















wegowise T	otal energy	use	in Btu/ft ²		Wright House
Name	*Full-Year Sum	1	Detailed data per month	to are currently viewing the last 2 years of data only	2014
Memory Care at Allen	1506	\mathcal{X}	822		
Fouriends	031k	1			aller at the time and
Cathedral Sourie Seri	79.6k	1	-		
let-hill Sener Housing	55.2k	1	-		
Rupples House	54.3%	1	11 N 1		
Whitney Hill	544	1		1 / 7	
Grand Way Commons	52.5k	\mathbb{Z}	VE		
Town Meadow	52.3k	2	"SG		Manager and Andrew and Andre
Kelley's Field	52.2k	4			W AND
Wright House	51.3k	4	0 May 10 Sep 19 Am 2	0 May 20 Sep 20 Jan 21	
South Burlington Com	42.0k	1			
McAuley Scholars & In	0.74	4			Elm Place
Alard Square	45.5k	- S	Cathedral S	quare Building	s 2017
McAuley Square Elder	41.2k	4	Passive House	Flm Place only 2%	
Heinsberg Serior Hous.	42.98	1		2	
Theyer House	42.6k	4	adai	rional cost	
Whitcomb Tensos	42.3k	1	But 40% less	s energy demand	
Holy Cross Serier Hos.	41.14	\mathcal{A}	Source: Cathe	dral Sauare	
Whitcomb Woods	42.6k	1			
Matroe Place	39.28	4			
Richmond Terrace	31.34	1	vermont		68% less energy for heating/cooling
Em Place	30.7%		possive house	V6	than a VI 2020 Stretch Code building









Project	Pre-conversion HVAC EUI (Btu / sq ft)	Code Minimum HVAC EUI (Btu / sq ft)	Post- Conversion HVAC EUI (Btu / sq ft)	Pre- conversion to Code HVAC Savings	Code to Post- Conversion HVAC Savings	Pre-conversion to Post- conversion HVAC Savings
Law Office	46.0	44.6	12.3	10%	73%	75%
Pizza Restaurant	322	277	159	14%	43%	51%
Government District Office ¹⁰	33.1	26.9	7.7	18%	73%	77%
Utility District Office	60.4	55.1	37.0	9%	33%	39%
Airport Terminal Building	117.7	87.3	13.3	26%	85%	89%
Government Dormitories (4)	66.7	31.7	15.3	52%	52%	77%
Seattle Office	31,4	31.2	9.6	1%	69%	69%
Restaurant	289	239	65	17%	73%	77%













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Passive House Multifamily Incentives

• 100% of feasibility study cost up to \$5,000

75% of PH modeling cost up to \$20,000
\$3,000 per unit for PH certification

Current PH Enrollment Stats



Represents 6,500+ units

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• 70 buildings have completed PH feasibility studies

>See phmass.org video library for free recordings



mass save

	Efficiency VT's Multifamily Incentives for the Passive House Standard			
	Base \$2,700 per apartment (includes VGS portion in VGS territory)			
	Energy modeling for building	50% of modeling cost (up to \$5,000} if conducted early in support of integrated design process; must include EVT Energy Consultant in process		
	Thermal Shell commissioning	50% of commissioning cost (up to \$5,000) if air leakage target is 0.10 cfm50/sqft. exterior building shell area or less		
	Passive House	Additional \$300 per unit incentive for successful Passive House certification		
vermont pos	sta 5.51 sive house			

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	Kaplan Thompson Proto deploy in multiple	ototype locations
Dakota	PASSIVE HOUS	SE AT SCALE
Partners Passive	Oak Tree Village CT:	144 units
House	Cedar Pointe, CT:	108 units
Prototype	Friar's Court, NH:	81 units
	Goffstown, NH:	48 units
empol posier hore	Total:	381 units











	Air sealing + V	entilation be	efore Insula	tion	
	PASSIVE HOUSE	Heating demand specific:	4.92 kBtu/ft²yr	~	
	CODE AIR TIGHTNESS	Heating demand specific:	9.14 kBtu/ft²yr	×	
	BATH FAN "VENTILATION"	Heating demand specific:	21.12 kBtu/ft²yr	×	
remont in La	ALL THE INSULATION	Heating demand	16.55 kBtu/ft²yr	×	e



















	We are bringing it to the Tropic's Hot and Humid Climate				
	The cooling conund "Global energy demand from air conditioners is expected to triple requiring new electricity capacity th to the combined electricity capacity States, the EU and Japan today"	rum by 2050, e equivalent of the United			
	<u>" The global stock of air conditioners in</u> buildings will grow to 5.6 billion by 2050, up from 1.6 billion today – which amounts to 10 new ACs sold every second for the next 30				
vermont <u>statut</u> possive house	<u>years"</u>	Source: The 2018 International Energy Agency report "The Future of Cooling" https://www.lea.org/reports/the-future-of-cooling			

We are bringing it to the Tropic's	
Hot and Humid Climate	
Image: State	1 0.6