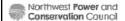


Agriculture: Irrigation

CRAC Meeting December 17, 2014







What Is Included?

- Hardware (nozzles, gaskets, hubs, etc)
 - Primarily based on RTF work
- SIS
 - BPA & RTF working on standard protocol for Jan meeting
- LESA Low Energy Spray Application
 - Formerly known as Low Energy Precision Application
 - New measure for 7th Power Plan







What is LESA?



- Applying water 12-18" above ground surface
- Low nozzle pressure (~6 psig)
- Water savings 15% average over season compared to MESA
- Complementary to SIS



3





Expected Costs & Savings

- Could potentially replace all center pivot irrigation systems on flat-slope field
- Preliminary analysis from BPA & WSU
 - Per center pivot system ~20 MWh
 - Regional potential ~20 aMW
 - Incremental cost \$2500/system

Northwest Power and Conservation Council

