



Nutrient Water Quality Criteria Update

PLUMMER

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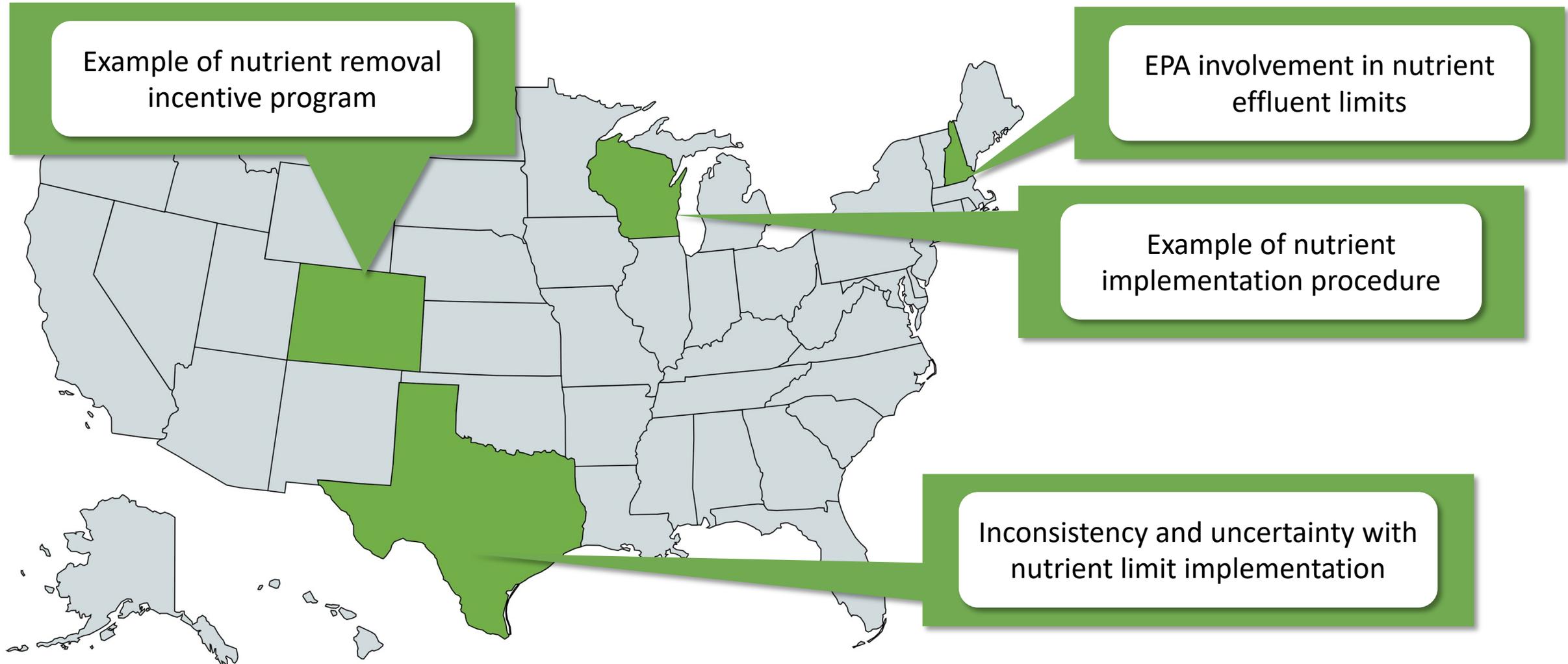


June 15, 2023

WEAT Nutrient Committee mission

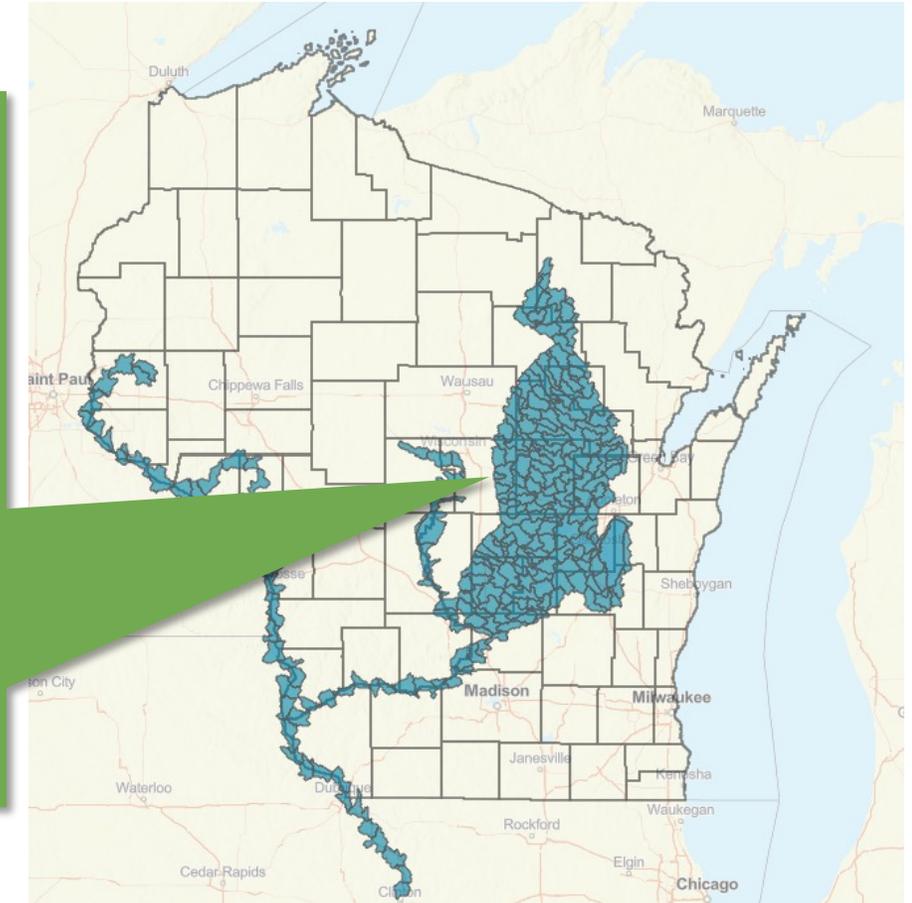
- Learn what are other states doing
- Develop permitting strategies for Texas
 - ✓ Consider treatment technology limitations
 - ✓ Consider planning horizons
 - ✓ Consider regulator needs

Join us on journey through recent nutrient management updates



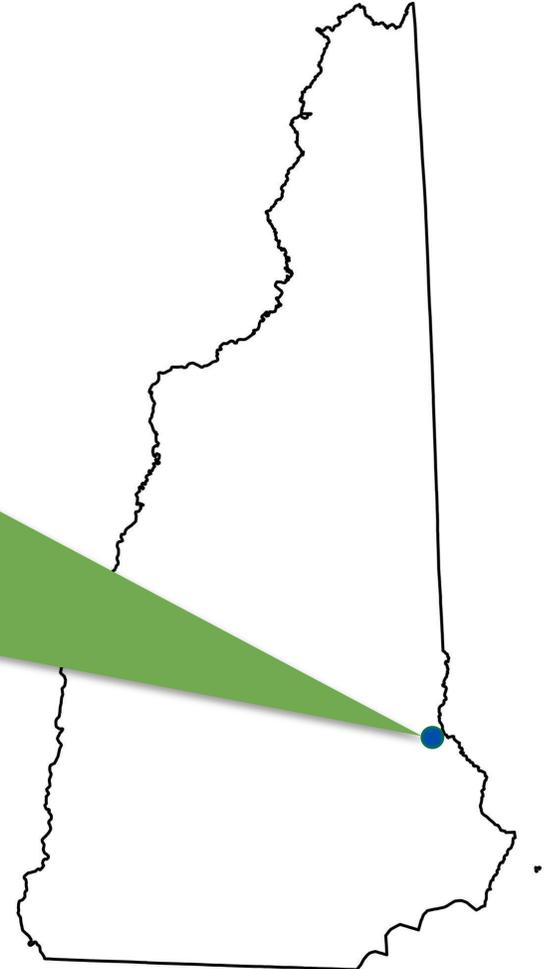
Recent nutrient management updates from Wisconsin

- Established private water quality trading online marketplace/clearinghouse
 - Clearinghouse conducts modeling and inspections
- Trade from point and nonpoint sources
 - Must result in water quality improvement

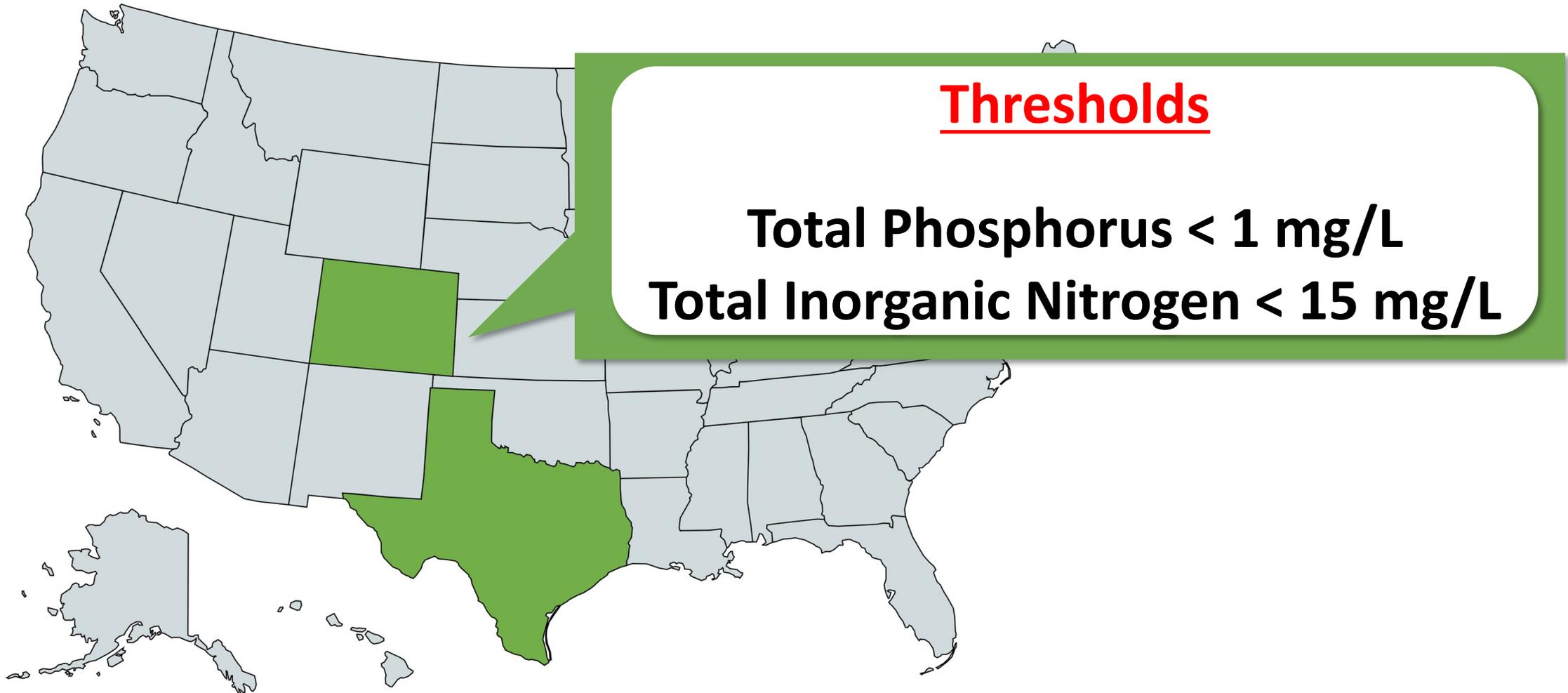


Recent nutrient management updates from New Hampshire

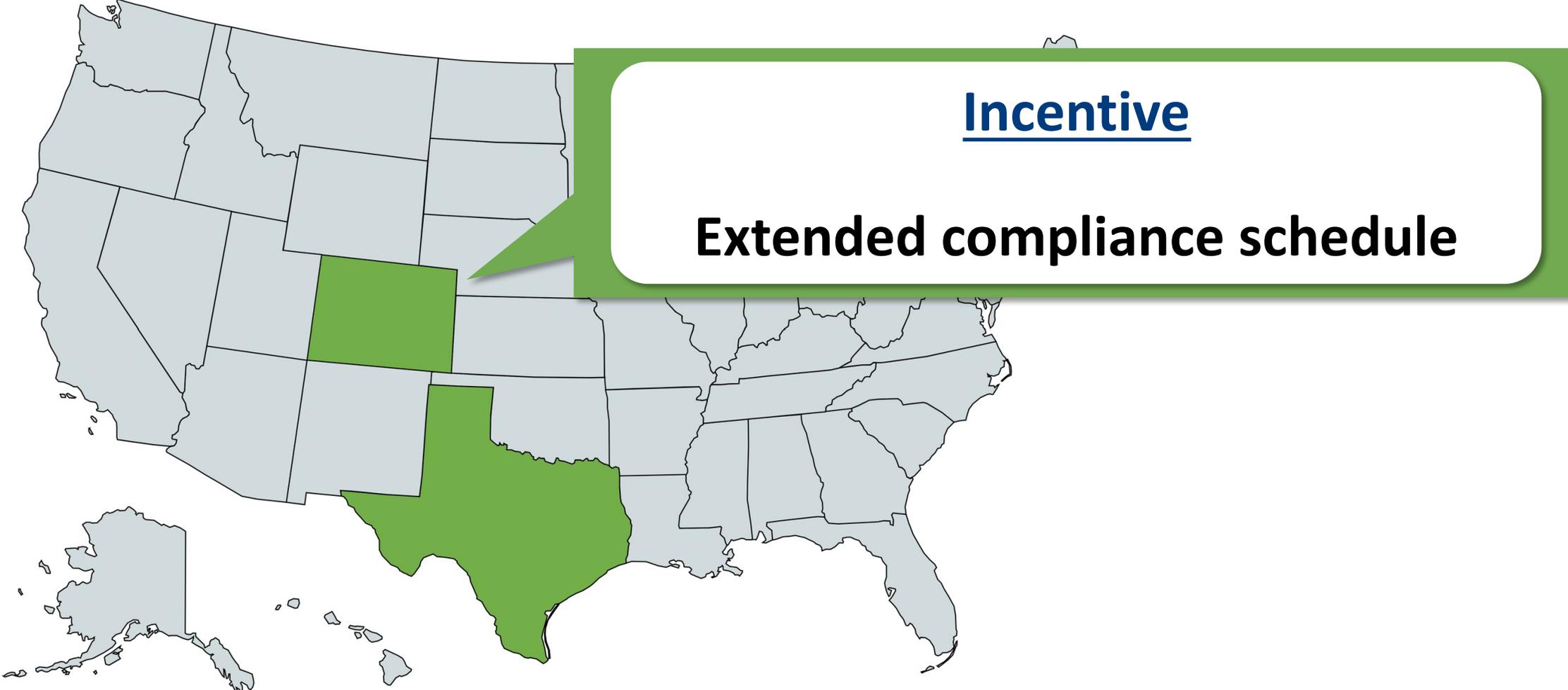
- City of Rochester was issued NPDES Permit with stringent phosphorus effluent limit
- New Hampshire does not have numeric criteria
- City petitioned EPA's Environmental Appeals Board



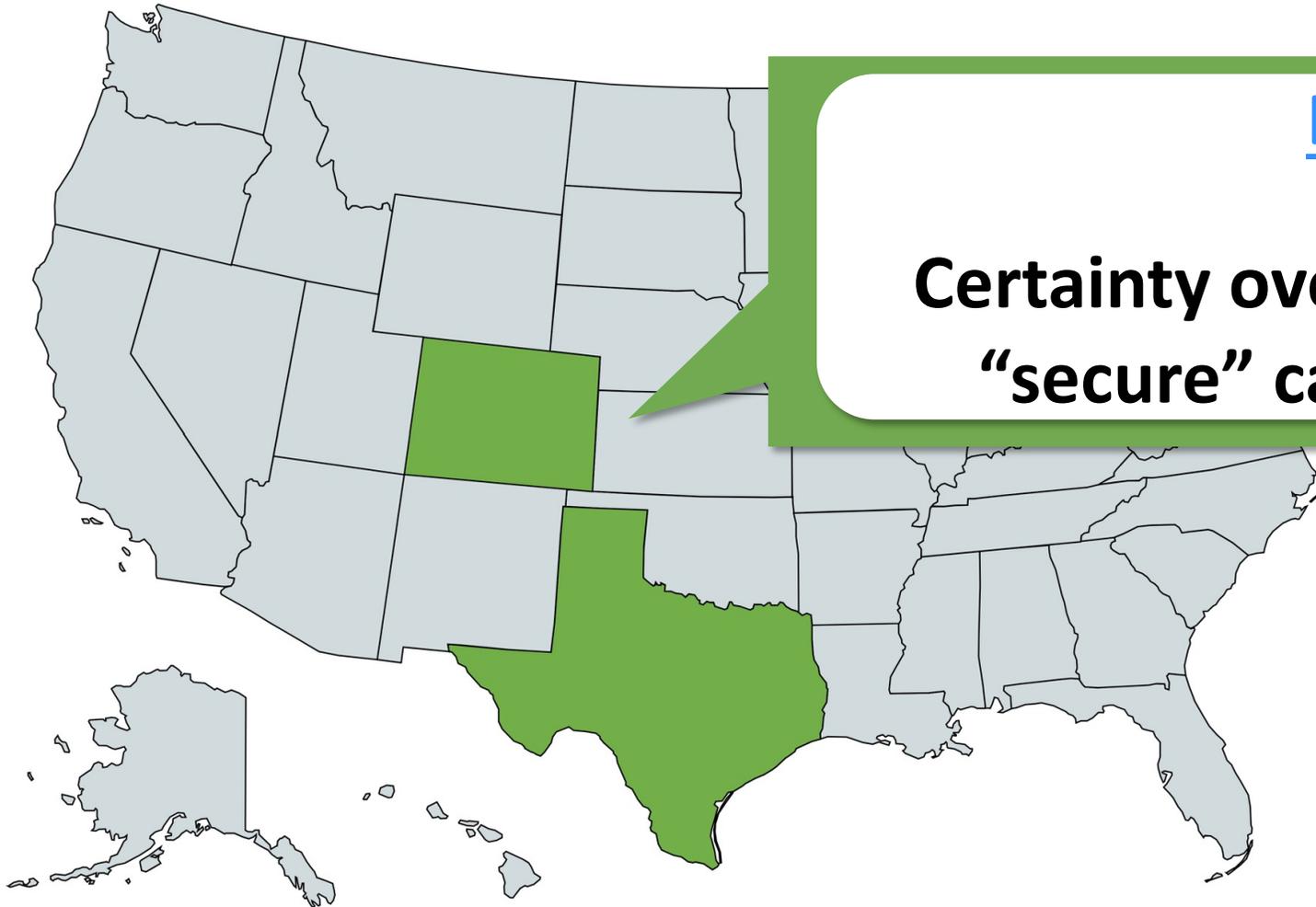
Colorado – Nutrient removal incentive program



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Benefit

**Certainty over planning horizon
“secure” capital investment**

TCEQ nutrient screening during permit application processing

...with advancing nutrient removal technology, experience gained from numerous contested case hearings, and new science regarding how waterbodies respond to nutrient enrichment, TP limits in issued permits have steadily become more stringent since 2011.

TCEQ nutrient screening during permit application processing

... Furthermore, TCEQ's nutrient screening procedures require limits based on site-specific conditions of the receiving waters. Given the clear waters in the upper reaches of the lake and the expectation of similar clear water conditions downstream of the dam, it is clear that further reductions in TP loading and concentrations are needed.

Therefore, the TCEQ has determined a TP limit is necessary

Meeting with TCEQ on July 12th

Discussion Items

- Update of WEAT Nutrient Committee mission and findings
- Status of TCEQ's nutrient criteria development
- Is TCEQ open to an incentive program?
 - What will be impacted?
 - Implementation Procedures
 - TSWQS
 - 30 TAC § 309.4
- Is an extended compliance schedule an option for Texas?
- What role does EPA Region VI have?