

# Inventory of Zero in the US and Canada

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Energy and Environmental Building  
Alliance



# Executive Summary

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- The 2022 report showed a 190% increase in all projects reporting to be ZER/C or above.
- The latest report showed 440% growth in SFH at or above ZER/C.
- SFH makes up 60% of all projects reported in the US and 17% of those reported in Canada, the rest are MFH projects.
- Major growth of NZ and NP homes in the inventory. In 2015, ZER/C homes made up 85% of the inventory, whereas today it makes up 33%.
- The most frequently reported technologies deployed include, geothermal, PVs, battery storage, and EV car chargers.

# Growth Rate Findings



Overall there was **190% growth** from 2020, most of which derives from the **440% growth in ZE SFH**

67,107 Units

39,395 Homes & Apartment Buildings

3,096 Projects

## Breakdown of Top States and Provinces

# The Geography of Zero

Ranking by State: Top 20 ZE Units

State	Total Units
CA	28,663
NY	5,464
CO	5,456
AZ	4,693
FL	4,604
MA	3,292
ON	2,572
PA	2,352
OR	984
CT	930
BC	873
WA	827
ME	583
TX	546
IL	537
DC	462
HI	408
MI	285
MO	283
NM	276



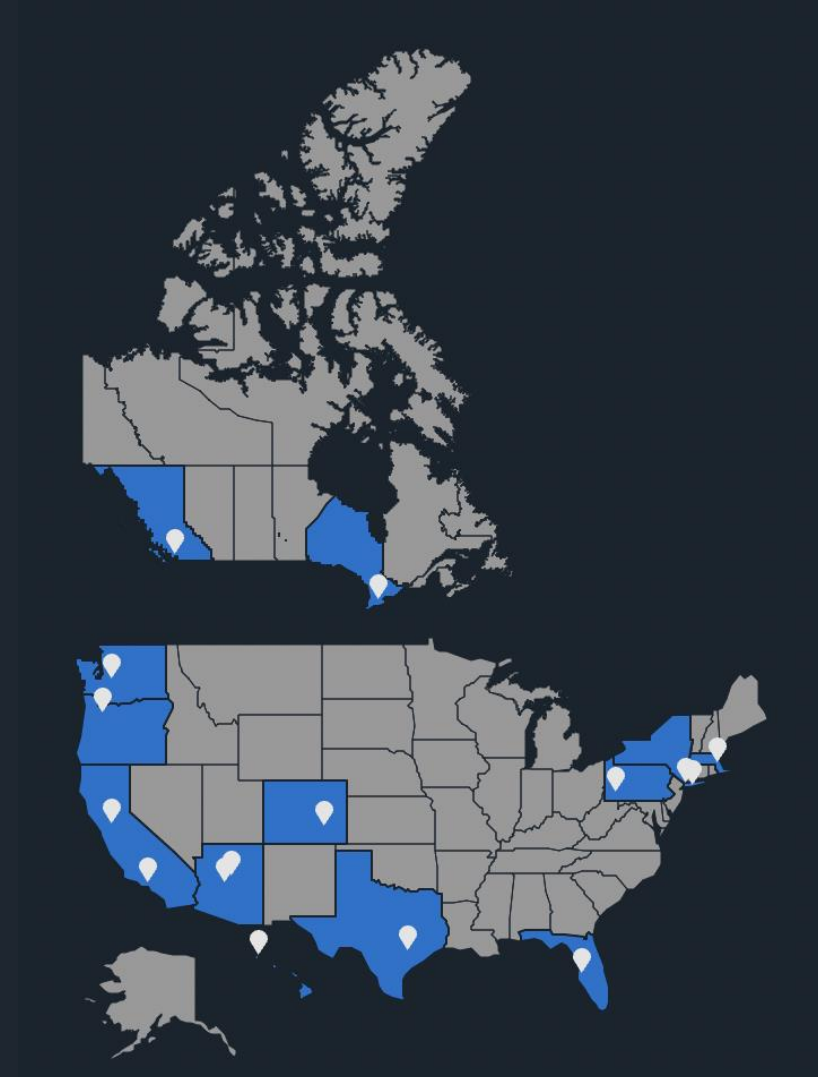
- Top 20 States and Provinces
- Non-Ranking

The top ten states and provinces all improved from last year. California doubled its number of units in one year.

## Breakdown of Top Cities

# The Geography of Zero

Ranking by City: Top 20 ZE Units	
City	Total Units
Santa Clarita, CA	21,500
Pueblo, CO	4,800
Waterset, FL	3,800
Prescott Valley, AZ	3,034
New York, NY	2,029
London, ON	2,001
Bronx, NY	966
Boston, MA	943
Brooklyn, NY	795
Philadelphia, PA	757
Vancouver, BC	752
Portland, OR	799
Davis, CA	670
Seattle, WA	498
Cambridge, MA	487
Far Rockaway, NY	456
Honolulu, HI	389
Clarkdale, AZ	362
Pittsburgh, PA	359
Austin, TX	352



- States with top 20 cities
- Non-Ranking



## Top Development Spotlight

# Santa Clarita, CA

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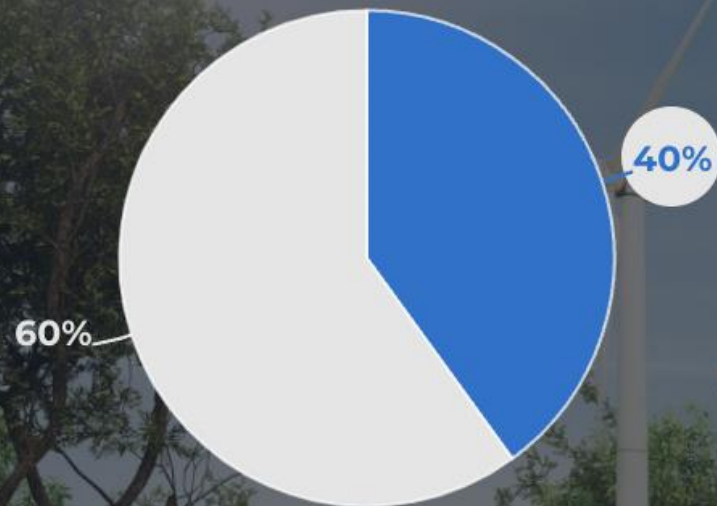
- Largest NZ greenhouse gas emission community in the US
- 21,000 homes, 11.5 million square feet of commercial space, 10,000 acres of open space
- Addresses the housing crisis while focusing on social equity and environmental justice



# Growth in MFH VS. SFH NZ

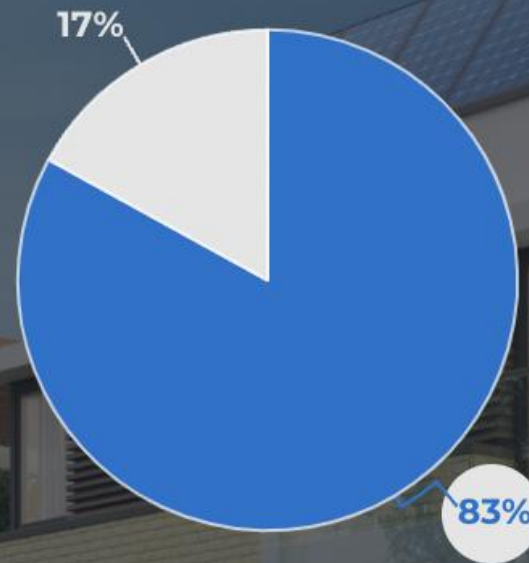
MFH Units Vs. SFH Units

**USA**



● MFH Units ● SFH Units

**CANADA**



● MFH Units ● SFH Units

	MF Units	SF Units	Total Units
USA	25,264	37,991	63,255
Canada	3,197	655	3,852
TOTAL	28,461	38,646	67,107

440% increase in SFH  
going zero

Breakdown of Canada

# The Geography of Zero



- States with top 20 cities
- Non-Ranking

## Growth in MFH and SFH NZ

MFH Units

3,197

SFH Units

655

Total Units

3,825

## Top Cities

Vancouver, British Columbia

752 Units

London, Ontario

2,001 Units

## Growth Rate

47% growth rate of SFH units from 2020-2022



By Number of Projects and Units

# Top Architects

Architect	No. of Projects	No. of Units
Kaplan Thompson Architects	80	104
Zero Energy Plans	51	70
ZeroEnergy Design	16	10
Ewers Architecture	15	17
Marken Design + Consulting	7	11
PassiveHouse BB	7	8
Baxt Ingui Architects	7	7
GVI International	6	6
Pill-Maharam Architects	5	67
DSA Architects	5	5
A.M. Benzing Architects	4	4
DLP Architecture Inc	4	7
CK Architects	4	4
Sam Rodell Architects	4	32
Handel Architects	2	1,002



Kaplan  
Architects



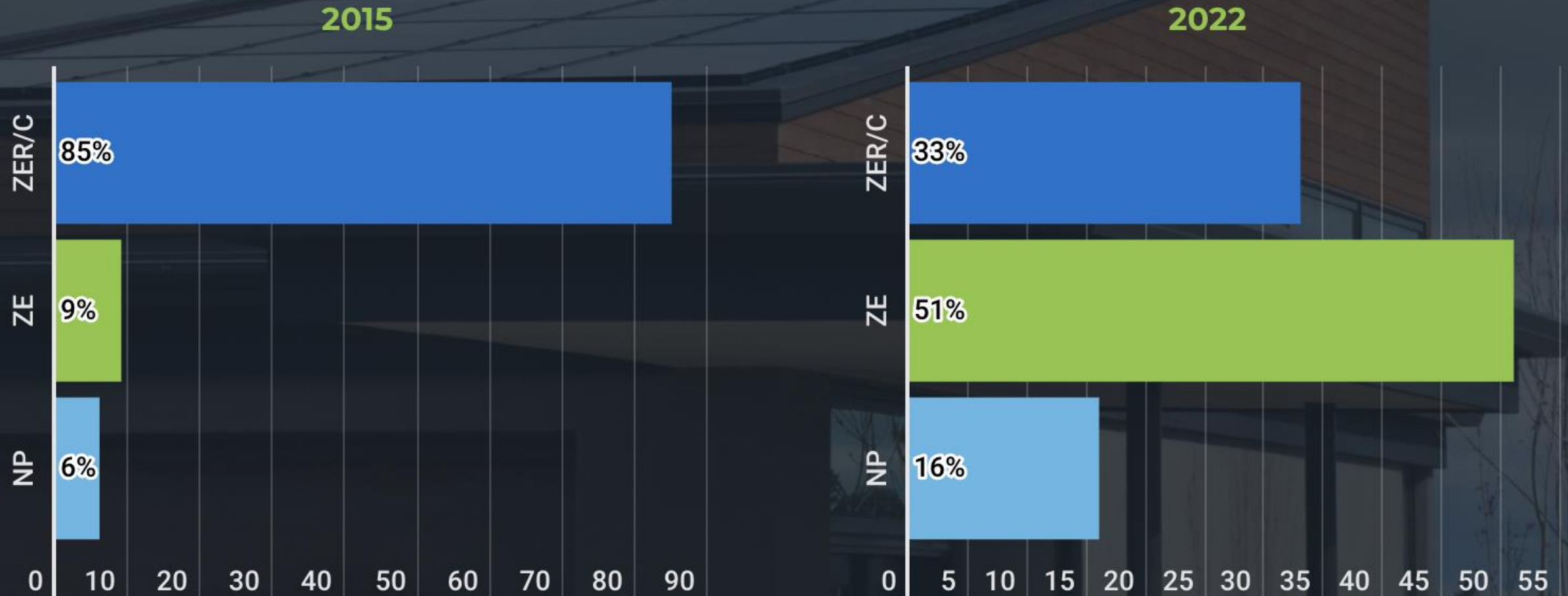
By Number of Units

# Top Builders and Developers

Builder / Developer	No. of Units
FivePoint	21,500
Jevin Investments, Inc	4,800
Planet Greenenergy	4,632
Mandalay Homes Inc.	4,278
Sifton Properties	2,001
Cooperation For Better Housing	1,029
Onion Flats	684
Carmel Partners - UC Davis	662
Thrive Home Builders	641
Danco Communities	624
Thrive Collaborative	429
Hawai'i Community Development Authority	389
Community Housing Works	372
Cascade Built	370
Doug Tarry Homes	283

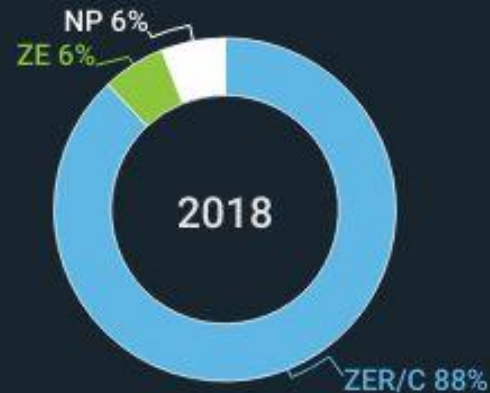
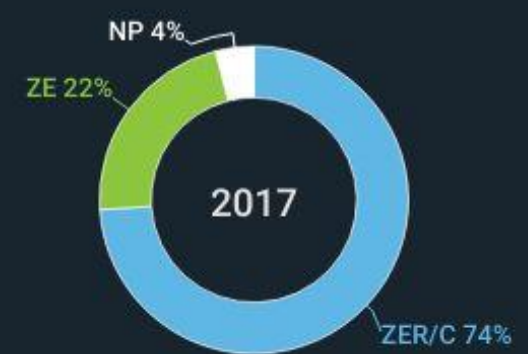
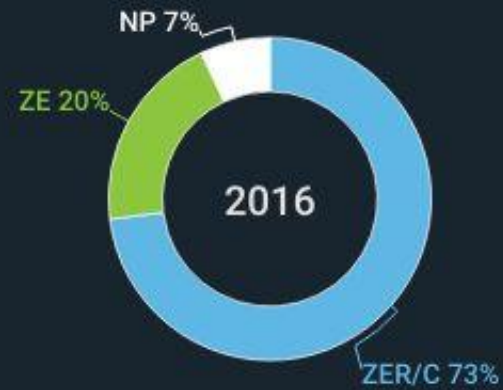
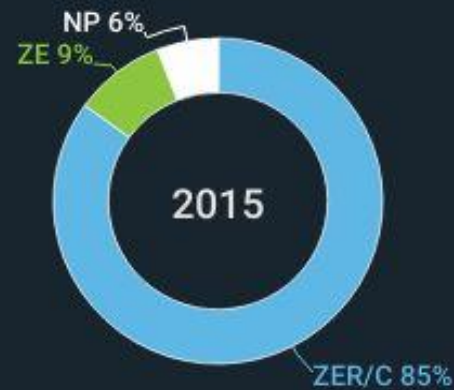


# Energy Performance



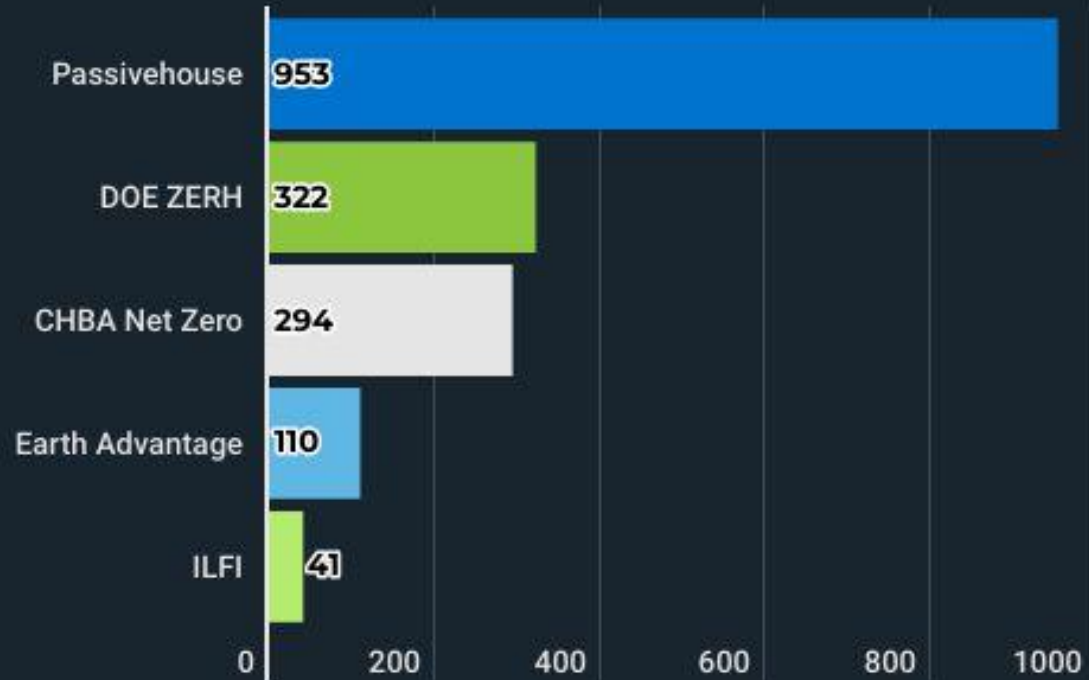
# Percentage of Units By Energy Performance

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# ZE Rating Systems Reported



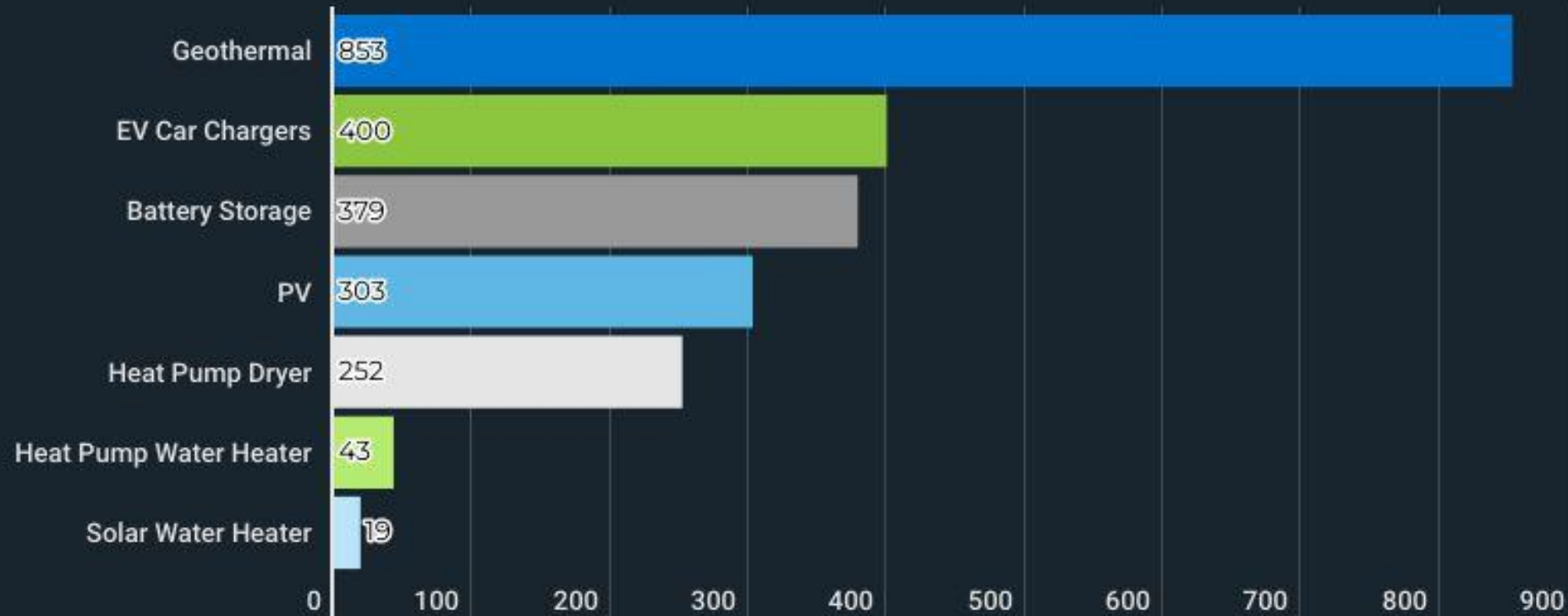
Grand Total of  
Reported Systems:  
1,720





Residential

# Most Reported High Performance Technologies



Grand Total Technologies: 2,249

# Projects by Phase

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## Completed

**2,237** Projects

**15,360** Units



## Under Construction

**349** Projects

**14,613** Units

**Grand Total of Units in All Stages: 67,107**

44% increase in completed  
ZE projects and an 83%  
increase in projects under  
construction

# Acknowledgements

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The Energy & Environmental Building Alliance (EEBA) has provided the most trusted resources for building science information and education in the construction industry. EEBA delivers turn-key educational resources and events designed to transform residential construction practices through high-performance design, marketing, materials, and technologies. Through our educational events, annual Summit, and various publications and resources, EEBA reaches thousands of key decision-makers and other important industry players each year. EEBA hopes to create a community that comes together to learn, share, and collaborate toward a future where all homes are healthy, resilient, and net zero energy.

Learn More and Join Us!

<https://www.eeba.org/>

**Report your project or refer other projects  
and  
builders for the next inventory:**

<https://teamzero.org/add-your-listing/>

# Collaboration Partners

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# Questions?

Click on the link below to access the 2022 Inventory of Zero  
in the US and Canada:

<https://www.eeba.org/netzero/inventory>



# Thank You!



# EEBA

Energy & Environmental Building Alliance