Millcreek
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millcreekUT.gov

ROOFTOP SOLAR PV BUILDING PERMIT REQUIREMENTS

GENERAL	
	Remember, this is meant to be a helpful guide, not a comprehensive list. Some items may not apply to your project.
	Note the total project cost on the application. This includes market value of labor and materials.
	Dumpsters, restrooms, and material storage shall be kept on the property and off city streets, sidewalks and adjacent properties. Dumpsters can be stored on the street for a maximum of one week by obtaining a dumpster encroachment permit from the Public Works Department. Please visit https://millcreekUT.gov/174/Encroachment-Agreement
	Is the property within FEMA Floodplain Zones A, AE, AO, or an Alluvial Fan? (click on Flood Plain layer within the Geological Features Map) Always identify floodplain on cover sheet of plans and reference source, elevations, and obtain any floodplain permits required.
	Is the property identified as a historic structure or located in a historic district? (click on the Historic Parcels Dec 2022 layer in the Planning and Zoning Public Map) Always identify historic parcels on cover sheet of plans and reference source, elevations, and obtain required planning and zoning approval.
	Refer to https://millcreekUT.gov/165/Building-Department for more information and documents. (i.e. Apply for a permit, request an inspection, adopted construction codes, forms and links, climate and geographic design, and FAQ's)

SITE PLAN				
Note sheet/page number in plans requirement is satisfied	SUBMITTAL	***MKZ 19.02.080 Site Plans And Building Elevations Required; Contents***	MILLCREEK	
	Yes	***MKZ 19.02.080 Site Plans And Building Elevations Required; Contents***	Revise	Accept
		NOTE OF SCALE USED. Must be scaled with dimensions and measurements. A scale of 1"=10' is typical, but others may be acceptable.		
		DIRECTION OF NORTH POINT. Indicating the direction North.		
		UTILITY LOCATIONS. Show where electric utility lines and meters are located.		
		SETBACKS FROM ROOF RIDGE AND EAVE: Show required fire setbacsk for roof ridge and eave.		
Note sheet/page number in plans	SUBMITTAL	**BUILDING DEPARTMENT**	MILLCREEK	
	Yes	***2021 International Residential Code (IRC) and MKZ 19.02.090 Building And Use Permits Required*** *MKZ 19.02.090 Building And Use Permits Required*	Revise	Accept
		Mounting System: Provide detailed information in regard to the module mounting system and also the weight of all PV system components which will be installed on the roof. The support manufacture specs shall also specify the required support spacing based on the local wind and snow loads. Note if the home roof rafters are engineered trusses, if not, provide information on the type, size, spacing of the existing roof rafters. Also, note the type of roof covering (shingles, metal, or tile) and the number of existing roof covering layers. If the racking system has integrated grounding and bonding, provide spec sheets illustrating so.		

		One-line Diagram: A detailed one-line diagram is required and shall show the following: type of PV system being installed (a single inverter system with one or more strings of modules connected in series, a micro inverter system, or an AC module system), the exact number and layout of modules and how they will be connected together (in series or in parallel), all wire types, all wire sizes, conduit types and sizes, detailed information of the grounding wiring and connections, the locations of all circuits and system components on or in the house, and the ratings of all fuses or breakers.		
		Electric Panel to be Back fed: Note which home electrical panel the PV system will back feed and give the location and rating of that panel. Provide photos of the service panel and a photo of its interior label. Also, provide photos of labels of any sub-panel that will be back fed.		
		Module Specification Sheets: Provide the PV module (solar panel) spec sheetsshowing the module's STC rated watts (Pmp), volts (Vmp), amps (Imp), open circuit voltage (Voc), and short circuit current (Isc). Modules shall be UL 1703 listed.		
		Inverter Specification Sheets: Provide the inverter manufacture spec sheets showing the amount of watts and volts the inverter can safely handle, also provide the inverter's max rated AC output amps and voltage. Utility tied inverters shall be listed as "utility interactive" meeting UL 1741 and having ground fault protection.		
		Total Array Power: Provide the total amount of watts, amps, volts, open circuit voltage (Voc at the coldest possible outside temperature – refer to NEC 690.7), and short circuit current the array can produce.		
		System components: Provide information on the different types of components that will be used in the system and how they will be installed. Also, show that all equipment is listed and rated for the type of voltage (AC or DC), amount of voltage, and the amount of current to which it may be subjected.		
		Diagram of required placards: Diargam and list of all required placards.		
		Structural Approval of Existing Roof: Letter from a structural engineer approving the new PV system on an existing roof.		
Comments:				