



CITY OF BULLHEAD CITY SOLAR THERMAL POOL WATER HEATER (TPWH) SYSTEMS

This list has been compiled in order to outline the most common type of Solar Thermal Pool Water Heater (TPWH) System submittal. All requirements for a specific project type may not be listed. It is the applicant's responsibility to verify specific conditions of approval. Planning and Zoning regulations, involving such requirements as setback, height limitations, color, reflectivity or other design considerations may apply. If you have questions contact City staff for clarification prior to submittal at 928-763-0124. Failure to provide a complete submittal, as outlined below, may cause delays in the processing of your permit.

GENERAL REQUIREMENTS FOR RESIDENTIAL PLAN SUBMITTAL:

- One (1) completed permit application worksheet.
- Two (2) copies of 8 1/2" x 11" site plan.
- Two (2) complete sets of PLANS.
- Plan review fees are collected at the time of submittal.

Items that require design by a registrant, per the building code or the Arizona Board of Technical Registration, are to be sealed and signed by an Arizona licensed registrant. City ordinance requires one set to contain the registrant's original signature the second set can be a copy.

PLANS:

To be legible, fully dimensioned and to scale. Size minimum 8 1/2" x 11"; may require larger 11"x17" or 24"x36" depending on scope of work. To Include:

- Site Plan
- Plans
 - The location of the solar panel system shall be indicated on the plans, including roof plan, elevation and mounting details for panel installation.
 - Structural plans prepared and sealed by a State of Arizona registered engineer for support and uplift of the solar panel system.
 - Details on plans showing how the solar thermal water heating equipment shall be installed in accordance with the 2018 ISPS section 316.61 through sections 316.6.2.
 - Solar thermal water heaters shall be installed in accordance with the 2018 IMC or 2018 IRC as applicable in accordance with section 102.7 and 2018 IRC section M2902.5.
 - Replacement of Solar Pool Water Heating systems shall be treated the same as a water heater replacement.
 - Collectors and panels: Solar thermal collectors and panels shall be listed and labeled in accordance with IC 901/SRCC 100 or ICC 900/SRCC 300. Collectors and panels shall be permanently marked with the manufacturer's name, model number and serial number. Such markings shall be located on each collector in a position that is readily viewable after installation of the collector or panels.

Local planning and zoning regulations, involving such requirements as setbacks, height limitations, color, reflectivity or other design considerations, may apply. See the local governing jurisdictions for further information.

OTHER REQUIRED INFORMATION:

Contractor / Owner Builder:

- General Contractor:
 - Provide contractor's AZ Registrar of Contractor's license number.

- For projects with a valuation of \$50,000.00 or more, contractors are to provide a copy of their Arizona Department of Revenue, Bond Exemption Certificate or a One-time Bond Exemption.
 - Provide contractor’s TPT number.
 - Provide contractor’s City of Bullhead City business license number.
- Owner Builder (restrictions apply):
- Provide a signed ‘Declaration of Intent’ form.

GENERAL INFORMATION

- See permit “Building and Zoning Permits Guide” for review timelines.
- Separate permits may be required for other related work.
- A separate Flood Plain Development permit is required if lot is in a FEMA designated flood zone.

PERMIT INFORMATION:

- A twenty-four (24) hour inspection request line is available, call (928) 763-0172.
- The permit inspection card must be posted on the construction site at all times.
- The approved plans must be on the job site for all requested inspections
- Prior to digging call Arizona 811; in AZ dial 811, out of state 1-800-STAKE-IT (1-800-782-5348).

ADOPTED BUILDING CODES (with local amendments):

Title	Code Year	BHC MC Chapter	Title	Code Year	BHC MC Chapter
International Building Code, ICC	2018	15.12	International Fire Code, ICC	2018	15.24
International Residential Code, ICC	2018	15.14	International Energy Conservation Code, ICC	2018	15.22
National Electric Code, NFPA	2017	15.20	International Existing Building Code, ICC	2018	15.26
International Mechanical Code, ICC	2018	15.28	International Swimming Pool and Spa Code, ICC	2018	15.30
International Plumbing Code, ICC	2018	15.32			
International Fuel Gas Code, ICC	2018	15.34	ADAAG Manual, ADA US Access Board	2010	NA

ICC International Code Council, NFPA National Fire Protection Association

The Arizona Department of Fire, Building and Life Safety adopted the 2018 International Fire Code. For additional information contact the Bullhead City Fire Department at (928) 758-3971.

For specific Planning & Zoning codes, Engineering codes, Building codes and local code amendments, along with plan submittal requirements applicable to various project types, review our informational handouts under **Departments** and the City’s **Municipal Code** at www.bullheadcity.com.