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# **Kilarc-Cow Creek Hydroelectric Project Decommissioning FERC Project No. 606**

## **Public Meetings**

September 12th and 13th, 2007



# Introductions and Meeting Process

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# Objectives for Meeting

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- Present Preliminary Proposed Decommissioning Plan
- Open 30-day period for public comments
- Provide initial opportunity for comments

# Agenda

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- Background
- Development of Preliminary Proposed Decommissioning Plan
- Process and Schedule for comments
- Scope of Decommissioning Plan
- Overview of Preliminary Proposed Decommissioning Plan
- Review schedule for License Surrender Process
- Public comments

# Background

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- PG&E initially sought to renew license to operate, filed Notice of Intent to relicense (2002)
- After performing initial studies and consulting with Relicensing Stakeholders, PG&E decided not to relicense
- Decision Based On:
  - Project economics
  - Anticipated new license conditions
  - Environmental benefits of decommissioning

# Background

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- Entered into a Project Agreement to implement decommissioning
- PG&E agreed not to seek a new license
- FERC issued “Public Notice” that the license was available
- Several entities evaluated acquiring the license and Project, but failed to file license application
- FERC ordered PG&E to develop a decommissioning plan and file a License Surrender Application by March 2009



## Development of Preliminary Proposed Decommissioning Plan

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- Project Agreement - “Desired Conditions”
- Comments received at public meetings, site visit
- Informal discussions with stakeholders
- Written comments
- Preliminary engineering analysis

## Process and Schedule for Comments

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- Plan introduced today and posted on the website <http://www.kilarccowcreek.com/>
- Opens 30-day period for public review and written comment
- Public comments due to PG&E by October 12th
- PG&E reviews comments
- Discuss PG&E's responses to public comments at November 7th/8th meetings



# Scope of Decommissioning Plan

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- FERC has defined the scope of the decommissioning plan
- Scope is for rendering the Project non-operational, now and in the future (as directed by FERC)
- FERC will conduct an Environmental Assessment

# Preliminary Proposed Decommissioning Plan Overview

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- Most facilities proposed for removal
- Provides the general scope of decommissioning activities to allow FERC to conduct the Environmental Analysis
- After FERC issues License Surrender Order, PG&E will develop detailed engineering decommissioning plans

# Diversion Dams



South Cow Creek Diversion Dam



# Diversion Dams



Kilarc Diversion Dam



# Canals and Conduits



Mill Creek Canal - Earthen Section



# Canals and Conduits



Kilarc Main Canal – Shotcrete Lined Section



# Canals and Conduits



Kilarc Main Canal – Concrete Section



# Canals and Conduits

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Kilarc Main Canal – Wooden Flume



# Canals and Conduits



Kilarc Main Canal – Steel Flume



# Tunnel

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South Cow Creek Canal - Tunnel

# Penstocks

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Kilarc Penstock



# Powerhouses and Switchyards

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Kilarc Powerhouse



# Powerhouses and Switchyards

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Kilarc Powerhouse and Switchyard

# Powerhouses and Switchyards

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Cow Creek Powerhouse



# Forebays



Cow Creek Forebay

# Forebays



Kilarc Forebay

# Kilarc Forebay

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- Operation for Power Generation
  - Not an Option for PG&E
  - FERC has directed PG&E to render the Project non-operational



# Operation by Other Party for Power Generation

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- Orphan Phase Passed
- FERC has Ultimate Authority



# Kilarc Operation As a Recreation Facility

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- PG&E will not operate Kilarc Forebay as a recreation facility
- Issues that would need to be addressed
  - Entity to take-on liability for future operation and maintenance as a recreation facility
  - Procure Water Rights for recreation
  - Upgrade diversion structure to current standards
  - Obtain land rights or easements for public access and facilities
  - FERC approval

# Schedule for Decommissioning Plan Review

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- Stakeholder comments due to PG&E by October 12th
- Discuss PG&E's responses to stakeholder comments at November 7th/8th meetings

## Schedule for Developing License Surrender Application

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- Develop Draft License Surrender Application August 2008
  - Incorporates revised Preliminary Proposed Decommissioning Plan
  - Results of any additional studies
- Public comment period
- Final License Surrender Application filed at FERC March 2009

## Preliminary Estimated Cost

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Activity Phase	Estimated Cost
Preparation and Filing of Surrender Application, including Decommissioning Plan	\$1,000,000
Project Facility Removal	\$8,000,000
Post Decommissioning Monitoring	\$1,400,000
Total Estimated Decommissioning Cost	\$10,400,000

## FERC Actions After Filing

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- FERC Conducts Environmental Assessment
- Only evaluates decommissioning alternatives
- Issues Order to develop detailed plans (6 month – 2 years)
  - PG&E prepares and files engineering removal plan and site restoration plan (6 – 12 months)
  - FERC Orders PG&E to discontinue generation and decommission Project
- PG&E Decommissions Project (2 years)
  - Follow-up monitoring (2 years)

# Public Comment

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