City	Ordinance No.	Date of Adoption	General	System Type (if specified)	Location	Height	Screening	Glare	Discontinuance	Other
			• the city council finds that the	Roof-Mounted		 shall not be installed greater than six inches between the panel and the roof Commercial shall be installed, constructed or placed behind the front building line 				 shall be a forest green, black, brown or grey color or other neutral color designed to blend in with the surroundings
Addison	<u>Article 8 18.726-730</u>	3/22/2011	maintenance and integrity of neighborhood beauty is important to all citizens. The uncontrolled proliferation of solar energy systems is likely and such proliferation will adversely affect the health, safety and general welfare of the citizens of the city. • No person shall install, construct, or place solar energy systems on any property within the city without first obtaining a building permit from the city.	Ground-Mounted	shall be installed, constructed or placed in the back one-half of single-family lots shall be installed, constructed or placed behind the front building line on multifamily lots	solid fence, wall or landscaping to a minimum				 shall be a forest green, black, brown or grey color or other neutral color designed to blend in with the surroundings
llen	<u>Sec. 6.06.11</u>	11/27/2012		Roof-Mounted	may not directly face any public street regardless of screening may not be located within the front yard	 on a flat roof, shall not exceed the height requirement for the zoning district shall be parallel to the roofline 	 shall be screened as rooftop mechanical from the public right of way if on a flat roof 	panels shall be designed and located to avoid glare or reflection onto adjacent properties and roadways a system or any component thereof that creates glare or reflection is determined to constitute a nuisance and the director of community development has the authority to require removal, redesign, or screening of the panels	panels that are inactive for a continuous 12-month period shall be removed	 shall not extend past the roofline systems shall be located no closer than two feet from the edge of any roofline, ridge or valley shall cover no more than 80% of the roof surface area
Argyle	<u>14.3.73-2</u>	7/28/15 (code of ordinances)	 allowed by right in all zoning classifications where structures of any sort are allowed if not visible from a public or private street SESs visible from a public or private street shall be permitted by SUP in all zoning classifications where structures of any sort are allowed 	Ground-Mounted	 may not be visible from a public or private street Solar Energy Systems visible from a public or private street shall be permitted by Specific Use Permit in all zoning classifications where structures of any sort are allowed Utility Grid Solar Energy Systems are prohibited within the Town shall be setback in accordance with the minimum setbacks specified in the zoning district in which the system is located No portion of a Solar Energy System shall be placed in easements unless authorized in writing by the easement holder 	 shall not exceed the maximum height of structures as specified in the zoning district in which the system is located; increased height may be allowed on a case by-case basis with Town Council approval 	Prohibit		 shall be considered abandoned if the Solar Energy System is not operated for a continuous period of three (3) months, unless the owner of said Solar Energy System provides proof of continued maintenance on a quarterly basis upon abandonment or discontinuation of use, the person who constructed the Solar Energy System or the person who operated the Solar Energy System or the property owner or occupant shall physically remove the Solar Energy System within 90 days from the date of abandonment or discontinuation of use 	may be erected on a lot only after a primary structure has been constructed on the lot

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Austin	<u>25-2-531</u>		adopted the Uniform Solar Energy Code 2006 and made local amendments, which mostly define hierarchy of codes and laws.	Roof- and Ground Mounted		 may exceed the zoning district height limit by the greater of: 15%, or the amount necessary to comply with federal or state regulation 				
				Roof-Mounted		 shall not be installed with greater than six inches between the panel and the roof unless a waiver is issued 		 shall be designed and installed to prohibit sun reflection towards vehicular traffic and any habitable portion of an adjacent structure sun reflection onto an adjacent roof shall be acceptable 		 No portion of the system shall extend beyond the roof edges or roof ridge
Burleson			• permitted by right in all zoning districts, except PD and SP districts	Ground-Mounted	 shall be allowed by right on tracts of land with a minimum five acres in the agricultural district (A), and industrial district (I) shall not be permitted in the city shall not be permitted in the rear yard only no system shall be located less than the required building setback from the side and rear lot lines as established in the underlying zoning district a ground mounted solar panel system must also be installed at least 1,000 feet from all interstate and state rights-of-way and no less than the height of the system plus 15 feet from any other public rights-of-way unless approved by specific use permit (SUP) 	• shall be limited to 60 feet in height unless a waiver is issued				 One ground mounted solar panel system shall be permitted on tracts with less than five acres in area. on larger tracts not more than one ground mounted solar panel system shall be permitted for every five acres a waiver will be required from city council to remove trees that are over six caliper inches from the site
Cedar Hill	<u>2015-557-A</u>	5/12/2015	 systems must conform with zoning district standards, and must receive a building permit from the building official adds solar panel systems (accessory use) and solar panel systems (Primary use) to "use chart" 							
Carrollton	Design Guidelines		 both building-mounted and ground- mounted SESs shall be allowed as accessory structures 		dwelling unit	 subject to the maximum height limits of the zoning district in which they are located and shall be mounted flush with the existing slope of the roof system shall not exceed 15 feet in height 				
Flower Mound	<u>40-14</u>	8/4/2014	014	Roof-Mounted		 shall not project above the ridgeline of a pitched, gabled, or gambrel roof and shall be parallel to the roofline shall not exceed the maximum height permitted within the zoning districts if on a flat roof 				
				Ground-Mounted		 shall not exceed 8 feet in height 	 shall not be located in the front yard shall not be located in, on, or across a public easement unless authorized in writing by the easement holder 			

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Highland Park	<u>1927</u>	9/9/2013		Roof-Mounted	•must not be visible from any street	 on pitched roofs shall be mounted as flush as possible to the roof and not extend more than 12 inches above the point of attachment on flat roofs may not extend more than 6 feet above the roofs surface must comply with max. building height for applicable zoning district 		 must be designed to avoid glare or reflection onto neighboring properties, inclusive of properties across an alley, easement, or street, and adjacent roadways 		
				Ground-Mounted	are considered structures and must meet applicable setbacks for the zoning district shall be located in the rear yard	the panel collector and supporting framework of the system may not extend more than six feet above the existing grade				
Kingsville	<u>Sec. 15-6-174-187</u>	4/23/2014	 use by right in all zoning districts where a subdivision or land development involves the use of solar energy systems solar easements may be provided no homeowners' agreement, covenant, common interest community or other contract between multiple property owners within a subdivision shall restrict or limit solar energy systems to a greater extent than these regulations 	Roof-Mounted	may be located on a principal or accessory buildin, Commercial: are permitted as principal uses by right in the I-1 and I-2 zoning districts provided properties must contain a minimum of one acre all systems comply with side-yard and rear yard setbacks for accessory structures front-yard setback shall be twenty feet no residential use or structure exists on the property	height specified for principal or accessory buildings in the applicable zoning district by no more than three feet • if visible from the right-of-way of any street contiguous to the property the panel shall be installed parallel to the respective roof surface			days from discontinuance) the owner	 may not extend beyond any portion of the roof edge Commercial: the system must provide energy to off-site locations and to other than the owner of the property the systems comply with all other applicable regulations
				Ground-Mounted			•ground-mounted systems shall be screened from all adjacent rights-of-way and property that is residentially zoned or used for residential purposes •minimum yard setback and height will be the same as accessory structure limitations in the underlying zoning district •may not be located in any front yard			 area beneath the ground-mounted system is considered pervious cover but use of impervious construction materials under the system could cause the area to be considered impervious and subject to impervious surface limitations for the applicable zoning district

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Mansfield	ield <u>OR-1968-15</u> 9/28/2015 ord mo		include Solar panel systems as "accessory residential uses" The City Council may approve an	include Solar panel systems as "accessory residential uses"	"accessory residential uses"	include Solar panel systems as "accessory residential uses"	include Solar panel systems as "accessory residential uses" • The City Council may approve an	Roof-Mounted	 may be located on any roof slope of an accessory building or structure, such as a patio cover or detached garage shall be positioned on the roof so as not to extend above or beyond the edge of any ridge, hip, valley, or eave on residential lots or tracts of two acres or largerSPSs may face a public street provided that it is located at least 300 feet from any street right-of- way line. SPSs incorporated into building materials such as roof shingles, windows, siding, or other architectural features integral to a building's design and are reasonably indistinguishable from traditional building materials may be installed on any roof or facade of the buildingsubject to the determination of the Director of Planning 					 shall be permittedprovided the panels are not located on a front or side roof slope facing any public street or a rear roof slope facing a street with four or more lanes
		alternate location than specified in the ordinance for either roof- or ground- mounted systems at one meeting after holding a public hearing.	Ground-Mounted	 shall comply with the maximum square footage and minimum setback requirements for residential accessory buildings and structures. on residential lots or tracts of two acres or largerSPSs may face a public street provided that it is located at least 300 feet from any street right-of- way line. on non-residential properties,shall comply with the minimum setback requirements for non- residential buildings and structures and shall not be located within any required buffer yard or parking space shall not be located between a property line abutting a street and the building supporting equipment shall be located behind the building 	maximum heightshall not exceed the height of the required opaque fence and in no case shall exceed eight (8) feet	 shall be screened from view of the street or adjacent properties by an opaque screening fence. except in the I-1 and I-2 Zoning districtson non-residential propertyshall be screened from view of the street and adjacent properties by a screening wall constructed of materials that match the predominant material used on the building supporting equipment shall be screened by an opaque screening device, except that wall- mounted inverters may be located next to the electric meter 			 is not permitted as the primary use of a property masonry and architectural requirements shall not apply to ground-mounted solar panel systems long lengths of conduit and wiring associated with the system's connection to the primary electrical panel shall be placed underground. 					
North Richland Hills	3358	5/18/2015	 shall be permitted in any zoning district after issuance of a building permit 	Roof-Mounted	may be located on any roof slope	on pitched roof, top edge shall not project above roofline, shall conform to the slope of the roof, shall not exceed 8- inch separation between the roof and the system on flat roof, shall not exceed maximum height permitted within the zoning district shall not exceed eight feet	shall be screened (mechanical screening for nonresidential uses and nonresidential zoning) work be screened			may not extend beyond roof edges may not extend beyond roof edges long lengths of conduit and wiring shall be placed				
Rockwall	<u>15-23</u>		• shall be allowed as an accessory use in all zoning districts	Ground-Mounted		 on a pitched roof shall be of a flat configuration the surface of the solar energy collector panel shall not be more than six inches above the surface of the pitched roof 	 shall be screened from public view screening shall be the height of the solar energy collector panel may be by a parapet or screening wall replicating the materials of the building piping, wiring and other mechanical accessories shall be concealed; if some portion of the piping, wiring or other mechanical accessories cannot be practically concealed then those portions shall be painted so as to blend with the roofing material 	 reflective flare of solar energy collector panels shall be minimized by the positioning of the solar collector panels or by the use of non glare glazing 		underground • configuration of pitched roof solar energy collector panels shall be a regular quadrangular shape, flat to the roof or integrated with the roof, and aligned with the natural roof edges				
				Ground-Mounted	 shall be located behind the primary building 	maximum overall height shall not exceed feet	 shall be fully screened from public view by a solid screening fence or wall that meets all code requirements of the city 			in residential zoning districts, the total coverage area of solar energy collector panels shall not exceed 1,000 square feet on a single lot				

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San Marcos	Part II Subpart B 4.3.4.7	6/21/2011	 may be permitted as an accessory structure in all districts the size shall not exceed the total number of kilowatts needed to generate the amount of electricity for the established uses on the property unless the applicant can demonstrate the on-site need for additional power 	Roof-Mounted	Commercial: • may not be located adjacent to or within the control zone of any airport	 shall not project above the ridge of a gabled or gambrel roof shall not project more than five feet above the deck or parapet of a flat roof 	 all mounting hardware shall be screened from view 			 chemicals or solvents used to clean panels shall be low in VOCs and recyclable or biodegradable products will be used to greatest extent possible. shall be designed and operated to prevent misdirection of concentrated solar radiation onto nearby property, public roads, or other areas accessible to the public
			Commercial: • large RESs may be permitted in the	Ground-Mounted		 shall not be higher than 8 feet 	appurtenant components must be located within an enclosed structure or screened			
			Roof-top and small ground-mounted systems are permitted by right in HI	Roof-Mounted		 must leave no greater than 6" between rooftops must match the roof pitch on pitched roofs 	 screening will be required on flat roofs 			primary use is to reduce on-site consumption of electric utility power
Waxahachie	<u>Ord. No. 2758</u>	8/18/2014	zoning districts, but require specific use permit (SUP) under other zoning districts. Large ground-mounted systems always require SUP.	Ground-Mounted	 must meet accessory building setbecks. 	 maximum overall height shall not exceed 8' in residential districts, or 12' in all other districts in residential districts, must be installed in rear yard only 				Small: not to exceed 1,000 sq feet in size Large: system exceeds 1,000 sq feet in size Both: permitted as an accessory structure wherein the primary use must be to reduce on-site consumption of electric utility power
West Lake Hills	<u>Sec. 22.03.009</u>	1996	 use of solar energy devices for the purpose of providing energy is a permitted use within all zones, either as a part of a structure or an independent structure. 		and other major improvements. • variances shall be granted from restrictionswhere such are reasonable and necessary to assure unobstructed access to direct sunlight.	 solar energy devices shall be subject to the setback and height limitations affecting dwellings, garages, and other major improvements. variances shall be granted from restrictionswhere such are reasonable and necessary to assure unobstructed access to direct sunlight. 				 variances shall not be granted which would cause an unreasonable obstruction of direct sunlight to adjacent property if there is a reasonable probability of utilization of passive or active solar radiation on such adjacent property

NOTE: For the following major Texas cities, no solar-specific ordinances could be identified.

The City of San Antonio published the Solar Development Plan on April 20, 2012 – the Plan is a compilation of stakeholder-recommended strategies, goals, and actions.

The City of Dallas' Green Building Program requires all new buildings to meet enhanced energy efficiency standards; it applies to energy efficiency technologies for roofs as well as comprehensive measures/whole building measures, but no specific technolog

The City of Houston adopted the International Energy Conservation Code in 2009. Subsequently, in Ordinance 2014-5, the City sought to increase efficiency by an additional 5% above the minimum 15% established by the Code. PV systems are included in prescri

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Albany, NY Article 14, Chapter 375, Sec. 375-93			 passive and active solar energy equipment are permitted outright as an accessory use to all principal permitted uses within all zoning districts. 	Roof-Mounted	be allowed as of right in non-historic districts, provided that panels do not extend past the	 placements of solar collectors on a gabled, hipped or mansard roof shall be mounted parallel to and no more than 12 inches from the roof surface. 				
		 while there are aesthetic considerations, the City has determined that the environmental and economic benefits outweigh potential aesthetic impacts. planning staff shall approve installation designs prior to issuance of permits. 	Ground-Mounted	must be located in a side or rear yard	 height and the total surface area of al ground-mounted and freestanding solar collectors on the lot shall require approval from Planning staff prior to the issuance of building permits and take into account potential impacts on neighboring properties 		 solar collectors must not emit unreasonable glare and negatively impact adjacent properties. 	 if a solar collector ceases to perform its originally intended function for more than 12 consecutive months, the property owner shall remove the collector, mount and associated equipment by no later than 90 days after the end of the twelve-month period 	 building-integrated photovoltaic (BIPV) systems shall be permitted in all districts subject to all necessary permit and Building Code requirements 	
Dundee, MI	<u>Ord. 09-10-01</u>	2010	 solar panels shall be allowed in all zoning districts either attached to permitted principal or accessory buildings or as accessory structures 	Roof-Mounted			 solar panels mounted on a flat roof shall not project vertically higher than the height of the parapet wall surrounding the roof or shall be screened by architectural features shall not be visible from adjacent property and shall be screened by landscaping where necessary. 	 shall be placed and arranged such that reflected solar radiation or glare shall not be directed onto adjacent buildings, properties or roadways. 		
				Ground-Mounted	recestanding solar panels shall be permitted in the rear yard only. shall be setback six (6) feet from the side and rear lot line	 shall not exceed a height of four (4) feet 	 shall not be visible from adjacent property and shall be screened by landscaping where necessary. 	 shall be placed and arranged such that reflected solar radiation or glare shall not be directed onto adjacent buildings, properties or roadways. 		 surface area covered by a free-standing system shall not exceed two percent (2%) of the lot or three hundred sixty (360) square feet, whichever is less. area covered shall be included in the lot coverage calculations for the lot. all power transmission lines shall be underground.
Lincolnshire, IL	Municipal Code: Section 6- <u>17-6</u>		 shall be limited to roof-mounted installations on a permitted structure, provided that the installation method shall be compatible and harmonious with the aesthetic qualities of the structure to which the device is attached so as to not abruptly alter the architectural character of the structure. 	Roof-Mounted	structure, the SES shall occupy not more than thirty- percent (30%) of each outside roof area to which the device is attached.	of the roof structure to ensure the lowest profile permissible. • shall not extend above the maximum	with the exception of Solar Panels, mounting racks, pipe runs, and electrical wire connections, no portion of an SES shall be installed on the outside of the roof.	shall be designed and installed to prohibit Sun Reflection towards vehicular traffic and any habitable portion of an adjacent structure. sun Reflection onto an adjacent roof shall be acceptable.		 no trees or vegetation shall be removed or pruned to reduce or eliminate shading from the sun, unless warranted for good forestry practices, as determined by the Village Forester.
				Ground-Mounted		· · · · · · · · · · · · · · · · · · ·	Prohibit	ed		

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Bethany Beach, DE	<u>Ord. 455</u>	5/21/2010	 permitted use in all zoning districts. solar energy commercial operations are prohibited as a principle use. These are systems whose main purpose is to generate energy for sale back into the energy grid system, rather than being consumed on the site 	Roof-Mounted	 the placement of solar energy equipment on roofs of principal buildings is preferred and encouraged. for Town aesthetic purposes, the front slope of the principal building shall not be used unless no other location of the solar energy equipment is feasible. all visible exterior plumbing and electrical lines must not be installed in any portion of the front of the property. 	than the finished roof to which it is mounted. • in no instance shall any part of the solar energy panels extend beyond the edge of	 all exterior plumbing and electrical lines must be painted and/or coated to match the color of adjacent roofing material and walls. aluminum trim, if used and visible, should be anodized or otherwise color treated to blend into the surroundings as much as possible. 			 there is no limit to the number of modules and arrays installed on each property that comprise a solar energy system. the number of solar panels and supporting equipment shall be considered as one system.
				Ground-Mounted	 may be permitted if the solar energy equipment is unable to be located on the roof of the principal structure, but all ground-mounted solar energy equipment is considered to be accessory structures. 					
Houston County, MN	<u>110.2808</u>	2011	 shall be a permitted use in all districts except the flood plain districts within the flood plain district, solar structures shall be a conditional use 	Roof- and Ground- Mounted	provided the system is in compliance with minimum lot requirements and setbacks may be exempted from setback, height, and lot coverage restrictions in all districts by variance.					 In a residential zone, no owner, occupier, or person in control of property shall allow vegetation or structures to be placed or grow so as to cast a shadow on a solar energy system which is greater than the shadow cast by a hypothetical wall ten (I0) feet high located along the boundary line of the property between the hours of 9:30 a.m. and 2:30 p.m. Central Standard Time on December 21 provided, however, this standard shall not apply to vegetation or structures which cast a shadow upon the solar energy system at the time of installation of the system establishment of Right to Sun Light: As a means of evidencing existing conditions, the owner of a solar energy system may file notarized photographs of the area with the County prior to installation of the system. violation of this standard shall constitute a private nuisance. and any owner or occupant whose solar energy system is shaded because of such violation, so that performance of the system is impaired, may have in tor for the damages sustained thereby and may have such nuisance abated.
Tucson, AZ	<u>Ord. 10549</u>	6/17/2008	 all new single family homes or duplexes must include in the plans a photo voltaic system and a solar water heating system or preparation for later installation of these systems in order to receive a building permit 	Roof- and Ground- Mounted	 applicants must: provide a Site Plan showing the best space available for accommodating Photo Voltaic (PV) equipment (meter, disconnect & inverter) with minimum area of 4 square feet; locate the PV equipment adjacent to the electrical service panel if feasible or on a wall close to the proposed collector panel space; show on the Site Plan the best roof space available for accommodating PV solar collector panels. 					 applicants must provide a roof structure designed for the additional collector dead loading (typically 4 psf); show a minimum 3,800 volt-ampere PV electrical load entry on the Service Load Calculation; show an Electrical Panel Schedule with a 240 volt circuit breaker space labeled "reserved for Photo Voltaic".