



LEED-NC v2.2 and California Title 24 2005

The technical standard referenced as the basis for LEED-NC v2.1 energy performance credits has been updated for version 2.2. While previous versions of LEED-NC referenced ASHRAE/IESNA 90.1-1999 for energy credits, LEED-NC v2.2 references ASHRAE/IESNA 90.1-2004. Since the California Title 24 energy standard has also been updated, a reevaluation of the equivalency that currently exists between ASHRAE 90.1 and Title 24 for LEED-NC v2.2 registered projects was necessary and has been completed. The following has been approved by both the Energy and Atmosphere Technical Advisory Group and the LEED Steering Committee effective for all LEED-NC v2.2 projects:

USGBC deems Title 24-2005 to be directly equivalent to ASHRAE 90.1-2004 for purposes of certification of the following LEED-NC v2.2 credits:

- Minimum Energy Performance - EAp2
- Optimize Energy Performance - EAc1
- On-Site Renewable Energy - EAc2
- Green Power – EAc6

LEED credit will be awarded based on established LEED-NC v2.2 performance thresholds for EAc1, EAc2, and EAc6, as in the spreadsheets below.

LEED-NC v2.2 - Energy and Atmosphere
California Title 24-2005 and ASHRAE 90.1-2004

	New Construction							
	EAp1*		EAc1		EAc2**		EAc6**	
	90.1-2004	Title 24 2005	90.1-2004	Title 24 2005	90.1-2004	Title 24 2005	90.1-2004	Title 24 2005
Pass	Y	Y						
1 Point			10.5%	10.5%	2.5%	2.5%	35.0%	35.0%
2 Points			14.0%	14.0%	7.5%	7.5%	70.0%	70.0%
3 Points			17.5%	17.5%	12.5%	12.5%		
4 Points			21.0%	21.0%	17.5%	17.5%		
5 Points			24.5%	24.5%				
6 Points			28.0%	28.0%				
7 Points			31.5%	31.5%				
8 Points			35.0%	35.0%				
9 Points			38.5%	38.5%				
10 Points			42.0%	42.0%				
ID Credit			45.5%	45.5%				

	Existing Building with major renovations							
	EAp1*		EAc1		EAc2**		EAc6**	
	90.1-2004	Title 24 2005	90.1-2004	Title 24 2005	90.1-2004	Title 24 2005	90.1-2004	Title 24 2005
Pass	Y	Y						
1 Point			3.5%	3.5%	2.5%	2.5%	35.0%	35.0%
2 Points			7.0%	7.0%	7.5%	7.5%	70.0%	70.0%
3 Points			10.5%	10.5%	12.5%	12.5%		
4 Points			14.0%	14.0%	17.5%	17.5%		
5 Points			17.5%	17.5%				
6 Points			21.0%	21.0%				
7 Points			24.5%	24.5%				
8 Points			28.0%	28.0%				
9 Points			31.5%	31.5%				
10 Points			35.0%	35.0%				
ID Credit			38.5%	38.5%				

* Projects earning EAc1 points use EAc1 documentation to document EAp1

** Based on Design Energy Cost from EAc1
Bold Red Text is exemplary performance threshold

California LEED-NC v2.2 projects do not need to provide justification or support of T-24 2005 equivalence when applying for LEED-NC v2.2 certification. Furthermore, project teams documenting achievement of any EAc1 points using T-24 2005 are assumed to be in compliance with EAp2 and need only reference this fact in their EAp2 submittal.