



MWELO PROJECT INFORMATION

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE

Type of Application: NEW AMENDMENT (PLEASE PROVIDE DATE OF PREVIOUS APPROVAL)

APPLICANT INFORMATION

Applicant Name:	Telephone No.:
Business/Organization Name:	Fax Number:
Mailing Address: <i>Address, City, State, Zip</i>	Email:
Architect/Engineer/Representative:	Representative Phone No:

PROJECT SPECIFIC INFORMATION

Project Location/Address:	Assessor Parcel Number:
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Project Type (new dwelling, commercial, or rehab):

- Currently, this project does not include landscaping. I am aware that future landscape installations may be required to comply with the Model Water Efficient Landscape Ordinance (MWELO) requirements per California Code of Regulation, Title 23, Division 2, Chapter 2.7.**
- This project does incorporate landscaping. (Please provide the information below specific to the landscape area which will be completed as part of this project and specify the compliance method to be used):**

Total Landscape Area (sq. ft.):	Turf Area (sq. ft.):
Non-Turf Plan Area (sq. ft.):	Special Landscape Area (sq. ft.):
Water Type (potable, recycled, well):	Name of water purveyor (if not served by private well):

COMPLIANCE METHOD

- Performance** (Items included in Performance Checklist is included on plans)
- Prescriptive** (Items included in Prescriptive Checklist is included on plans)

The undersigned applicant affirms that all information contained with this application is true and accurate and that the applicant is authorized to make such application to the City of King. Additionally, the undersigned applicant understands and agrees that the application fee is a deposit and the application is processed on a time and materials basis. By signing this application, the undersigned applicant agrees to all statutory processing time periods (e.g., Permit Streamlining Act) and understands that if the deposit is depleted and an additional deposit is not made to the City Finance Department, the City will suspend processing the application until said deposit is made with the City Finance Department.

Applicant Signature: _____ **Date:** _____

If the applicant is not the property owner, the property owner must either sign below or provide written authorization for the applicant to act on his/her behalf.

Property Owner (Please Print): _____ **Date:** _____

Property Owner Signature _____



MWELO PLAN REQUIREMENTS
PERFORMANCE APPROACH
 MODEL WATER EFFICIENT LANDSCAPE ORDINANCE

Application Number:	Plan Check Submittal Date:
Project Address:	Email:
Applicant Name:	Phone:
Plan Reviewer:	Phone:

LANDSCAPE DOCUMENTATION PACKAGE (CHAPTER 15.50.030)

- Each landscape documentation package shall include the following elements, which are described in subsection (b) of Chapter 15.50.030:
- Water conservation concept statement;
 - Calculation of the maximum applied water allowance;
 - Calculation of the estimated applied water use;
 - Calculation of the estimated total water use;
 - Landscape design plan;
 - Irrigation design plan;
 - Irrigation schedules;
 - Maintenance schedule;
 - Landscape irrigation audit schedule;
 - Pesticides, herbicides and fertilizers;
 - Grading design plan;
 - Soil preparation, mulch and amendments; and
 - Certificate of substantial completion (to be submitted after installation of the project).

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 (ET_o)

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	

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

^b**Irrigation Method**
*overhead spray
 or drip*

^c**Irrigation Efficiency**
*0.75 for spray head
 0.81 for drip*

^d**ETWU (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.

^e**MAWA (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)	

Sample Water Efficient Landscape Worksheet

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 (ET_o) 50.1

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							
1 / FRONT YARD	.8	Spray	.75	0.94	1,000	940	29,198
2 / SIDE YARD	.5	Drip	.81	0.61	300	183	5,685
3 / REAR YARD	.3	Drip	.81	0.37	3,300	1221	37,927
4 / POOL	1.0	n/a	1	1	400	400	12,425
				Totals	5,000 (A)	2744 (B)	
Special Landscape Areas							
NONE				1	----	----	----
-----				1	----	----	----
-----				1	----	----	----
				Totals	0 (C)	0 (D)	
						ETWU Total	85,234
						Maximum Allowed Water Allowance (MAWA)^e	85,420

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

^b**Irrigation Method**
 overhead spray
 or drip

^c**Irrigation Efficiency**
 0.75 for spray head
 0.81 for drip

^e**ETWU (Annual Gallons Required) =**
 $ET_o \times 0.62 \times ETAF \times Area$
 where 0.62 is a conversion factor that converts acre-inches per acre per year to

^e**MAWA (Annual Gallons Allowed) =** $(ET_o) (0.62) [(ETAF \times LA) + ((1-ETAF) \times SLA)]$
 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.

gallons per square foot per year.

ETAF Calculations

Regular Landscape Areas

Total ETAF x Area	(B)	2744
Total Area	(A)	5000
Average ETAF	B ÷ A	0.549

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)	2,744
Total Area	(A+C)	5,000
Sitewide ETAF	(B+D) ÷ (A+C)	0.549



MWELO CERTIFICATE OF COMPLETION

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE

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:
Company:			
Street Address:	City:	State:	Zip Code:

PROJECT ADDRESS AND LOCATION

Street Address:		Parcel, tract or lot number:
City:	State:	Zip Code:

PROPERTY OWNER OR HIS/HER DESIGNEE:

Name:			Telephone No.
			Fax No.
Title:			Email:
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 (Please Print): _____ **Date:** _____

Property Owner Signature _____



MWELO CERTIFICATE OF COMPLETION

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE

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

PART 2. CERTIFICATION OF INSTALLATION ACCORDING TO THE LANDSCAPE DOCUMENTATION PACKAGE

“I/we certify that based upon periodic site observations, the work has been substantially 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:
Company:			License No. or Certification No.:
Street Address:	City:	State:	Zip Code:

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

PART 3. IRRIGATION SCHEDULING

- Attach parameters for setting the irrigation schedule on controller.

PART 4. SCHEDULE OF LANDSCAPE AND IRRIGATION MAINTENANCE

- Attach schedule of Landscape and Irrigation Maintenance.

PART 5. LANDSCAPE IRRIGATION AUDIT REPORT

- Attach Landscape Irrigation Audit Report.

PART 6. SOIL MANAGEMENT REPORT

- Attach soil management report, if not previously submitted with the Landscape Documentation Package.
- Attach documentation verifying implementation of recommendations from soil management report.

For Office Use Only:

Application/Permit No.	Received by:	Reviewed by:
	Received Date:	Approved Date:



LANDSCAPE CERTIFICATION

This form is required at final inspection.

PROJECT INFORMATION

Site Address:	Permit No.
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SECTION A: LANDSCAPE DESIGNER

- I certify that I am qualified by the State of California to perform landscape design services; the landscape design and water use calculations for this project were prepared by me or under my supervision; the landscape design and water use calculations comply with the requirements of the Model Water Efficient Landscape Ordinance, and the Landscape Documentation Package is complete; **OR**
- Interior T.I., no landscape work performed (**do not need to complete sections B or C below**); **OR**
- This project is not subject to the Model Water Efficient Landscape Ordinance

Name:	Relation to Project:
Company Name:	State License No.:
Signature:	Date:

SECTION B: LANDSCAPE INSTALLER

- I certify that (a) I am qualified by the State of California to provide landscape design services; the landscape project for this project was installed by me or under my supervision; (b) the landscaping for the identified property has been installed in substantial conformance with the approved Landscape Documentation Package and complies with the requirements of the Model Water Efficient Landscape Ordinance; (c) a diagram of the irrigation plan showing hydrozones is kept with the irrigation controllers; (d) the Certificate of Completion has been completed in compliance with the requirements of the Model Water Efficient Landscape Ordinance and shall be implemented.

Name:	Relation to Project:
Company Name:	State License No.:
Signature:	Date:

SECTION C: OWNER/REPRESENTATIVE

- I certify that I am the property owner or an authorized representative and have received copies of all the documents within the Landscape Documentation Package and the Certificate of Completion and that it is my responsibility to see that the project is maintained in accordance with the Landscape and Irrigation Maintenance Schedule.

Signature:	Date:
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Qualified irrigation service provider: The following individuals are authorized to provide services required by the Model Water Efficient Landscape Ordinance in the State of California: Landscape Architects, Landscape Contractors, Landscape Designers and Irrigation Consultants. Personal property owners may design and sign plans for work on any property they own. (Sections 5500.1, 5615, 5641, 5641.1, 5641.2, 5641.3, 5641.4, 5641.5, 5641.6, 6701, 7027.5 of the Business and Professions Code, Section 832.27 of Title 16 of the California Code of Regulations, and Section 6721 of the Food and Agricultural Code.)