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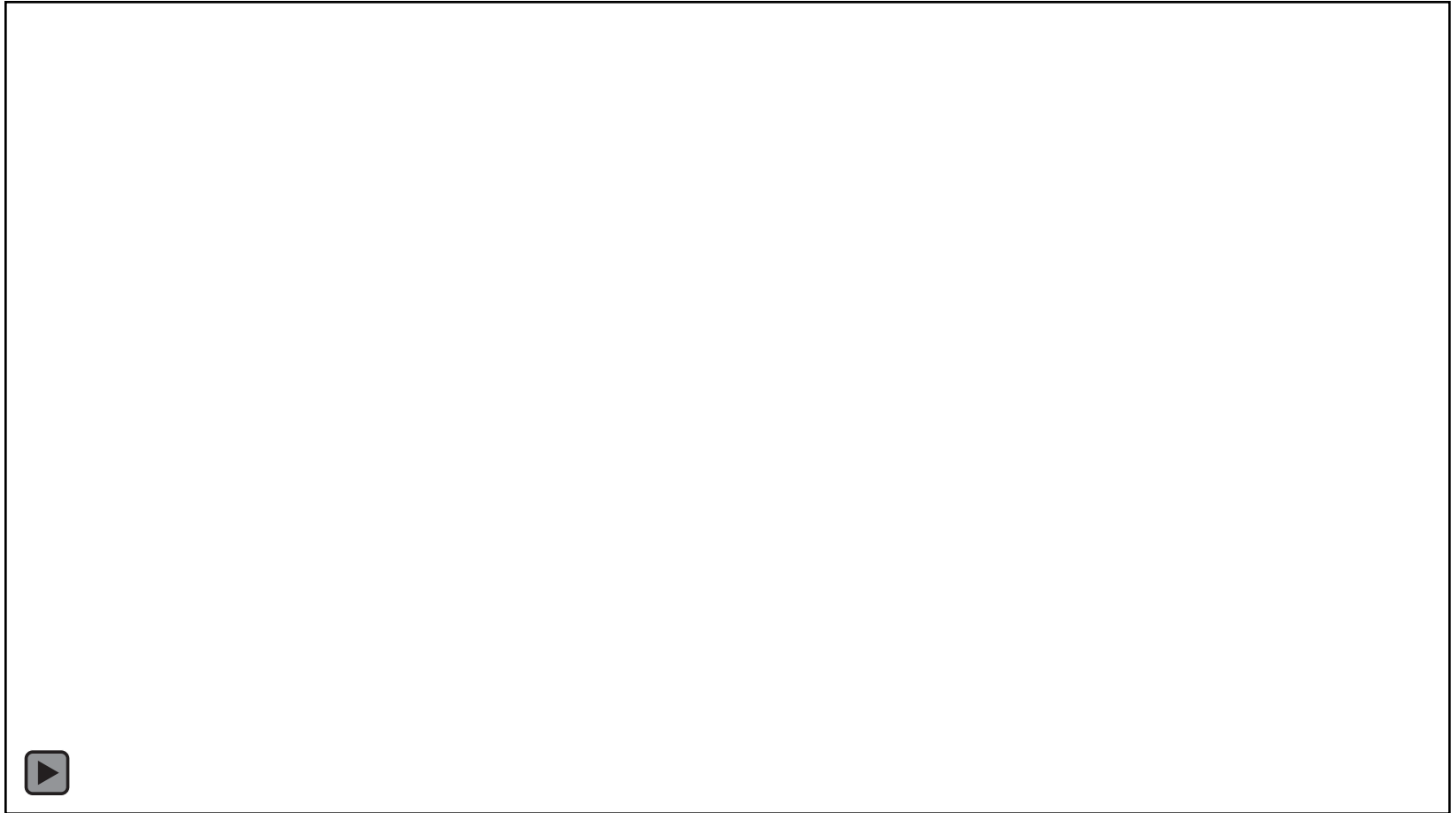
Smart Practices.
Sustainable Solutions.



Model Irrigation Ordinance: ***Turning Efficient Practice Into Good Policy***











Who is driving the future?



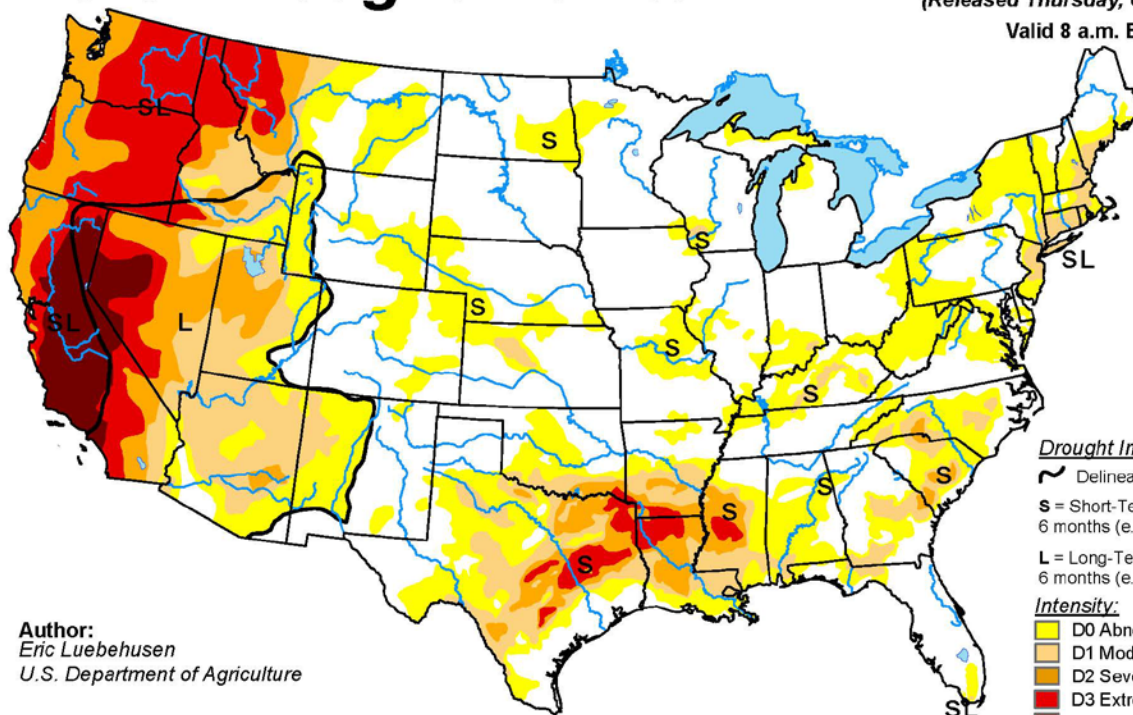


U.S. Drought Monitor

September 29, 2015

(Released Thursday, Oct. 1, 2015)

Valid 8 a.m. EDT



Author:
Eric Luebbehusen
U.S. Department of Agriculture

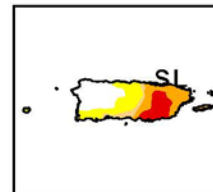
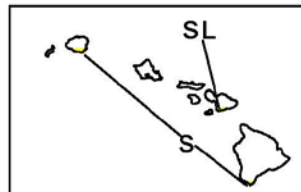
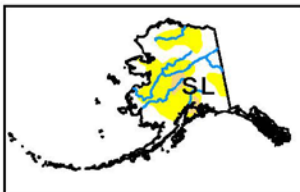
Drought Impact Types:

- ~ Delineates dominant impacts
- S** = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L** = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

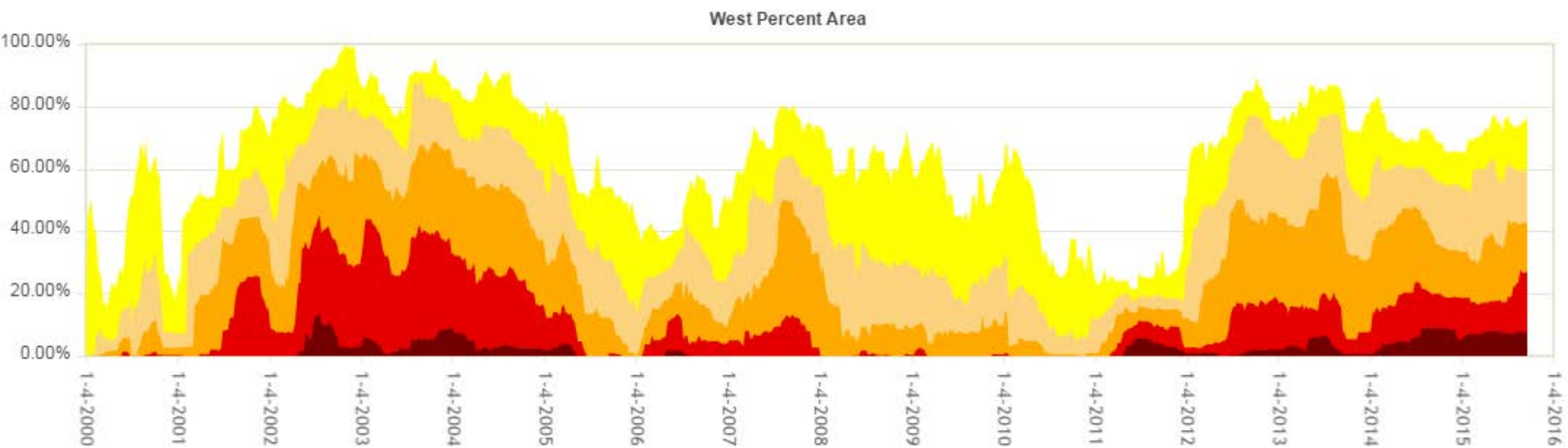
Intensity:

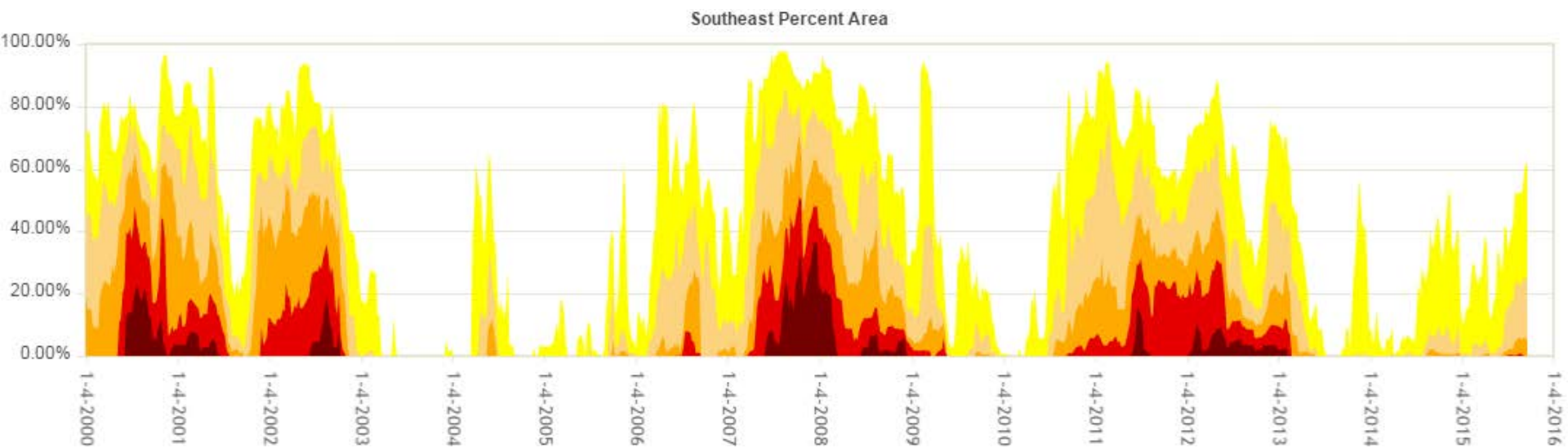
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



<http://droughtmonitor.unl.edu/>

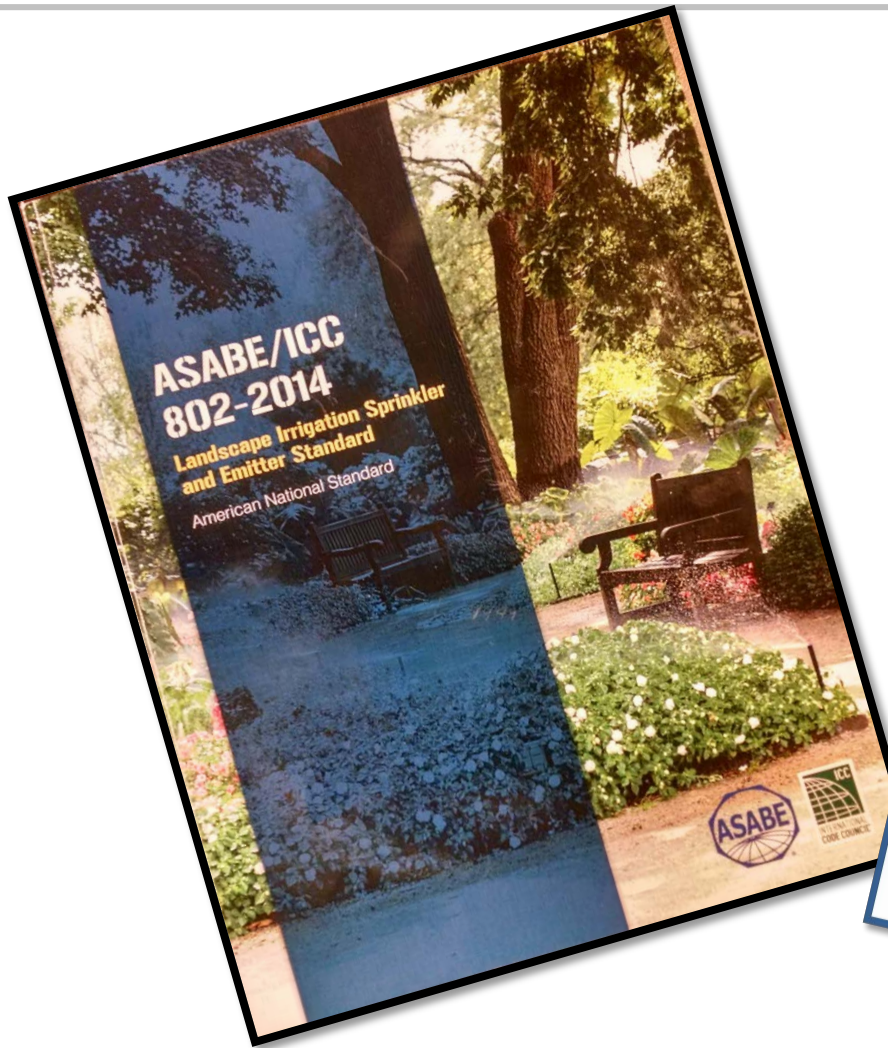






The Irrigation Association's Draft Model Irrigation Ordinance







§ 1.0 Purpose

- Work in conjunction with established landscape code/ordinances
- Complement landscape practices that integrate conservation and efficiency
- Design parameters for new irrigation systems
- Guidelines for existing irrigation systems





§ 2.0 Applicability

- Residential or commercial
- Size requirements can be specified
- Renovated projects
- Public agency projects
- Exemptions:
 - Historical sites
 - Landscapes not requiring irrigation





§ 3.0 Definitions

Lots of definitions that can be modified to meet local needs

application rate	flow rate	local water provider	permit	runoff
backflow prevention device	flow meter	low flow irrigation	permeable	smart irrigation controller
Certificate of Completion	Graywater	drip irrigation	project applicant	soil moisture sensing device
certified irrigation designer	Hardscapes	main line	rain sensor	soil moisture sensor
certified landscape irrigation auditor	hydrozone	master shut-off valve	rain sensing shutoff device	sprinkler
check valve anti-drain valve	irrigation audit	microclimate	reclaimed water	sprinkler head
distribution uniformity	Irrigation Plan	mulch	recycled water	static water pressure
ecological restoration project	irrigation survey	new construction	treated sewage effluent water	station
emission device	irrigation water use analysis	non-residential landscape	record drawing	sub meter
established landscape	landscape water meter	operating pressure	renovated landscape	turfgrass
establishment period of the plants	lateral line	overhead sprinkler irrigation systems	remote control valve	watering window
evapotranspiration	local agency	overspray	residential landscape	zone



§ 4.0 Irrigation Design

- Plan requirements & designer qualifications
- Irrigation system requirements
 - Master shut-off
 - Water measurement
 - Smart controllers & sensors
 - Pressure regulation
 - Compliance with sprinkler & emitter standard
 - Sprinklers report DU_{Iq}



§ 4.0 Irrigation Design

- Hydrozone requirements
 - Slopes
 - Overhead irrigation on areas > 8 feet
 - Drip in mulched areas with plants > 12 inches
 - Water trees separately where feasible
 - No runoff





§ 5.0 Certificate of Completion

- Designer
 - Contractor
 - Inspector/Certifier
-
- System is installed according to the design
 - City can establish professional qualification requirements





§ 6.0 Irrigation Management

- Planning water use
- Monitoring water use
- Verify irrigation system maintenance
- Irrigation scheduling
 - Hours of operation, irrigation days allowed
- Modify irrigation system as landscape matures
- Irrigation system audit if required





§ 7.0 Existing irrigation systems

- System audit, inspection or water use analysis
- Water waste prevention
 - No runoff
 - Capture runoff and reuse
- Penalties established by the jurisdiction






<http://www.irrigation.org/modelordinance.aspx>

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Water resources are increasingly targets of legislation and regulation. IA provides a powerful ally to represent and protect your interests, nationally and locally.



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WaterSense

Model Irrigation Ordinance

Industry Partnerships

Economic Impact Study

IrrigationPAC

Public Policy Issues

Model Irrigation Ordinance

Version 1.0 of the draft model irrigation ordinance, released on October 5, 2015, provides design parameters for new landscape irrigation systems and guidelines for existing irrigation systems. The draft ordinance works in conjunction with established landscape codes/ordinances and can be modified to meet local needs. In addition to the model irrigation ordinance, sample reports and checklists are available below.

- [Model Irrigation Ordinance](#)
- [Irrigation Inspection Affidavit](#)
- [Example Irrigation Plan Checklist](#)
- [Certifier Report](#)

If you have questions, please contact IA Government and Public Affairs Director John Farner at johnfarner@irrigation.org or IA Senior Policy and Advocacy Manager Elizabeth McCartney at elizabethmccartney@irrigation.org





Realities

- 1) Policymakers' involvement in the landscape irrigation industry will increase, not decrease
- 2) Landscape water use will be reduced (mandated)
- 3) Potable water will not be the main source for irrigation water
- 4) Landscapes will not look the same 10 years from now as they do today
- 5) Our industry needs to partner with governments and other stakeholders to form sustainable solutions





Oxygen.
Food.
Life.

Just add water.



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