



PERFORMANCE COMPLIANCE OPTION
LANDSCAPE DOCUMENTATION PACKAGE FOR LARGER LANDSCAPE PROJECTS
2015 State Model Water Efficient Landscape Ordinance Requirements

The State's revised Model Water Efficient Ordinance (MWELo) went into effect on December 1, 2015. The ordinance applies to all of the following landscape projects:

1. New construction projects with an aggregate landscape area equal to or greater than 500 square feet requiring a building or landscape permit, plan check or design review;
2. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 2,500 square feet requiring a building or landscape permit, plan check or design review;
3. Existing landscapes (limited to Sections 493, 493.1 and 493.2 of the MWELo); AND
4. Cemeteries.

New and rehabilitated landscapes of 2,500 sq. ft. or greater shall meet the full requirements of the Model Water Efficient Landscape Ordinance through this program compliance approach. The following contains a checklist of the program compliance requirements in accordance with the California Code of Regulations Title 23, Waters, Division 2, Department of Water Resources, Chapter 2.7, Model Water Efficient Landscape Ordinance.

For general questions regarding this ordinance, contact the Planner of the Day at (626) 744-6777 or visit <https://ww5.cityofpasadena.net/planning/water-efficient-landscape-ordinance/>.

Submittal Checklist for Performance Compliance Option

Minimum Requirements: All items listed below must be included in the landscape documentation package submittal, as required by the State Ordinance.

1. Project Information:
2. Water Efficient Landscape Worksheets
 - Section A - Hydrozone information table
 - Section B - Water budget calculations (MAWA & ETWU)
3. Soil Management Report
4. Landscape Design Plan
5. Irrigation Design Plan
6. Grading Design Plan
7. The following certifications shall be submitted upon completion of the project:
 - Certificate of Completion
 - Certification of Installation



PROJECT INFORMATION

Date:	Case Number (BLD or PLN):
Project Name:	Project Address:
Name of Project Applicant:	Telephone No:
	Email Address:
Total Landscaped Area (in square feet) including breakdown of turf and plant material (must be 2,500 sq. ft. or greater):	Project Type (Residential, Commercial, New, Rehabilitated):
Water Supply Type (potable, recycled, well) and Purveyor:	Number of New Residential Units:

Certification:

"I agree to comply with the requirements of the Water Efficient Landscape Ordinance and submit a Landscape Documentation Package".

Applicant Signature

Date



WATER EFFICIENT LANDSCAPE WORKSHEET

This worksheet is filled out by the project applicant and it is a required element of the Landscape Documentation Package. Please complete all sections (A and B) of the worksheet.

SECTION A. HYDROZONE INFORMATION TABLE

Please complete the hydrozone table(s) for each hydrozone. Use as many tables as necessary to provide the square footage of landscape area per hydrozone.

Hydrozone*	Zone or Valve	Irrigation Method**	Area (Sq. Ft.)	% of Landscape Area
Total				100%

*** Hydrozone**
HW = High Water Use Plants
MW = Moderate Water Use Plants
LW = Low Water Use Plants

****Irrigation Method**
MS = Micro-spray
S = Spray
R = Rotor
B= Bubbler
D= Drip
O = Other



Supplemental Forms for
LANDSCAPE DOCUMENTATION PACKAGE

SECTION B. WATER BUDGET CALCULATIONS

NOTE: Pasadena ETo = 52.30

WATER EFFICIENT LANDSCAPE WORKSHEET

This worksheet is filled out by the project applicant and it is a required element of the Landscape Documentation Package.

Reference Evapotranspiration (ETo) _____

Hydrozone # /Planting Description ^a	Plant Factor (PF)	Irrigation Method ^b	Irrigation Efficiency (IE) ^c	ETAF (PF/IE)	Landscape Area (sq. ft.)	ETAF x Area	Estimated Total Water Use (ETWU) ^e
Regular Landscape Areas							
				Totals	(A)	(B)	
Special Landscape Areas							
				1			
				1			
				1			
				Totals	(C)	(D)	
ETWU Total							
Maximum Allowed Water Allowance (MAWA)^e							

^aHydrozone #/Planting Description
 E.g
 1.) front lawn
 2.) low water use plantings
 3.) medium water use planting

^bIrrigation Method
 overhead spray
 or drip

^cIrrigation Efficiency
 0.75 for spray head
 0.81 for drip

^dETWU (Annual Gallons Required) =
 Eto x 0.62 x ETAF x Area
 where 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year.

^eMAWA (Annual Gallons Allowed) = (Eto) (0.62) [(ETAF x LA) + ((1-ETAF) x SLA)]
 where 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year, LA is the total landscape area in square feet, SLA is the total special landscape area in square feet, and ETAF is .55 for residential areas and 0.45 for non-residential areas.

ETAF Calculations

Regular Landscape Areas

Total ETAF x Area	(B)
Total Area	(A)
Average ETAF	B ÷ A

Average ETAF for Regular Landscape Areas must be 0.55 or below for residential areas, and 0.45 or below for non-residential areas.

All Landscape Areas

Total ETAF x Area	(B+D)
Total Area	(A+C)
Sitewide ETAF	(B+D) ÷ (A+C)



CERTIFICATE OF COMPLETION

This certificate is filled out by the project applicant upon completion of the landscape project.

PART 1. PROJECT INFORMATION SHEET

Date		
Project Name		
Name of Project Applicant	Telephone No.	
	Fax No.	
Title	Email Address	
Company	Street Address	
City	State	Zip Code

Project Address and Location:

Street Address	Parcel, tract or lot number, if available.	
City	Latitude/Longitude (optional)	
State	Zip Code	

Property Owner or his/her designee:

Name	Telephone No.	
	Fax No.	
Title	Email Address	
Company	Street Address	
City	State	Zip Code

Property Owner

“I/we certify that I/we have received copies of all the documents within the Landscape Documentation Package and the Certificate of Completion and that it is our responsibility to see that the project is maintained in accordance with the Landscape and Irrigation Maintenance Schedule.”

Property Owner Signature Date

Please answer the questions below:

1. Date the Landscape Documentation Package was submitted to the local agency _____
2. Date the Landscape Documentation Package was approved by the local agency _____
3. Date that a copy of the Water Efficient Landscape Worksheet (including the Water Budget Calculation) was submitted to the local water purveyor _____



**CERTIFICATION OF INSTALLATION
ACCORDING TO THE LANDSCAPE DOCUMENTATION
PACKAGE**

(Required prior to Final)

“I/we certify that based upon periodic site observations, the work has been completed in accordance with the ordinance and that the landscape planting and irrigation installation conform with the criteria and specifications of the approved Landscape Documentation Package.”

Signature*	Date	
Name (print)	Telephone No.	
	Fax No.	
Title	Email Address	
License No. or Certification No.		
Company	Street Address	
City	State	Zip Code

*Signer of the landscape design plan, signer of the irrigation plan, or a licensed landscape contractor.

IRRIGATION SCHEDULING

Attach parameters for setting the irrigation schedule on controller per ordinance Section 492.10.

SCHEDULE OF LANDSCAPE AND IRRIGATION MAINTENANCE

Attach schedule of Landscape and Irrigation Maintenance per ordinance Section 492.11.

LANDSCAPE IRRIGATION AUDIT REPORT

Attach Landscape Irrigation Audit Report per ordinance Section 492.12.

SOIL MANAGEMENT REPORT

Attach soil analysis report, if not previously submitted with the Landscape Documentation Package per ordinance Section 492.6.

Attach documentation verifying implementation of recommendations from soil analysis report per ordinance Section 492.6.



ACKNOWLEDGEMENT BY THE LOCAL WATER PURVEYOR

INSTRUCTIONS: Complete Section A of this form after MWELO plans have been approved and submit form to the City of Pasadena Water & Power Department for completion of Section B. This form must be signed by the Pasadena Water Department and submitted to the Permit Center prior to building permit issuance.

City of Pasadena Department of Water & Power
150 S. Los Robles Avenue, Suite 200, Pasadena, CA
(626) 744-3865

SECTION A. Project Address and Location:

Street Address:		Parcel, tract or lot number, if available.
City <i>PASADENA</i>	Zip Code	Work Description
Total Landscape Area:	Latest Approved Plan Date:	Other Areas:

Property Owner/Owner's Representative:

Name	Telephone No.	
	Email	
Company	Street Address	
City	State	Zip Code

SECTION B. Water Purveyor Acknowledgment

This is to certify that the Water Efficient Landscape Worksheet has been received by this agency, as required by the California Code of Regulations Title 23, Chapter 2.7, the Model Water Efficient Landscape Ordinance Section 492.1.

Name of Water Purveyor: CITY OF PASADENA DEPARTMENT OF WATER AND POWER

Name	Title
Signature	Date
Notes/Comments:	