BACKGROUND & CONTEXT

• Water Use Planning (WUP)
• Columbia Water Use Plan
• Arrow Lakes Reservoir Soft Constraint Targets
• Scope of 5-Year Review of Arrow Lakes Reservoir Soft-Constraint Targets
WATER USE PLANNING (WUP)

A pro-active approach to review and balance economic, social, and environmental interests at BC Hydro facilities.

• In 1998, ordered to complete 23 Water Use Plans for BC Hydro’s 30 facilities.

• Focused on incremental changes related to impacts of current operations and river flows.

• The consultative process followed the provincial government’s Water Use Plan Guidelines.
OVERVIEW OF WATER USE PLANNING

Initiation and announcement

Plan development

Draft plan

Consultation Phase

Provincial review and decision

Authorized plan

Federal review

Implementation plan

Approval Phase

Monitoring and compliance assessment

Periodic plan review

Implement
WATER USE PLAN

Consultative Committee

Province

BC Hydro

Interest

Physical Works

Key Questions

Operational Changes

Comptroller of Water Rights (CWR) Orders

Physical Works

Monitoring Studies

Operational Changes
BC Hydro Facilities on the Columbia River

- Mica Reservoir
- Revelstoke Reservoir
- Arrow Lakes Reservoir
- Hugh Keenleyside
- Kinbasket Reservoir

Alberta

B.C.

U.S.A.
COLUMBIA WUP

Columbia Water Use Plan Timeline

- Initiation: August 1, 2000
- Consultation: February 2001 to June 2004
- CWR & Federal Approval: January 11, 2007
- Rev 5 Addendum CWR Approval: August 1, 2007
- Mica 5/6 Addendum CWR Approval: August 1, 2010

- Recognized local and downstream flood control operations, as required by the Columbia River Treaty.
- Included incremental changes to existing operations implemented unilaterally.
COLUMBIA WUP COMMITMENTS

$115 million over 12 years for 93 monitoring studies and physical works.

Projects under Columbia Water License Requirements

- Monitoring
- Physical Works and Feasibility
- Addendums to existing

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Columbia
Rev 5 2007
Mica 5/6 2010
Total 2014
ARROW LAKES RESERVOIR

Consultative Committee

Province

BC Hydro

Physical Works
Key Questions
Operational Changes

Interest

Comptroller of Water Rights Orders

Physical Works
Monitoring Studies
Operational Changes
ARROW LAKES RESERVOIR

- Interest
  - Physical Works
  - Key Questions

- Comptroller of Water Rights Orders
  - Physical Works
  - Monitoring Studies

- Soft Constraint Targets
ARROW LAKES RESERVOIR SOFT CONSTRAINT TARGETS
SCOPE OF 5-YEAR REVIEW OF SOFT CONSTRAINT TARGETS

- Review Arrow Lakes Reservoir operations in last 5 years and soft constraint target performance.
- Review Non-Treaty Storage Agreement outcomes.
- Review progress to date and key outcomes of monitoring programs and completed physical works.