

Proposed CSKT Compact Negotiation  
State of Montana Response to CSKT  
Proposal

October 27, 2014

# Goals of Proposed Compact Language

1. Define FIIP historic farm deliveries and delivery right
2. Corroborate accuracy of RDAs to provide for historic crop consumption levels
3. Provide options to satisfy MEFs/RDAs during times of shortage
4. Provide structure for adaptive management
5. Provide technical support for implementation of measurement program, operational improvements, R&B, and adaptive management

# Timeline for Implementation

## Operational Improvements

Period during which implementation of MEFs, RDAs, and TIFs is deferred. Interim instream flows (status quo) maintained

## Incremental Implementation

As Operational Improvements make water available within a service area, MEF/RDA/TIFs will be implemented gradually

## Full Implementation

Once Operational Improvements are completed, full implementation of MEF/RDA levels will occur, followed by TIFs

# Deferral Periods

Full implementation of MEFs is deferred until completion of Operational Improvements within a Service Area:

	Year 1	Year 2	Year 3	Year 4	MEF/RDA/TIF
Project 1	\$/percent complete	\$/percent complete	\$/percent complete	complete	Implemented
Project 2	\$/percent complete	\$/percent complete	complete		Implemented
Project 3	\$/percent complete	\$/percent complete	\$/percent complete	\$/percent complete	Implemented

# Priority

Subject to Adaptive Management and Shared Shortage Provisions

Minimum Enforceable Flows



Minimum Reservoir Pool Elevations



River Diversion Allowances



Target Instream Flows



Once TIFs are satisfied, reallocated water is split between TIFs and RDAs

# FIIP Water Use and Delivery Right

The water right dedicated to use by the FIIP and FIIP irrigators. Satisfied through delivery of RDAs specified in Compact Appendix.

Carries a right to delivery of water to assessed parcels. Delivery right:

- Is subject to water availability
- Runs with the land
- Is Transferrable
- Represented by delivery right authorization

# FIP Historic Farm Deliveries

Based on State's technical review of WUA

- Historic Farm Deliveries equal the sum of all farm deliveries to a service area, which includes:
  - ET+ on-farm conveyance loss + on-farm application inefficiencies
  - RDAs include the total HFD for the service area plus conveyance losses between headworks and farm turnouts.

# Corroboration of RDAs

1. Completion of Operational Improvements
2. Project Operator Measures Farm Turnouts
  - 3a. If Farm Turnout = Historic Farm Deliveries:  
RDAs Corroborated
  - 3b. If Farm Turnout  $\neq$  Historic Farm Deliveries:  
RDAs Adjusted

# Shared Shortage

When water supply will not meet MEF + RDA:

1. MEFs are met.
2. Streamflow that would otherwise support TIFs diverted to support RDAs.
3. FIIP Reservoir Pool Minimums may be accessed to support RDAs.
4. Short-term use of Flathead System Compact Water.

# Adaptive Management

Adaptive Management provisions are intended to facilitate real-time implementation of Compact:

1. Water measurement and forecasting
2. Flexible implementation of MEF/TIF/RDA levels
3. Implementation of shared-shortage provisions
4. Ability to set weekly MEF/TIF/RDA levels

# Interim Technical Team

Composed of two members each from the State, Tribes, and Project.

1. Design and implement measurement program
2. Design distribution procedures for monthly MEF/TIF/RDA flows based on compact provisions
3. Design forecasting methods for yearly and within-season water supply forecasting.