



## Water Policy Interim Committee

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### 63rd Montana Legislature

#### SENATE MEMBERS

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JENNIFER FIELDER  
BRADLEY MAXON HAMLETT  
SHARON STEWART-PEREGOY

#### HOUSE MEMBERS

KATHLEEN WILLIAMS--Vice Chair  
PAT CONNELL  
STEVE FITZPATRICK  
REILLY NEILL

#### COMMITTEE STAFF

JASON MOHR, Lead Staff  
HELEN THIGPEN, Staff Attorney  
NADINE SPENCER, Secretary

# MINUTES LOG

## CSKT Compact Technical Working Group

June 12, 2014

Room 335, State Capitol Building  
Helena, Montana

Please note: These minutes provide abbreviated information about committee discussion, public testimony, action taken, and other activities. To the left of each section in these minutes is a time designation indicating the approximate amount of time in hours, minutes, and seconds that has elapsed since the start of the meeting. This time designation may be used to locate the referenced discussion on the audio or video recording of this meeting.

Access to an electronic copy of these minutes and the audio or video recording is provided from the Legislative Branch home page at <http://leg.mt.gov>. On the left-side menu of the home page, select *Committees*, then *Interim*. Once on the page for *Interim Committees*, scroll down to the appropriate committee. The written minutes summary, along with the audio and video recordings, are listed by meeting date on the interim committee's web page.

Hard copies of the exhibits for this meeting are available upon request. Legislative Council policy requires a charge of 15 cents a page for copies of the document.

### **COMMITTEE MEMBERS PRESENT**

MR. JOHN METESH, Chair  
MR. ANDREW BRUMMOND  
MR. RUSSELL LEVENS  
MR. KIRK WAREN

### **COMMITTEE MEMBERS EXCUSED**

MR. LARRY DOLAN  
MR. MIKE MCLANE

### **STAFF PRESENT**

JOE KOLMAN, Legislative Environmental Analyst  
HELEN THIGPEN, Staff Attorney  
NADINE SPENCER, Secretary

## **AGENDA & VISITORS' LIST**

Agenda, [Attachment 1](#).  
Visitors' list, [Attachment 2](#).

## **COMMITTEE ACTION**

None

## **CALL TO ORDER AND ROLL CALL**

00:00:05 John Metesh, State Geologist, Director, Montana Bureau of Mines and Geology (MBMG), called the meeting to order at 1:00 p.m. The secretary called the roll, [Attachment 3](#).

## **AGENDA**

### **INTRODUCTIONS**

00:00:47 Seth Makepeace, Hydrologist, Confederated Salish and Kootenai Tribe (CSKT)  
00:01:02 Dan Decker, Legal Department, CSKT  
00:01:14 Mike Murphy, Executive Director, Montana Water Resources Association  
00:01:25 Kate Vandemoer, Hydrologist, Concerned Citizens of Western Montana  
00:01:33 Mark Baker, Attorney, Anderson, Baker, and Swanson, representing the CSKT  
00:01:41 Wade Irons, Technical Consultant for the CSKT, DOWL HKM  
00:01:49 Mary Price, Staff Scientist, Legal Department, CSKT  
00:02:05 Joe Kolman, Legislative Environmental Analyst, Legislative Services Division (LSD)

00:02:14 Mr. Metesh

### **INTRODUCTIONS CONTINUED**

00:03:34 Patricia Dowd, Montana Water Stewards  
00:03:40 Stan Jones, Hydrologist, Reserved Water Rights Compact Commission (RWRCC)

## **AGENDA**

### **TECHNICAL ELEMENTS OF CSKT WATER RIGHTS SETTLEMENT**

#### **CSKT water measurement program**

00:04:32 Seth Makepeace gave an introduction and PowerPoint presentation highlighting the CSKT water measurement program, [Exhibit 1](#).

00:12:00 Mr. Metesh  
00:12:19 Mr. Makepeace

00:12:57 Mr. Makepeace continued his presentation.

### **Flathead Indian Irrigation Project (FIIP) water use agreement**

00:20:14 Mr. Makepeace

00:30:52 Mr. Metesh

00:31:13 Mr. Makepeace

00:31:55 Mr. Makepeace continued his presentation.

### **Working group questions and discussion**

00:45:02 Mr. Metesh

00:45:30 Mr. Makepeace

00:46:58 Mr. Metesh

00:47:43 Mr. Makepeace

00:49:26 Mr. Metesh

00:50:04 Mr. Makepeace

00:50:50 Mr. Metesh

00:51:01 Mr. Makepeace

00:52:23 Mr. Metesh

00:52:30 Mr. Makepeace

00:52:53 Mr. Metesh

00:53:38 Mr. Makepeace

00:55:12 Mr. Metesh

00:55:43 Mr. Makepeace

00:56:19 Mr. Metesh

00:57:18 Mr. Makepeace

00:57:59 Mr. Metesh

00:58:04 Mr. Makepiece

### **TECHNICAL BASIS FOR THE WATER USE AGREEMENT**

00:59:25 Mr. Irons

01:01:54 Ms. Vandemoer

01:02:27 Mr. Irons

01:02:51 Ms. Vandemoer

01:04:18 Mr. Irons

01:04:40 Mr. Irons discussed the objectives behind the water use agreement.

### **1983 - 2002 Study Period**

01:07:57 Mr. Irons

### **Model Structure**

01:10:21 Mr. Irons  
01:14:23 Mr. Metesh  
01:14:45 Mr. Irons  
01:16:05 Mr. Metesh  
01:16:58 Mr. Irons  
  
01:17:51 Mr. Irons continued his presentation.  
  
01:19:27 Mr. Metesh

### **Key Input - Natural Flows**

01:19:34 Mr. Irons  
  
01:20:58 Mr. Metesh  
01:21:03 Mr. Irons  
01:21:18 Ms. Vandemoer  
01:21:41 Mr. Irons  
01:22:24 Ms. Vandemoer  
01:22:35 Kirk Waren, Senior Research Hydrologist and Groundwater Modeler, Ground  
Water Investigation Program, MBMG  
01:22:45 Mr. Irons  
  
01:23:13 Mr. Irons continued his presentation.

### **Key Input - Irrigated land mapping**

01:24:57 Mr. Irons

### **Key Input - FIIP irrigation system configuration**

01:26:03 Mr. Irons  
  
01:28:16 Mr. Metesh  
01:28:21 Mr. Irons  
  
01:28:31 Mr. Irons continued his presentation.

### **Key Input - Crop water requirements**

01:30:56 Mr. Irons

### **Results of water accounting model**

01:46:24 Mr. Irons

### **Calibration and other reasonableness checks**

01:51:32 Mr. Irons

01:56:35 Mr. Metesh

01:58:11 Mr. Irons

01:58:51 Mr. Metesh

01:59:44 Mr. Irons

02:00:19 Mr. Metesh

02:01:00 Mr. Irons

02:02:55 Mr. Waren

02:03:21 Mr. Irons

02:04:52 Mr. Irons continued his presentation.

02:11:38 Ms. Vandemoer

02:12:29 Mr. Irons

02:13:12 Ms. Vandemoer

02:13:40 Mr. Irons

02:13:58 Mr. Metesh

02:14:33 Mr. Irons

02:15:23 Mr. Metesh

02:15:35 Mr. Irons

02:16:08 Mr. Metesh

02:16:11 Mr. Irons

02:16:53 Ms. Dowd

02:17:13 Mr. Irons

02:17:22 Mr. Metesh

02:17:29 Mr. Irons

02:17:50 Mr. Irons continued his presentation.

### **Water available through FIIP operational improvements**

02:26:37 Mr. Irons

02:41:17 Mr. Metesh

02:41:39 Mr. Irons

02:42:44 Mr. Irons gave a review of the report completed by Jerry Laskody, Mission Irrigation District, [Exhibit 2](#).

02:43:40 Mr. Makepeace

02:43:49 Mr. Irons

02:56:52 Mr. Metesh  
02:57:03 Mr. Irons  
02:57:09 Mr. Makepeace  
02:57:58 Ms. Vandemoer  
02:58:15 Mr. Makepeace  
02:58:24 Mr. Irons

#### **WORKING GROUP QUESTIONS, DISCUSSION AND ACTION**

02:58:38 Mr. Metesh  
02:59:35 Mr. Irons  
03:01:45 Mr. Metesh  
03:02:05 Mr. Irons  
03:03:17 Mr. Metesh  
03:04:30 Mr. Irons  
03:05:23 Mr. Makepeace  
03:05:54 Mr. Irons  
03:07:04 Ms. Vandemoer  
03:08:33 Mr. Irons  
03:09:07 Ms. Vandemoer  
03:10:28 Mr. Irons  
03:10:36 Ms. Vandemoer  
03:11:09 Mr. Irons  
03:11:17 Ms. Vandemoer  
03:11:31 Mr. Irons  
03:11:34 Mr. Makepeace  
03:12:22 Ms. Vandemoer  
03:12:32 Mr. Makepeace  
03:13:11 Ms. Vandemoer  
03:13:19 Mr. Makepeace  
03:14:12 Ms. Vandemoer  
03:14:16 Mr. Makepeace  
03:14:36 Mr. Metesh  
03:15:15 Mr. Irons  
03:16:05 Mr. Metesh  
03:16:17 Mr. Irons  
03:16:39 Mr. Metesh  
03:18:13 Mr. Makepeace  
03:18:33 Mr. Kolman  
03:19:03 Mr. Makepeace  
03:19:33 Mr. Metesh  
03:19:42 Mr. Kolman  
03:20:27 Mr. Metesh  
03:20:37 Mr. Makepeace  
03:20:57 Mr. Kolman  
03:22:08 Mr. Metesh  
03:24:18 Ms. Price  
03:24:28 Mr. Metesh

03:26:06 Mr. Irons  
03:26:10 Mr. Metesh  
03:26:21 Mr. Makepeace  
03:27:09 Mr. Metesh  
03:27:54 Mr. Makepeace  
03:28:14 Mr. Waren  
03:29:13 Mr. Metesh  
03:29:59 Ms. Vandemoer  
03:30:19 Mr. Metesh  
03:30:26 Mr. Levens, Section Supervisor/Ground Water Hydrologist, Water Management  
Bureau, Department of Natural Resources and Conservation, DNRC  
03:30:47 Ms. Dowd  
03:31:51 Mr. Metesh  
03:32:04 Mr. Kolman  
03:33:32 Mr. Metesh  
03:34:21 Ms. Price  
03:34:33 Mr. Metesh said the work group will explore adding a meeting on July 2 in order  
to include the CSKT.  
  
03:35:48 Mr. Metesh adjourned the meeting at 4:35 p.m.

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