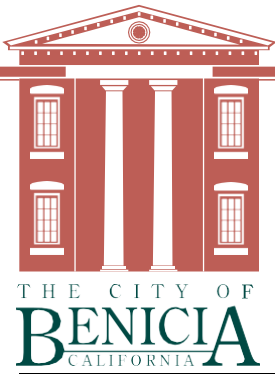


IRRIGATION AUDIT CHECKLIST

PROJECT INFORMATION	
Application/Permit Number:	
Project Address:	
Installation Company Name:	
Installation CSLB Number:	
Inspection Date:	
IRRIGATION AUDITOR INFORMATION	
Auditor Name:	Company:
Address:	
Phone Number:	Email:
Auditor Certified by:	
Irrigation Association	EPA WaterSense Program
Other:	

Note: For large projects or projects with multiple landscape installations (i.e. production home developments), an auditing rate of 1 in 7 lots or approximately 15% satisfies the audit requirement.

IRRIGATION AUDIT CHECKLIST		
Landscape Parameter	Item(s)	Ready for Audit
Audit Report	Separate landscape customer service water meter or private submeter has been installed as applicable: <ul style="list-style-type: none"> a. Non-residential projects: Greater than 1,000 sf landscape area b. Residential projects: Greater than 5,000 sf landscape area 	<input type="checkbox"/>
	The irrigation audit report includes: <ul style="list-style-type: none"> a. System inspection b. Inspect for leaks c. System tune-up d. Test the operating pressure of the irrigation system e. Test to determine distribution uniformity f. Test to determine precipitation rate of representative overhead irrigation valves g. Confirm matched precipitation rates on valves with sprinkler heads, rotors and other emission devices h. Report of any overspray or broken irrigation equipment i. Report of overspray or run off that causes overland flow 	<input type="checkbox"/>



IRRIGATION AUDIT CHECKLIST

	<ul style="list-style-type: none"> j. Written recommendations to improve performance of the irrigation system k. Preparation of an irrigation schedule, including configuring irrigation controllers with application rate, soil types, plant factors, slope, exposure and any other factors necessary for accurate programming l. Other: 	
Irrigation Equipment	<p>Irrigation equipment is installed (location, type and size) as shown in the approved plans:</p> <ul style="list-style-type: none"> a. Automatic controller is ET-based or soil moisture-based and includes: <ul style="list-style-type: none"> I. Irrigation scheduling parameters II. Hydrozone map b. Sensors installed include rain, frost (if necessary) and wind sensors (if necessary) c. Point of connection includes: <ul style="list-style-type: none"> I. Backflow prevention devices (if necessary) II. Manual shut-off valve (gate, ball, butterfly valve) III. Master shut-off valve IV. Flow sensor for landscapes over 5,000 sf only d. Valves (station) <ul style="list-style-type: none"> I. Flow rate (gpm) II. Application rates (in/hr) III. Design operating pressure: e. If static pressure is above or below required dynamic pressure of the system, pressure-regulating devices are installed 	<input type="checkbox"/>
	Main and lateral lines	<input type="checkbox"/>
	<p>Sprinkler heads</p> <ul style="list-style-type: none"> a. No spray heads within 24 inches of non-permeable surface b. Sprinkler heads and other emission devices have matched precipitation rates c. Swing joints or other riser protection provided in high traffic areas and areas near hardscape 	<input type="checkbox"/>
	Low volume irrigation (drip, drip lines, and bubblers) is used in mulched planting areas (no spray irrigation) and in areas less than 10 feet wide	<input type="checkbox"/>
	Slopes greater than 25% are irrigated with an application rate not exceeding 0.75 inches per hour	<input type="checkbox"/>
	Runoff, low head drainage, overspray, or other similar conditions where irrigation water flows onto non-targeted areas are prevented	<input type="checkbox"/>
	Check valves or anti-drain valves are installed to prevent low head drainage	<input type="checkbox"/>



IRRIGATION AUDIT CHECKLIST

	Pressure regulating devices are used if the static water pressure at the connection of the public water system does not match the water pressure needs of the irrigation system	<input type="checkbox"/>
Hydrozones	Match on the landscape plan and irrigation plan	<input type="checkbox"/>
	Are irrigated by valves with similar site, slope, sun exposure, soil conditions, and plant materials with similar water use	<input type="checkbox"/>
	Trees are on separate valves	<input type="checkbox"/>
	Biotreatment areas are on separate valves	<input type="checkbox"/>
Water Features	Use recirculating water systems	<input type="checkbox"/>
	Use recycled water if available	<input type="checkbox"/>
Irrigation Schedules	<p>Irrigation schedules have been developed, managed, and evaluated to utilize the minimum amount of water required to maintain plant health. Irrigation schedules shall meet the following criteria:</p> <ul style="list-style-type: none"> a. Irrigation scheduling is regulated by automatic irrigation controllers b. Overhead irrigation is scheduled between 8:00 p.m. and 10:00 a.m. unless weather conditions prevent it c. Irrigation schedules shall be regulated by automatic irrigation controllers using current reference evapotranspiration data (e.g., CIMIS) or soil moisture sensor data 	<input type="checkbox"/>
	<p>The irrigation schedules have been developed to include the parameters used to set the automatic controller and are submitted for each of the following:</p> <ul style="list-style-type: none"> a. Plant establishment period b. Established landscape c. Temporarily irrigated areas 	<input type="checkbox"/>
	<p>Each irrigation schedule includes the following that apply for each station (valve):</p> <ul style="list-style-type: none"> a. Irrigation interval (days between irrigation) b. Irrigation run times (hours or minutes per irrigation event to avoid runoff) c. Number of cycle starts required for each irrigation event to avoid runoff d. Amount of applied water scheduled to be applied on a monthly basis e. Application rate setting f. Root depth setting g. Plant type setting h. Soil type i. Slope factor setting j. Shade factor setting k. Irrigation uniformity or efficiency setting 	<input type="checkbox"/>