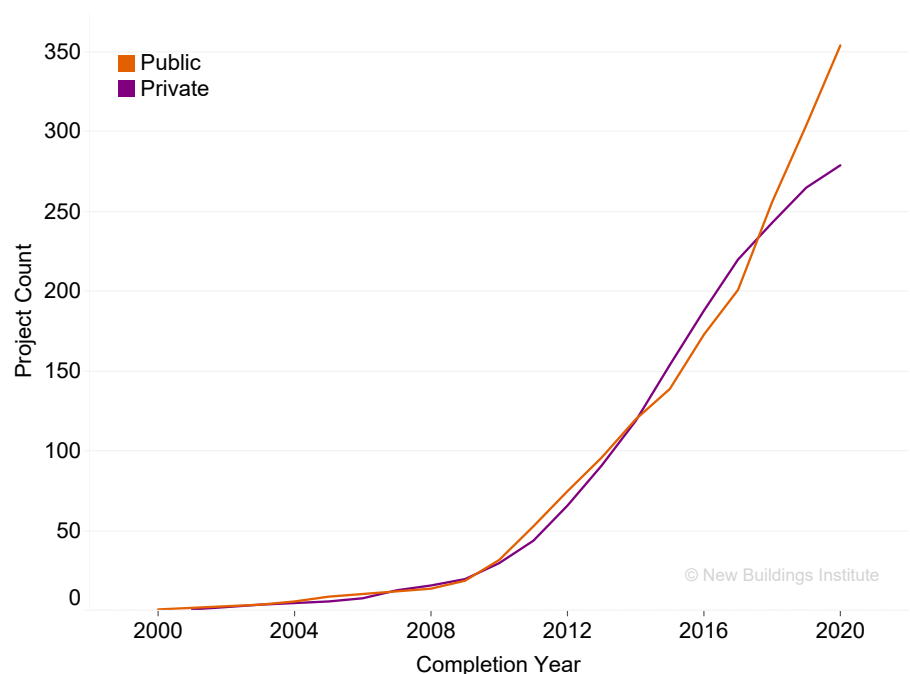


Public vs. Private

Publicly and privately owned ZE projects continue to grow at a similar pace. However, the public sector continues to lead the ZE market, especially when we consider that publicly owned buildings make up a minority of the built environment. Despite having less real estate, government offices, libraries, schools, and universities make up a significant portion of the ZE project list. In the private sector, several large companies have entered the zero energy market, including IKEA, Walmart, Google, Apple, Amazon, Walgreens, Tesla, and many more.

ZERO ENERGY PROJECT GROWTH BY SECTOR

The growth of public and private zero energy projects is closely aligned.



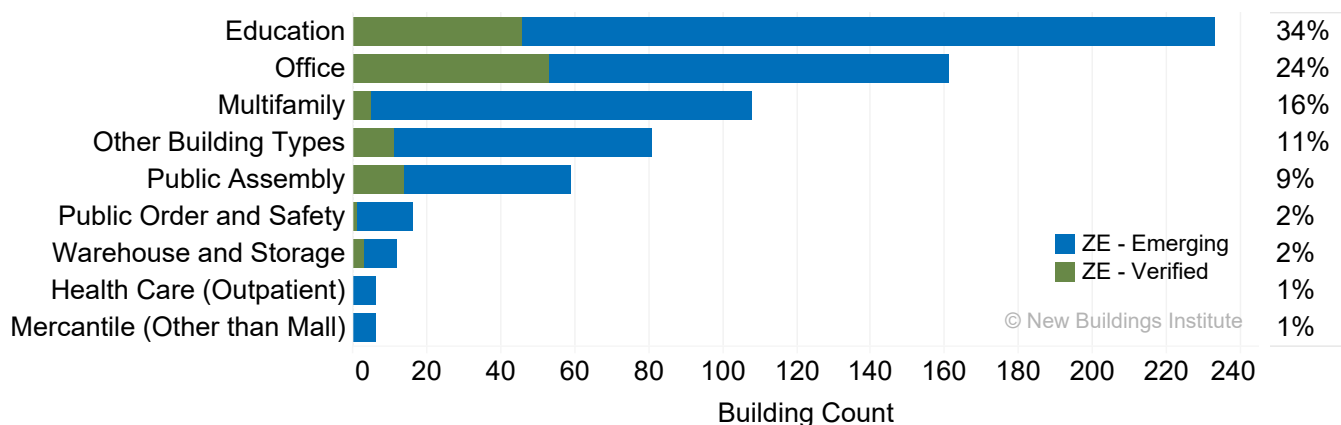
Building Types

The education and office sectors together make up 58% of all projects and 58% of all ZE square footage. This is similar to what we reported in our 2018 Status Update. However, offices gained ground, now making up 24% of projects (up from 19% in 2018). The remaining building types make up a similar portion of the ZE list as they did in 2018.

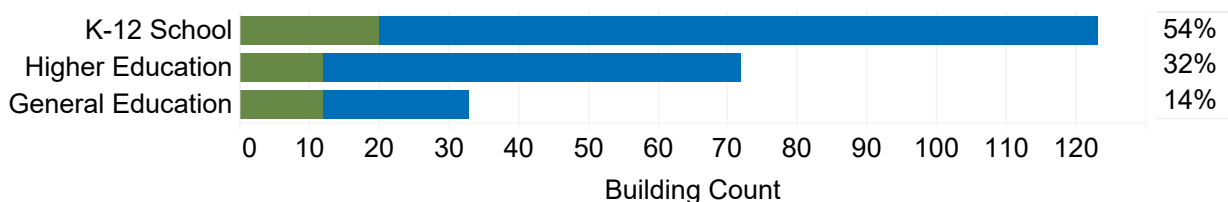
ZERO ENERGY BUILDING TYPES

Zero energy projects span over 100 distinct building types, with over half falling in the education and office sectors.

Building Type Breakdown



Education Breakdown



2030 AIA Commitment

The American Institute of Architects (AIA) has established the 2030 Commitment which sets a path toward the design of carbon neutral buildings using the 2030 Challenge.

Any architecture firm can sign the 2030 Commitment, regardless of AIA membership, and join 682 firms driving high performance design. **At the end of 2019, 311 companies reported design data on 20,308 projects.** These projects account for an overall predicted energy use reduction equivalent to **avoiding 20.2 million metric tons of CO₂ emissions**—and a **total operating savings of more than \$4.1 billion.**

Signatories recorded **241 projects designed for zero energy**, and over 80 of these firms have one or more zero energy projects on this list!

Learn more

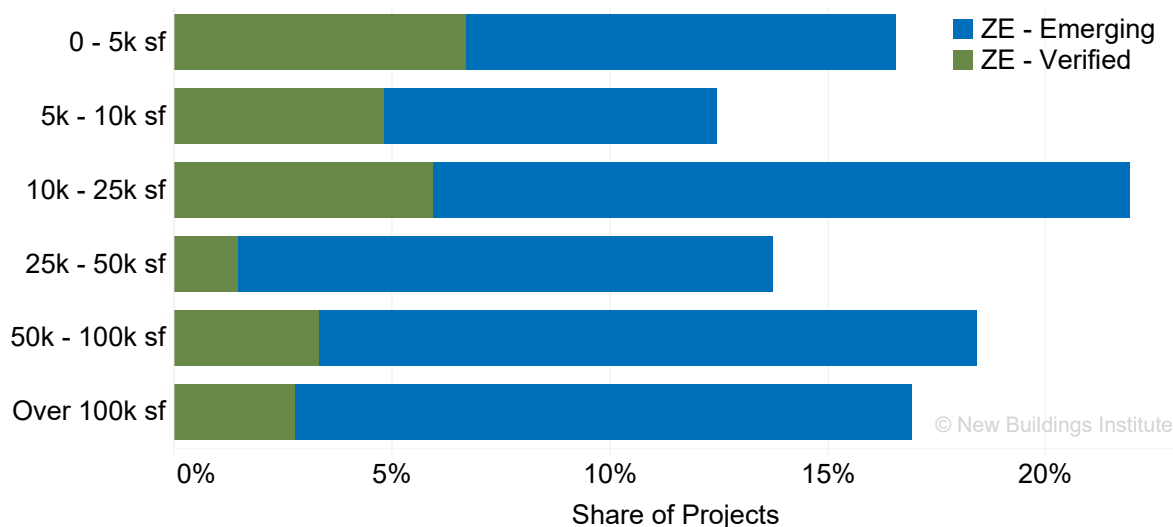
aia.org/resources/202041-the-2030-commitment

Building Size

Larger zero energy projects are becoming more common as the market matures. Designers are targeting more challenging buildings, going bigger and driving deep energy efficiency at scale. Over 35% of projects are over 50,000 square feet. Increasingly, campuses and portfolios are targeting zero energy, zero emissions, or even carbon-positive outcomes despite site limitations (e.g. not enough roof space for solar) by combining onsite and offsite installations of renewable energy and purchasing renewable energy, often through the local utility company.

SIZE DISTRIBUTION OF ZERO ENERGY PROJECTS

Zero energy projects are found in all sizes, including entire campuses and portfolios.



Leader Circle firms support Getting to Zero ambitions

The built environment is responsible for 39% of U.S. and global carbon emissions. Rapid scaling of the number of zero energy and carbon neutral buildings is vital to limit the worst effects of climate change. Kudos to these first three firms with certified or verified projects that have joined the Getting to Zero Leaders Circle spotlighting their innovation and supporting NBI's work on market development and leadership for net zero building performance.

As signatories of AIA's 2030 Commitment, these firms are dedicated to better energy and carbon outcomes for the built environment. Leaders Circle support allows NBI to continue to provide educational programming, design resources, market insights and collaborative opportunities to the various stakeholders driving net zero to scale.

Trailblazing architecture and engineering companies with certified or verified projects are invited to join these charter members of the Getting to Zero Leaders Circle. If your firm has a project on this list, that includes you! Contact Meghan Humphreys at meghan@newbuildings.org to learn more.

List Definitions

ZERO ENERGY

projects are buildings or groups of buildings with significantly reduced energy loads, such that 100% or more of the energy use can be met with on-site renewable energy generation annually (off-site renewables are counted toward achieving ZE in certain cases). In this list, projects are categorized as ZE Certified or ZE Verified. For simplicity, projects that have set a zero carbon¹ goal are listed as zero energy.

¹ A growing number of building owners, designers, policymakers, and other organizations are targeting “zero carbon,” “carbon neutral,” and “zero emission” buildings. It is important to note that zero net annual energy usage is not the same as zero carbon or carbon neutral. Fully measuring the CO₂ emissions attributable to buildings requires more information than is available for most buildings on this list. Carbon emissions impacts can vary greatly over time and by region, based largely on the energy sources used to produce electricity (coal, gas, solar, wind, etc.). As more renewables come online these variations are becoming more significant. For more on this topic, see the GridOptimal Buildings Initiative (newbuildings.org/resource/gridoptimal). In addition, the embodied carbon associated with construction and materials can be substantial. See NBI’s resource hub (gettingtozeroforum.org/resource-hub) for more information on the topic of embodied carbon. Some organizations have developed Zero Carbon building certifications, including ILFI (living-future.org/zero-carbon-certification) and USGBC (usgbc.org/programs/leed-zero). NBI is working with these and other organizations to seek alignment and accelerate progress.

ZERO ENERGY CERTIFIED

projects have been awarded Net Zero Energy (or equivalent) certification by a trusted third party such as the International Living Future Institute (ILFI). The certifier has thoroughly reviewed at least one continuous year of energy consumption and generation data to certify zero energy performance.

ZERO ENERGY VERIFIED

projects have achieved ZE for at least one full year and NBI has verified the performance data.

ZERO ENERGY EMERGING

projects—not listed here, but part of the Getting to Zero Buildings Database—have publicly stated a goal of reaching ZE but have not yet demonstrated achievement of that goal. These buildings may be in the planning or design phase, under construction, or have been in operation for less than twelve months. Others may have been operating for at least a year, but their measured energy use data either has yet to achieve ZE, or the data to document ZE performance was not available.

SITE EUI

stands for the total gross site-level Energy Use Intensity (EUI), the industry common metric used to measure annual energy use per square foot (sf) of building floor area. Energy use includes consumption from all fuels (grid-delivered and on-site-generated electricity, natural gas, district energy, and delivered fuels) in thousands of British thermal Units (kBtu) per year (yr). That sum is divided by the building’s gross size, thus the units are kBtu/sf/yr.

SOURCE EUI

accounts for upstream generation, transmission, and distribution losses associated with delivering usable energy to the site. Site to Source EUI conversions in this list follow the 2018 U.S. Energy Star® Portfolio Manager guidelines.²

NET EUI

is annual energy use minus annual on-site renewable generation, divided by the building’s floor area in sf. A building with a measured net EUI (site or source) less than zero has achieved ZE.

zEPI³

is a metric on a 0-100 scale that sets a constant goal of ZE and is normalized by climate and building type.

LIST KEY

Bold text indicates projects that are new to the List.

(L) after the project name indicates a project has achieved USGBC LEED certification (at any level).

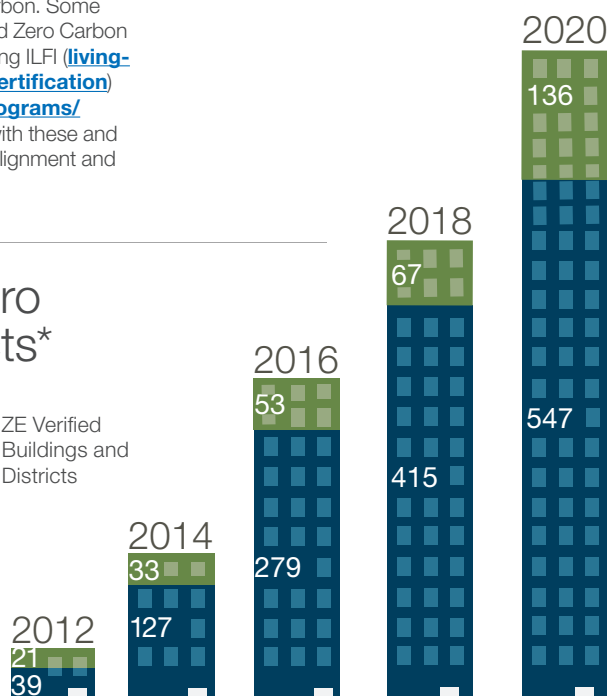
(M) after the project name indicates a project that has provided measured energy use data.

Number of Zero Energy Projects*

■ ZE Emerging Buildings and Districts
■ ZE Verified Buildings and Districts

*Numbers reflect the size of the list at the time of publication.

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² See the 2018 US Energy Star Portfolio Manager Source Energy Technical Reference Document: energystar.gov/buildings/tools-and-resources/portfolio-manager-technical-reference-source-energy

³ newbuildings.org/resource/zepi-zero-energy-performance-index/

Year	Project Name	City	State	Building Type	Size (sf)	Total EUI	Source EUI	Net EUI	Net Source EUI	zEPI Score
2007	IDeAs Z2 Design Facility (M)	San Jose	CA	Office	6,557	18.7	52.4	-4.5	-12.5	-7
2009	Living Learning Center at Tyson Research Center (M)	Eureka	MO	Education	2,968	24.5	68.5	-1.9	-5.5	-2
2009	Omega Center for Sustainable Living (L) (M)	Rhinebeck	NY	Education	6,200	13.2	37.0	-8.3	-23.1	-8
2009	Chrisney Library (M)	Chrisney	IN	Public Assembly	2,413	16.7	46.7	-0.8	-2.2	-1
2009	Putney Field House (L) (M)	Putney	VT	Education	16,800	9.8	27.4	-0.6	-1.8	-1
2010	Bertschi School Science Wing (L) (M)	Seattle	WA	Education	1,425	48.1	134.7	-0.3	-0.8	0
2010	Energy Lab at Hawaii Preparatory Academy (L) (M)	Kamuela	HI	Education	5,902	11.0	30.9	-17.0	-47.5	-15
2010	Hood River Middle School Net-Zero Addition (L) (M)	Hood River	OR	Education	5,331	23.6	66.1	-0.3	-0.9	0
2010	Pringle Creek Painter's Hall (L) (M)	Salem	OR	Public Assembly	3,595	11.1	31.1	-4.3	-11.9	-5
2010	Richardsville Elementary School (L) (M)	Bowling Green	KY	Education	72,285	19.0	53.2	-2.6	-7.2	-3
2010	DPR Construction - San Diego (L) (M)	San Diego	CA	Office	24,144	14.8	41.1	-2.4	-6.8	-3
2011	Coastal Maine Botanical Gardens Bosarge Family Education Center (L) (M)	Boothbay	ME	Education	8,200	19.2	53.6	-4.3	-12.1	-4
2011	Locust Trace AgriScience Campus (High School) (M)	Lexington	KY	Education	70,000	9.9	27.6	-0.7	-2.0	-1
2011	TD Bank Branch - Ft. Lauderdale (L) (M)	Fort Lauderdale	FL	Office	3,970	91.8	257.1	-3.8	-10.5	-4
2011	VanDusen Botanical Garden Visitor Centre (L) (M)	Vancouver	BC	Public Assembly	19,000	37.7	73.9	-1.9	-3.7	-2
2012	Bullitt Center (M)	Seattle	WA	Office	51,800	16.0	44.8	-0.6	-1.8	-1
2012	David and Lucile Packard Foundation (L) (M)	Los Altos	CA	Office	49,161	14.1	39.5	-14.9	-41.7	-23
2012	DPR Construction - Phoenix (L) (M)	Phoenix	AZ	Office	16,533	26.8	74.9	-2.7	-7.6	-3
2012	Kohler Environmental Center (L)	Wallingford	CT	Education	31,325					
2012	Phipps Center for Sustainable Landscapes (L) (M)	Pittsburgh	PA	Public Assembly	24,350	18.2	51.0	-0.5	-1.3	0
2012	Sacred Heart Schools Stevens Family Library (L) (M)	Atherton	CA	Education	6,300	19.0	53.2	-11.8	-33.0	-15
2012	Smith College Bechtel Environmental Classroom (M)	Northampton	MA	Education	2,500	13.2	36.9	-6.2	-12.5	-6
2012	zHome - Issaquah (M)	Issaquah	WA	Multifamily	5,813	21.0	58.8	-1.0	-2.8	-2
2013	435 Indio Ave (M)	Sunnyvale	CA	Office	31,800	13.5	37.8	-15.2	-42.4	-23
2013	PNC Net-Zero Branch - Ft. Lauderdale (L) (M)	Ft Lauderdale	FL	Office	4,766	59.1	165.4	-5.4	-15.0	-6
2013	Sandy Grove Middle School (L) (M)	Lumber Bridge	NC	Education	74,000	19.3	54.0	-14.5	-40.6	-14

Zero Energy Certified

Year	Project Name	City	State	Building Type	Size (sf)	Total EUI	Source EUI	Net EUI	Net Source EUI	zEPI Score
2013	West Berkeley Public Library (L) (M)	Berkeley	CA	Public Assembly	9,300	23.1	64.7	-2.7	-7.5	-3
2014	DPR Construction - San Francisco (L) (M)	San Francisco	CA	Office	24,010	20.3	56.8	-2.6	-7.3	-4
2014	Perkins SEED Classroom (M)	Seattle	WA	Education	900					
2014	SFO Airfield Operations Facility (M)	San Francisco	CA	Office	21,000	26.9	75.3	-0.7	-2.0	-1
2014	The Health, Wellness and Nutrition Center at The Willow School (L) (M)	Gladstone	NJ	Education	19,991	21.8	61.2	-13.1	-36.8	-12
2014	Betty & Clint Josey Pavilion, Dixon Water Foundation (M)	Decatur	TX	Public Assembly	5,382	2.0	5.6		-2.8	
2015	Brock Environmental Center (L) (M)	Virginia Beach	VA	Education	10,518	14.6	40.8	-14.0	-39.3	-14
2015	Indigo Hammond & Playle Architects Office (M)	Davis	CA	Office	4,100	13.7	38.4	0.0	0.0	0
2015	Potomac Watershed Center (L) (M)	Accokeek	MD	Education	3,971	44.2	123.9	-1.7	-4.8	-2
2015	Suncoast Credit Union - Bushnell Service Center (M)	Bushnell	FL	Office	3,743	6.8	19.0	-1.6	-4.5	-2
2015	Phipps Conservatory SEED Classroom (L) (M)	Pittsburgh	PA	Education	955	11.0	30.8	-9.8	-27.5	-9
2015	R W Kern Center at Hampshire College (M)	Amherst	MA	Education	16,940	23.4	65.6	-3.0	-8.4	-3
2015	Cincinnati Police Department - District 3 (L) (M)	Cincinnati	OH	Public Order & Safety	39,500	26.6	74.5	-7.4	-20.7	-7
2015	Discovery Elementary School (M)	Arlington	VA	Education	97,588	8.6	24.1	-3.8	-10.6	-4
2015	Rocky Mountain Institute Innovation Center (L) (M)	Basalt	CO	Office	15,610	16.8	47.0	-9.4	-26.5	-12
2016	Cowhorn Vineyard	Jacksonville	OR	Other	2,200					
2016	Maclay Architects' Office (M)	Waitsfield	VT	Office	2,568	22.1	61.8	-2.9	-8.1	-3
2016	Alpine Branch Library (L) (M)	Alpine	CA	Public Assembly	12,681	29.1	81.5	-1.0	-2.7	-1
2016	Bill Fisch Forest Stewardship and Education Centre (M)	Whitchurch-Stouffville	ON	Education	3,897	29.9	58.5	-1.8	-3.5	-2
2016	King Street (L) (M)	Seattle	WA	Office	3,680	17.5	49.0	-8.8	-24.6	-12
2016	Frick Environmental Center (M)	Pittsburgh	PA	Public Assembly	16,440	23.0	64.4	0.0	0.0	0
2016	Hitchcock Center for the Environment	Amherst	MA	Education	8,950					
2016	Arch Nexus SAC Office (L) (M)	Sacramento	CA	Office	8,252	26.0	72.8	-1.3	-3.6	-2
2017	Entegrity Headquarters (M)	Little Rock	AR	Office	13,342	13.8	38.6	-0.8	-2.2	-1
2017	Houston Advanced Research Center (HARC) (L) (M)	The Woodlands	TX	Office	18,600	16.5	46.1		-3.7	

Year	Project Name	City	State	Building Type	Size (sf)	Total EUI	Source EUI	Net EUI	Net Source EUI	zEPI Score
2017	Pitzer College Redford Conservancy (M)	Claremont	CA	Education	10,631	15.8	44.3	-10.8	-30.3	-12
2017	Purdue University Ross Reserve (M)	West Lafayette	IN	Education	1,248					
2017	Wilde Lake Middle School (L) (M)	Ellicott City	MD	Education	106,622	13.8	38.6	-11.2	-31.4	-11
2018	Indian Creek Nature Center (M)	Cedar Rapids	IA	Other	12,000	32.7	91.6	-9.2	-25.7	-8
2018	King County North Utility Maintenance Shop (M)	Redmond	WA	Other	56,628	27.0	75.6	-0.3	-0.9	0
2018	Lakeline Learning Center (M)	Austin	TX	Education	23,475	43.0	120.4	0.0	0.0	0
2018	Lombardo Welcome Center (M)	Millersville	PA	Education	14,627	25.0	70.0	-19.0	-53.2	-18
2018	Miller Hull San Diego studio	San Diego	CA	Office	4,600					
2018	Design Engineers Headquarters (L) (M)	Cedar Rapids	IA	Office	14,800	29.6	83.0	0.0	0.0	0
2019	Co Lab (L)	Falls Church	VA	Other						
2019	Silver Oak Winery	Sonoma	CA	Other	109,000					
2019	M. Christine Murphy Horticulture Education Center at Overbrook School for the Blind (L)	Philadelphia	PA	Education	1,780					

Access case studies, research, guidance, models and more

The **Getting to Zero Resource Hub** is an open-source collection of over 300 zero energy and zero carbon resources across six different topic areas: design & development, embodied carbon, local governments toolkit, codes & policy, residential, and schools.



Design & Development



Embodied Carbon



Codes & Policy



Local Governments Toolkit



Residential



Schools

gettingtozeroforum.org/resource-hub

Zero Energy Verified

Year	Project Name	City	State	Building Type	Size (sf)	Total EUI	Source EUI	Net EUI	Net Source EUI	zEPI Score
2001	Environmental Tech. Center Sonoma State (M)	Rohnert Park	CA	Education	2,200	2.3	6.5	-1.5	-4.1	-2
2003	Audubon Center at Debs Park (off grid) (L) (M)	Los Angeles	CA	Other	5,020	17.1	47.9	0.0	0.0	0
2003	Science House (M)	St. Paul	MN	Other	1,532	18.0	50.4	0.0	0.0	0
2004	Challengers Tennis Club (M)	Los Angeles	CA	Other	3,500	9.0	25.0	0.0	-0.2	0
2005	CDPH Richmond Labs, Building P (L) (M)	Richmond	CA	Office	205,000	25.4	70.3	-4.3	-12.7	-7
2005	Hawaii Gateway Energy Center (L) (M)	Kailua-Kona	HI	Other	5,600	28.0	78.4	-3.0	-8.4	-4
2006	Oberlin College Adam Joseph Lewis Center (M)	Oberlin	OH	Education	13,600	31.4	87.8	-5.5	-15.5	-5
2007	Aldo Leopold Legacy Center (L) (M)	Baraboo	WI	Office	11,900	16.0	44.8	-2.0	-5.6	-2
2008	Bagatelos Architectural Glass Solutions (M)	Sacramento	CA	Other	63,000	11.6	32.5	-0.5	-1.3	-1
2008	Camden Friends Meeting Social Hall ^L (M)	Camden	DE	Public Assembly	3,121	17.9	50.0	-1.8	-5.1	-2
2008	Environmental Nature Center (L) (M)	Newport Beach	CA	Education	8,535	17.6	49.3	-10.1	-28.3	-12
2008	Hudson Valley Clean Energy HQ (M)	Rhinebeck	NY	Office	5,470	9.8	27.3	-0.6	-1.7	-1
2009	Bacon St. Offices (L) (M)	San Diego	CA	Office	4,500	12.7	35.6	-9.5	-26.6	-13
2009	Watsonville Water Resources Center Admin Building (L) (M)	Watsonville	CA	Office	16,000	51.4	142.7	-66.4	-187.1	-101
2010	Dovetail Construction HQ Barn (L) (M)	Richmond	VA	Office	6,800			0.0		0
2010	NREL Research Support Facility (L) (M)	Golden	CO	Office	222,000	46.1	129.1	0.0	0.0	0
2011	Anna Maria Historic Green Village (L) (M)	Anna Maria	FL	Other	9,797	28.2	79.0	-6.6	-18.4	-7
2011	Diamond X Ranch Student Intern Center-Malibu (M)	Calabasas	CA	Public Assembly	3,500	31.5	88.2	-3.6	-10.0	-4
2011	EcoCenter at Heron's Head Park (off grid) (L) (M)	San Francisco	CA	Education	2,400					
2012	Callville Bay Visitor Contact Station (M)	Boulder City	NV	Office	1,620	12.1	33.9	-1.8	-4.9	-2
2012	Leon County Cooperative Extension (M)	Tallahassee	FL	Office	13,000	19.4	54.3	-0.2	-0.6	0
2012	Plaza Point (L) (M)	Arcata	CA	Multifamily	20,283	15.3	42.8	-1.0	-2.9	-2
2012	TEEG (M)	Thompson	CT	Office	6,144	23.4	65.4	-0.5	-1.4	-1
2013	IBEW Local 595 Zero Net Energy Center (M)	San Leandro	CA	Education	45,001	16.3	45.6	-4.7	-13.2	-6

Year	Project Name	City	State	Building Type	Size (sf)	Total EUI	Source EUI	Net EUI	Net Source EUI	zEPI Score
2013	Lenawee Intermediate School District Center for a Sustainable Future (L) (M)	Adrian	MI	Education	8,750	7.7	21.6	-2.4	-6.7	-2
2013	Lincoln Acres Library (L) (M)	National City	CA	Public Assembly	4,835	13.1	36.6	-5.9	-16.6	-7
2014	231 Main Street (Alfandre Architecture, EcoBuilders, and Others) (L) (M)	New Paltz	NY	Office	5,400	45.2	126.4	-7.5	-21.0	-9
2014	CA DMV - Fresno Field Office (L) (M)	Fresno	CA	Office	19,808	23.1	64.6	-20.4	-57.0	-28
2014	Jess Jackson Sustainable Winery Building (M)	Davis	CA	Warehouse & Storage	8,500	1.4	3.9	-1.3	-3.6	-5
2014	Massachusetts Division of Fisheries & Wildlife - Field Headquarters Building (L) (M)	Westborough	MA	Office	45,000	26.1	73.1	-0.1	-0.2	0
2014	Odyssey Elementary School (M)	Woods Cross	UT	Education	84,785	15.0	42.0	-1.8	-5.0	-2
2014	Pahranagat National Wildlife Refuge Administrative Office and Visitor Contact Station (M)	Alamo	NV	Public Assembly	5,000	27.8	78.0	-12.0	-33.6	-12
2015	Ankeny Row Townhomes (M)	Portland	OR	Multifamily	8,500	8.4	23.5	0.0	0.0	0
2015	AP+I Design (M)	Mountain View	CA	Office	14,300	17.9	50.1	-0.5	-1.3	-1
2015	Bishop O'Dowd High School, Environmental Science Center (L) (M)	Oakland	CA	Education	3,275	18.0	50.3	-0.7	-1.9	-1
2015	Grantham Middle School (M)	Goldsboro	NC	Education	86,400	18.2	51.0	-7.9	-22.0	-8
2015	Gresham Wastewater Plant	Gresham	OR	Other	43,352					
2015	P.S. 62 (Kathleen Grimm School of Leadership and Sustainability) (M)	Staten Island	NY	Education	68,680	32.7	88.2	-1.0	-6.1	-1
2015	Sarasota Audubon Nature Center (L) (M)	Sarasota	FL	Education	2,500	10.3	28.8	-5.3	-14.9	-5
2016	Kay's Creek Elementary School (M)	Kaysville	UT	Education	84,785	14.2	39.8	-1.9	-5.4	-2
2016	Lumbree River EMC (M)	Raeford	NC	Office	10,000	37.9	106.0	-12.2	-34.1	-15
2016	Maui Army Reserve Center (M)	Wailuku	HI	Education	15,361	35.5	99.5	-0.1	-0.1	0
2016	Old Oak Dojo (M)	Jamaica Plain	MA	Public Assembly	924	13.6	38.0	-5.0	-14.0	-4
2016	Sbrega Technology and Learning Center - Bristol Community College (M)	Fall River	MA	Education	50,679	45.0	104.3	-15.9	-66.2	-15
2016	Spring Creek Middle School (M)	Seven Springs	NC	Education	96,000	19.2	53.7	-3.5	-9.6	-3
2016	Waitsfield Town Offices (M)	Waitsfield	VT	Office	4,700	28.1	78.6	-0.1	-0.4	0

Year	Project Name	City	State	Building Type	Size (sf)	Total EUI	Source EUI	Net EUI	Net Source EUI	zEPI Score
2016	Walden Pond Visitor Center (L) (M)	Concord	MA	Public Assembly	5,680	40.9	114.4	-22.5	-63.1	-19
2017	Associated Students Sustainability Center (L) (M)	San Fernando	CA	Education	2,858	44.5	124.5	2.5	7.0	3
2017	Blake Equipment (M)	East Windsor	CT	Warehouse & Storage	17,000	10.8	30.2	-7.6	-21.4	-17
2017	Gray House Dorm (M)	Putney	VT	Multifamily	6,084	31.7	88.7	0.0	0.0	0
2017	Twenty Mile Farm Administration and Maintenance Building (L) (M)	Boise	ID	Office	14,800	11.3	31.6	-7.3	-20.5	-10
2017	United Therapeutics ASSIST (M)	Melbourne	FL	Office	14,000	25.8	72.2	-39.6	-110.9	-49
2018	Jennings Creek Elementary (M)	Bowling Green	KY	Education	88,472	12.3	34.4	-2.9	-8.2	-3
2018	Mission of Mary Cooperative HQ (M)	Dayton	OH	Office	1,400	28.2	79.0	-0.2	-0.5	0
2018	Redding School for the Arts Activity Center (L) (M)	Redding	CA	Education	5,168	12.3	34.4	-7.4	-20.8	-9
2019	008 Energy Commission Building (M)	Sacramento	CA	Office	142,378	39.0	109.2	0.0	0.0	0
2019	010 Dept. of Rehabilitation (M)	Sacramento	CA	Office	163,350	49.0	137.2	0.0	0.0	0
2019	013 EDD Solar Building (incl. subterr.) (M)	Sacramento	CA	Office	272,546	38.0	106.4	0.0	0.0	0
2019	021 State Personnel Building (M)	Sacramento	CA	Office	84,400	47.0	131.6	0.0	0.0	0
2019	039 and 045 Office Building 8 and 9 (M)	Sacramento	CA	Office	628,592	44.0	123.2	0.0	0.0	0
2019	049 Education Building (M)	Sacramento	CA	Office	562,582	41.0	114.8	0.0	0.0	0
2019	106 State Record Ctr. & Whse (M)	Sacramento	CA	Warehouse & Storage	82,682	24.0	67.2	0.0	0.0	0
2019	153 Cal Trans District Office 3 (M)	Marysville	CA	Office	225,378	38.0	106.4	0.0	0.0	0
2019	330 California Towers (Riverside) (M)	Riverside	CA	Office	164,260	40.0	112.0	0.0	0.0	0
2019	480 Santa Rosa State Building (M)	Santa Rosa	CA	Office	97,377	46.0	128.8	0.0	0.0	0
2019	701 Fresno State Building (Hugh Burns) (M)	Fresno	CA	Office	254,090	40.0	112.0	0.0	0.0	0
2019	801 San Diego State Building (M)	San Diego	CA	Office	171,700	28.0	78.4	0.0	0.0	0
2019	850 Mission Valley Building (M)	San Diego	CA	Office	242,315	38.0	106.4	0.0	0.0	0
2019	860-Cal-Trans-District 11 (M)	San Diego	CA	Office	313,846	37.0	103.6	0.0	0.0	0
2019	901 Stockton State Building (M)	Stockton	CA	Office	62,850	41.0	114.8	0.0	0.0	0

Year	Project Name	City	State	Building Type	Size (sf)	Total EUI	Source EUI	Net EUI	Net Source EUI	zEPI Score
2019	Cedar Springs Dam Maintenance Station (M)	Cedar Springs	CA	Service	4,000	4.0	11.2	0.0	0.0	0
2019	Lake Oroville Visitors Center (M)	Oroville	CA	Public Assembly	14,852	1.6	4.5	0.0	0.0	0
2019	HopeWorks Station Phase 2 (L)	Everett	WA	Multifamily	31,000	15.0	42.0	-1.0	-2.8	-2

GETTING TO Zero

A HUGE THANK YOU!

The Getting to Zero Forum (gettingtozeroforum.org) is the premier event on net zero energy and carbon neutral buildings. Co-hosted by NBI and Rocky Mountain Institute, it spotlights the policies, programs and projects that are driving scale in this market. While the Forum is a three-day event, we recognize that this movement is 365 days a year. As such, we want to recognize our Getting to Zero sponsors for their support of the Forum as well as ongoing activities that fuel a new energy future for the built environment all year long.





Targets for zero energy and zero carbon outcomes are growing exponentially. Forecasts show \$78.8 billion of growth in the global zero energy (ZE) building market by 2025, according to Grand View Research Inc.

George D. Aiken Center at University of Vermont | Burlington, VT, Credit: Maclay Architects

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New Buildings Institute (NBI) is a nonprofit organization driving better energy performance in buildings to make them better for people and the environment. We work collaboratively with industry market players—governments, utilities, energy efficiency advocates, and building professionals—to promote advanced design practices, innovative technologies, public policies, and programs that improve energy efficiency. The Getting to Zero website houses over 300 curated resources including guidance, educational webinars, policy models, research, case studies, and more to help all buildings achieve zero energy. Visit gettingtozeroleadership.org to learn more.