ZONING REVIEW - West Windsor Township, NJ



unintentionally prohibit PV development. Compile findings in a memo, and commit to PZD-1: Review zoning requirements and remove restrictions that intentionally or reducing barriers to PV during next zoning review.

these barriers during the next community zoning review. To assist your community, the national requirements, (b) identify restrictions that prohibit PV development, and (c) commit to addressing This SolSmart prerequisite requires communities to (a) conduct a review of zoning

considerations for the creation of such an ordinance. Solar may still be worth adding to the use tables for each district in the existing As there are no references to solar in the current code, the development of a solar ordinance may be advisable. Below are some sections of the code, even solar's status as by-right is established in the solar ordinance.

Gaps in current code language

Element	Best Practice	Reviewer Comments		other codes
Intent/purpose	 Many municipalities have inserted language explicitly encouraging solar in the section that lays out the intent and purpose of the solar ordinance. 	 No solar ordinance. Nothing in purpose of Zoning ordinance related to solar. Solar PV facility or structure listed as inherently beneficial use by NJ MLUL 40:55D- 	thing in purpose of ed to solar. cture listed as e by NJ MLUL 40:55D-	See P.7-8 of DVRPC Renewable Energy Ordinance Framework
		use which is ur use which is ur value to the co fundamentally and promotes incompled to the control of the cont	"Inherently beneficial use" means a use which is universally considered of value to the community because it fundamentally serves the public good and promotes the general welfare. Such a use includes, but is not limited	

practicable."	• Section • Section	Encouraging subdivisions to be laid out in an orientation that would maximize either active solar or passive solar benefits. Some possible ways to encourage solar include waiving permit fees, providing density bonuses, reducing minimum parking requirements, and mandating orientation to reducing solar energy, consi	 Allow small rooftop and ground mount solar installations in all major zoning districts as a use-by-right (allowed without special review) Many communities identify and allow for solar installations as accessory uses in every district Allowed in Princeton Junction Redevelop Area districts NJ MLUL 40:55D-66.11 - Wind and solar facilities permitted in industrial zones 	 Definitions Include in the definition of a solar energy system: solar collectors or solar energy devices used for space heating, space cooling, electric generation, and water heating Define and distinguish between largescale or primary use installations and secondary or accessory use installations 	structure.
shall be provided to the extent practicable."	of cold winter winds and to take advantage of cooling summer breezes)." Good 200-257 2e Solar pv systems on parking decks encouraged 200-258 C23 "Green roof planting on flat roofing of multistory buildings or provide light color for roof surface shall be implemented, and solar photovoltaic systems on roofs and parking decks	Section 200-36 Supplemental design criteria. o "Site planning should respect climate and wind orientation to ensure proper building siting enabling energy conservation (e.g., maximize solar energy, consider proper wind orientation to reduce negative effects ("Creating Incentives")	E1666/laws/L development nd solar nes	ar. Consider adding	structure.

perr rest Inte	and setbacks • Do r		Rooftop fire • Limi	to h	• Limi	ldud	• Allo														requ	solar	setba	Setbacks • Requ		Accessory use •Exen	buildings		Lot coverage Exemp		mour	restri	or all	Height • Provi
percentage of rooftop coverage (These restrictions may be amendments to the International Fire Code or part of the	Do not restrict rooftop solar based on a	ridges to 3' and 1.5' from valleys and headwalls to allow access	 Limit setback requirements from roof 	to historic districts	Limit screening or aesthetic requirements	public roadways	Allow PV installations to be seen from	Exempt solar from roottop equipment Screening requirements	to los formandos portiones												requirements	solar an exemption from setback	setback required of buildings, or allow	 Require a setback applicable to tences to 	allowable number of accessory uses	 Exempt solar from the maximum 	igs	coverage restrictions that apply to primary	Exempt ground mount solar from lot		mount solar height of 10'-15'	Identify a maximum allowed ground	or allowance above building height	 Provide rooftop solar an exemption from
	100		•					•	•						9.									•	T	•	,		•					•
			This is covered in the 2015 I-Codes.	a apply to	screening provision would not apply to		191		Section 200-229 F refers to proper screening	This is a restrictive setback	modified by this chapter."	rear property lines, except as herein	minimum of 20 feet from side and	residential districts shall be set back a		4.	unless otherwise permitted in this	any front, side or rear yard area,	accessory uses shall not be located in	impair the neighborhood. Such	premises on which they are located or	do not alter the character of the	"All accessory uses shall be such as	Uses		I see no restrictions on number of accessory		from calculations of impervious surface or	ts solar panels	This most likely includes solar PV, which is best practice.	conditioning, and similar equipment).	(mechanical services, air-	building service equipment	on 200-4 Definitions
	LA PV Fire Safety	Ground Procedures	San Francisco Solar PV			Historic districts	Framework	Energy Ordinance	P.19 DVRPC Renewable														Energy Systems	the Regulation of Solar	P 7 8 Model Zoning for		Energy Systems	Regulation of Solar	P. 9 Model Zoning for the					model solar ordinance

Historic district guidance	Preexisting non- conforming uses	Ground mount solar	Glare	
 Municipal code should clearly explain the review process for historic districts. Historic commissions and review boards are encouraged to write design guidelines that support the development of solar energy systems and are sensitive to the historic preservation goals of the Commission. 	 Code should exempt rooftop solar or small ground-mounted solar from any special permits that may be required for alterations to a lot or structure that contains a preexisting non-conforming use. 	 Allow for small ground mount installations as accessory uses and large, primary use installations through a conditional or special use permit 	 Do not regulate glare from photovoltaic installations as PV modules use non-reflective glass and are designed to absorb rather than reflect sunlight. PV modules are generally less reflective than windows. Municipalities can defer to the Federal Aviation Administration to regulate potential glare from solar installations on or near airports 	development regulations instead of the
•	•	•	•	
Is there a historic district? I do not see one listed under the various zones.		NJ MLUL 40:55D-66.11 - Wind and solar facilities permitted in industrial zones	Section 200-25 Technical performance standards applicable to all uses. "Glare. No use, operation or activity shall produce an illumination in excess of one footcandle in a residence district. In all other districts, light intensities of all illumination sources shall be kept as low as possible and shall not interfere, annoy, cause deformity or cause loss in visual performance to persons and animals of neighboring uses." This could be very restrictive to solar. Best practice is to exempt solar from glare restrictions.	
Solar PV Projects on Historic Buildings and in Historic Districts NC Clean Energy Technology Center: Installing Solar Panels on Historic Buildings	model solar ordinance	P. 38 APA's Integrating Solar Energy into Local Development Regulations	PV at airports	

	needs, so regulating by capacity is not			
	NJ, the generating capacity of a system			
	Additionally, to be eligible for net metering in	•	is often irrelevant to the impact	
	size.		be consumed exclusively on-site), as this	
9	power can be produced with the same panel		accessory use solar electricity generation	
	improvement in panel efficiency, when more		energy generated (e.g. requiring that	
	they produce. This allows for more ruture		 Do not regulate based on the use of the 	
100	requirements rather than now much energy		technologies change over time	
Example: 1 or colling	systems with neight and setback		capacity (kW) as efficiencies and	
NOITH Calonia	more permissive to control the size of		impact of the installation rather than the	impact
And Coming for Solar III	on area of impact. In other words, it would be		based on the area (e.g. square feet) or	on the area or
See p. 19 of Planning	Best practice is generally to regulate based	•	 Define and regulate solar installations 	Regulate based
)			development and subdivision regulations	
	than 10% of initial installation		provisions (such as orientation) in	
Veddigilone	Increase cost of installation by more		 Include active and passive solar 	
ם כו	o Any HOA regulations may not		for installations)	rights
Porry IA Subdivision	o HOAS cannot pronibit solar		access and rights (e.g. solar easement	access/solar
866 0404	N.J.S.A 45:22A-48.2 - Solal Rights Law	•	 Establish a mechanism to protect solar 	Solar

Signature	and comr	AND TO CONTENT MAINTEN
Da	[Title] ussing these gaps at the next code.	marana alle marine marian
Date 7-9.19	[Community] [State] the next community zoning review the code.	west whose no