ENERGY CONSIDERATIONS CHECKLIST (November 27, 2011) Planning & Community Development and Code Enforcement Offices Town Hall, 15 Newmarket Road, Durham, NH 03824; 603-868-8064



-PURPOSE -

This checklist was developed by the Durham Energy Committee together with the Durham Planning Board. It is intended to encourage developers, applicants for Site Plan Review, applicants for building permits, and members of the Durham Planning Board to consider and discuss optional energy efficiency measures appropriate to a specific application rather than to mandate general requirements. Discussion at early stages may result in opportunities for energy and cost savings.

Date Appl Engi	Project name (1976) Date of Submittal Applicant name Engineer name Architect name		•	RIVERSIDE CANDING CONDOS 9/9/13 ALEX BAKMAN COREY KYLE BAKER New Construction PRe-Development, Addition or Renovation					
PAR	т І. І	rection rection	der Keiler	DNSTRUCTION, SYSTEMS AND MATERIALS					
				onal Accredited Rating for Building Energy System					
01		- L	4						
Cnec	K One	e box:		Does your building meet standards for: • Passive House Institute* http://www.passivehouse.us/passiveHouse/PHIUSHome.html					
				International Living Building Institute/Living Building Challenge* http://living-future.org/lbc					
				LEED* (Platinum, Gold, Silver) http://www.usgbc.org/>					
				Energy Star* http://www.energystar.gov/>					
		٥	*3 8	Other [please indicate Internet address or other reference] The project in the large and blinked approximation of Civility and					
				* These organizations have established energy-efficiency criteria. Qualifying applicants are encouraged to complete and attach the checklist from that certification (to be used for informational purposes only) and may then skip to Part IV, "Consultation with Director of Zoning, Building Codes & Health."					
		0	. (Sales)	None of the above					
Yes	No	N/A	Ener	gy performance and insulation					
		A	2	Attic or ceiling insulation exceeds Town code (R value proposed =) (see Chapter 38)					
		۵	3	Walls insulation exceeds Town building code (R value proposed = (see Chapter 38)					
		a	4	Air sealing: passive air infiltration rate proposed*:					
	ū	Ø	5	Slabs: R value proposed					
۵		Z	6	Basement foundation: R value proposed					
	۵	₫		Hot water pipes: R value proposed					
		7	8	Heating ducts: R value proposed					
0	۵	图	9	Plans to commission the building to confirm performance					
				* "Tight" envelopes require ventilation, typically with the use of energy or heat recovery ventilation systems.					

Yes	No	N/A	Cons	struction methods and materials	canning to good to the		7 600 100	100x 1 = 10
		Ø	10	Net zero construction, i.e., building(s) uses less than or same amount of energy it g			E/71.	IM:
Ø	0		11	Energy efficient doors and windows (including screens)	(Com	8 01	MINT	314
۵	۵	Ø	12	Recycled content materials 33-803 (\$2824), ms/mud, bsoft following	oM CI	,lisi	1 mw	OT
Yes	No	N/A	Inter	nal systems				
		Ø		Low-flow plumbing fixtures				
		a		Lighting: high efficiency				-
0		9		Energy usage monitoring system(s)				
P	0	11611		Energy-efficient appliances (refrigerators, stoves, air conditioners, ceiling fans, etc.)	ylikisəri	lo zh	11	
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	021	os Z illo	18					
0		Ø	19					
0		Z	20		181 201140 181 201140			
	0	4	21	Window technology or design that adjusts shading (active or passive, e.g., film, sen	nsors)	18 (1	Tracia 1	-
0	<u> </u>	7	AND DESCRIPTION OF THE PARTY OF	Ability to charge electric vehicles	100000000000000000000000000000000000000	-		
_		8	23		r flower	gard	lens)	i de la compansión de l
		3	24			3	17-10-10-10-1	1400
_	<u> </u>	6	25		163310	**************************************	2-10-	695
_		1	26	Cooling load reduction features, e.g., ceiling fans, solar-ray-blocking blinds	em	ian i	nsoi	iqq
		-	20		+3.69	V35105	neer	Same and
								1
and the second state of	***************************************	ing out the specification			- 1911 - 1911	14577	iooii	
Yes	No	N/A	77-7-7	TING CONSIDERATIONS (if not applicable, check here) lighting, heating and cooling (passive and active)	and control of the same of the			
	0	0		Passive solar lighting design (optimizes natural illumination for interiors)				
		6		Solar access: availability of, or access to, unobstructed, direct sunlight, usually sour	uth-facin	g		
				Preservation of abutting solar rights, e.g., solar skyspace easements applicable to	all plots	with	in a	es. 6
0	0	Ø	29	subdivision or to your neighbors	T. J. F. 145. 1	MMO	1 49 1	MA
		Ø	30	Orientation of internal streets allows solar access	e:14			
		9	31					
		P	32	Window placement maximizes winter solar penetration and minimizes solar penetra	ation in	sumr	ner	peri
		Ø	33	Vegetated rooftop(s), also known as a "green roof"		L		
.,		Son	เนเล.บาร	* International Living Building Institute/Living Suilding Challenge Shitp://living-fu				
Yes	No	N/A	Park			last to		
<u> </u>	0	ar d		Incentives for tenants without cars ("no free parking")		ford.		
0	0	Ø		Compact car space designation	(=0=")			
0	0		36	Advanced technology and/or alternative fuel car space designation (e.g., hybrids; "l	E85")	61		
Yes	No	N/A	Tran	sportation, accessibility, connectivity		See al		
0	VO.	De la		Pedestrian sidewalk network within the project area				
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	0	a	39		ircle	TU		
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		(86	algariC			i.		
				4 Air sealing: passive air infiltration rate proposed":		E)		L
				5 Slabs: R value proposed		Last.		-
				6 Basement foundation: R value proposed		10	D	£.,
				7 Hot water pipes: R value proposed				
				8 Heating ducts: R value proposed		50		
				9 Plans to commission the building to confirm performance				

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ART	O O O O O O O O O O O O O O O O O O O	य य य य य य	Lower 41 42 43 44 45 Cove 46 47	Town water use results in lower electricity demand at water and wastewater treatment plants. Rainwater storage, e.g., cisterns Existing vegetation or native species plantings Xeriscaping (low-water-demand plants) Low-nitrogen-demand turf grass Rain garden ("bioretention system") to manage stormwater runoff from roofs, driveways, parking area terms (e.g., for homeowner associations) allow: Outdoor clotheslines Installation of outdoor energy-efficiency devices, such as solar panels ION WITH DIRECTOR OF ZONING, BUILDING CODES & HEALTH
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es l	No			
			48	Date:
				Notes from consultation:
				Signature of Town's Director of Zoning, Building Codes & Health:
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