

FEDERAL ENERGY REGULATORY COMMISSION
Washington, DC 20426

DATE: May 5, 2008

MEMORANDUM TO: The Agency/Party Addressed

SUBJECT: Scoping of environmental issues for the proposed Lake Powell Pipeline Project, FERC No. 12966, Utah and Arizona

The Federal Energy Regulatory Commission (Commission) is doing National Environmental Policy Act (NEPA) scoping for the proposed Lake Powell Pipeline Project and the anticipated license application for the Lake Powell Hydroelectric System FERC No. 12966 (Hydro System), a component of the water supply pipeline, located in Utah and Arizona.

The Utah Board of Natural Resources (Utah) filed its Notice of Intent and Pre-Application Document (PAD) for the Hydro System on March 4, 2008 and will use the Commission's Integrated Licensing Process (ILP) for the Hydro System licensing, and to prepare the environmental record needed by other federal agencies reviewing the project. Because the Hydro System is only one component of the proposed 180-mile-long water supply pipeline project, construction of substantial parts of the overall project will require permits from other federal agencies. Utah intends its PAD (and subsequent studies) to be used by all the agencies that would need to issue permits for the pipeline, developing a record that can be used to prepare a single environmental analysis document covering the entire water supply pipeline.

Pursuant to NEPA, we intend to prepare an environmental impact statement (EIS) for the entire Lake Powell Pipeline Project, in cooperation with other federal agencies, that would be used by the Commission to determine whether, and under what conditions, to issue an original hydropower license for the Hydro System and that would be used by other federal agencies for their decisions. To support and assist our environmental review, we are beginning the public scoping process to ensure that all pertinent issues are identified and analyzed.

We invite you to participate in the scoping process and are circulating the attached Scoping Document 1 (SD1) to provide you with information on the project and to ask for comments and suggestions on our preliminary list of issues and alternatives to be addressed in the EIS. Please review this SD1 and, if you wish to provide comments, follow the instructions included in section 5.0 *Request for Information*.

The Commission's regulations for the ILP require that parties wishing to submit comments on the PAD or staff's SD1, or wishing to request studies, do so within 60 days of the issuance date of SD1.¹

As part of our scoping process and in an effort to identify issues, concerns, and opportunities associated with the proposed action, we will hold three scoping meetings on June 10, 11, and 12, 2008, to receive comments on the scope of the EIS. The public scoping meetings will be held at the Dixie Center, 1835 Convention Center Drive, St. George, Utah; Cedar City Festival Hall Conference Center, 105 North 100 East, Cedar City, Utah; and Kanab Middle School, 690 Cowboy Way, Kanab, Utah. More information on the meetings is available in the attached SD1.

A site visit is typically held in conjunction with the scoping meeting. The site visit for the projects is scheduled to take place on June 9 and June 10, 2008. The SD1 also has details on the site visit, including the person to contact if you are interested in attending.

Please direct any questions about the licensing of the Hydro System to Jim Fargo at (202) 502-6095, james.fargo@ferc.gov.

enclosure: Scoping Document 1

cc: Utah Board of Water Resources
1594 W. North Temple
P.O. Box 14620
Salt Lake City, UT 84114-6201

¹ CFR 18 Section 5.9 *Comments and information or study requests*

SCOPING DOCUMENT 1

LAKE POWELL PIPELINE PROJECT

FERC PROJECT No. 12966

Federal Energy Regulatory Commission
Office of Energy Projects
Division of Hydropower Licensing
Washington, DC

May 2008

TABLE OF CONTENTS

1.0 INTRODUCTION	3
2.0 SCOPING	6
2.1 PURPOSES OF SCOPING	6
2.2 COMMENTS AND SCOPING MEETINGS.....	6
3.0 PROPOSED ACTION AND ALTERNATIVES	8
3.1 UTAH’S PROPOSED ACTION	9
3.2 STAFF’S AND OTHER MODIFICATION OF THE PROPOSED ACTION	10
3.3 NO ACTION ALTERNATIVE	11
4.0 SCOPE OF CUMULATIVE ANALYSIS AND RESOURCE ISSUES	11
4.1 CUMULATIVE EFFECTS	11
4.1.1 <i>Geographic Scope</i>	11
4.1.2 <i>Temporal Scope</i>	11
4.2 LAKE POWELL PIPELINE PROJECT EFFECTS	12
4.2.1 <i>Geology and Soil Resources</i>	12
4.2.2 <i>Water Resources</i>	12
4.2.3 <i>Aquatic Resources</i>	13
4.2.4 <i>Terrestrial Resources</i>	14
4.2.5 <i>Threatened and Endangered Species</i>	14
4.2.6 <i>Recreation</i>	15
4.2.7 <i>Aesthetics and Noise</i>	16
4.2.8 <i>Archaeological and Historic Resources</i>	16
4.2.9 <i>Socioeconomic Resources</i>	16
4.2.10 <i>Developmental Resources</i>	16
4.3 PROPOSED PROTECTION, MITIGATION, AND ENHANCEMENT MEASURES	17
5.0 REQUEST FOR INFORMATION	17
6.0 EIS PREPARATION SCHEDULE	19
7.0 EIS OUTLINE	19
8.0 LIST OF COMPREHENSIVE PLANS	21
9.0 INTERESTED PARTIES MAILING LIST	23

1.0 INTRODUCTION

The Federal Energy Regulatory Commission (Commission or FERC), under the authority of the Federal Power Act (FPA),² may issue licenses for up to 50 years for the construction, operation, and maintenance of non-federal hydroelectric projects. The Utah Board of Natural Resources (Utah) filed its Notice of Intent and Pre-Application Document (PAD) for the Lake Powell Hydroelectric System FERC No. 12966 (Hydro System) of the Lake Powell Pipeline Project on March 4, 2008 and will use the Commission's Integrated Licensing Process (ILP) for the project's licensing.

The National Environmental Policy Act of 1969 (NEPA),³ the Commission's regulations, and other applicable laws require that we independently evaluate the environmental effects of the proposed project and reasonable alternatives. Based on a preliminary analysis of the issues, Commission staff is proposing to prepare an environmental impact statement (EIS) that describes and evaluates the probable effects, including an assessment of the cumulative effects, if any, of the proposed action and alternatives considered.

The Commission has jurisdiction with regard to the Hydro System. Because the Hydro System is only one component of the proposed 180-mile-long water supply pipeline project, construction of substantial parts of the overall project will require permits from other federal agencies. Utah intends its PAD (and subsequent studies) to be used by all the agencies that would need to issue permits for the pipeline, developing a record that can be used to prepare a single environmental analysis document covering the entire water supply pipeline. This scoping process will help the other federal agencies identify the pertinent issues that need to be analyzed in the EIS for the Lake Powell Pipeline Project.

To ensure cooperation among federal agencies that have jurisdiction with regards to the pipeline, the Commission intends to enter into a Memorandum of Understanding (MOU) with each of the agencies. This MOU would accomplish the following: (1) all of the federal agencies that need to authorize part of the pipeline project would be working

²16 U.S.C. §791(a) -825(r).

³National Environmental Policy Act of 1969, as amended (Pub. L. 91-190. 42 U.S.C. 4321-4347, January 1, 1970, as amended by Pub. L. 94-52, July 3, 1975, Pub. L. 94-83, August 9, 1975, and Pub. L. 97-258, §4(b), Sept. 13, 1982).

together under a single process and (2) the scope of the environmental analysis can expand from the hydro system to include the entire pipeline project. We expect that the MOU's will be in place before we issue Scoping Document 2.

The proposed Lake Powell Pipeline, of which the Hydro System is a component, is both a water supply and power generation project that would include about 180 miles of underground pipe. The pipeline project would consist of four systems: 1) Water Intake System, 2) Water Conveyance System, 3) Hydro System, and 4) Cedar Valley Pipeline System. The Hydro System includes large diameter penstocks, seven powerhouses and regulating tanks, a forebay, pumped storage hydro facility, an afterbay, and associated power transmission facilities and equipment (See figure 1).

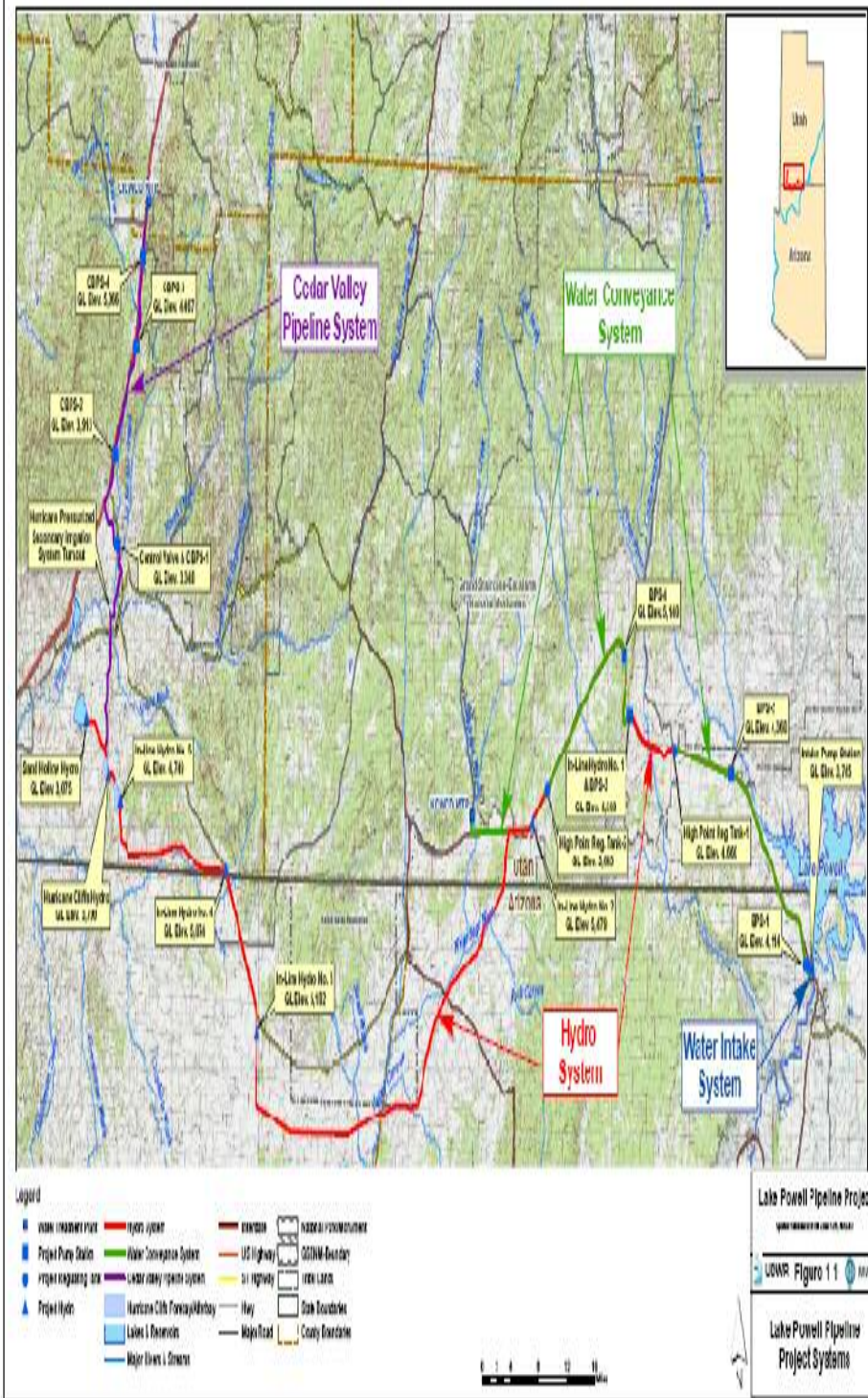


Figure 1—Proposed Lake Powell Pipeline

2.0 SCOPING

2.1 Purposes of Scoping

Scoping is the process used to identify issues, concerns, and opportunities associated with a proposed action. According to NEPA, scoping should be conducted early in the planning stage of a project. The purposes of scoping are as follows:

- invite federal, state, and local resource agencies, Indian tribes, nongovernmental organizations (NGOs), and interested persons to help us identify significant environmental and socioeconomic issues related to the proposed action;
- determine the depth of analysis and significance of issues to be addressed in the EIS;
- identify how the project would or would not contribute to cumulative impacts in the project area;
- identify reasonable alternatives to the proposed action that should be evaluated in the EIS;
- ask participants for information they have available on the resources at issue; and
- determine the resource areas and potential issues that do not require detailed analysis during review of the project.

2.2 Comments and Scoping Meetings

Between now and the time when the Commission and the other responsible federal agencies (federal agencies) take action on the Lake Powell pipeline, there will be the following opportunities to comment:

- During the public scoping process and study plan meetings, which occur prior to preparation of the EIS; so that the Commission staff and agencies can receive written comments regarding issues or the scope and content of studies

- In response to the Commission's notice that the project is ready for environmental analysis.
- After issuance of the draft EIS.

Besides the written comments we ask for in this SD1, Commission staff will hold three public scoping meetings in the vicinity of the projects. We invite all interested agencies, Indian tribes, NGOs, and individuals to attend one of the meetings to help staff identify the scope of environmental issues that should be analyzed in the EIS.

The times and locations of the scoping meetings are as follows:

Tuesday, June 10, 2008	5:00 p.m. to 9:00 p.m.	Kanab Middle School 690 Cowboy Way Kanab, Utah
Wednesday, June 11, 2008	5:00 p.m. to 9:00 p.m.	Dixie Center 1835 Convention Center Drive St. George, Utah
Thursday, June 12, 2008	5:00 p.m. to 9:00 p.m.	Festival Hall Conference Center 105 North 100 East Cedar City, Utah

On June 9 & 10, 2008, Commission staff will visit the site of the proposed Lake Powell Pipeline. We will view the proposed pipeline route and possibly alternative routes that have been considered for the project. Staff will tour these proposed project areas by automobile and on foot. Representatives of the Utah Board of Natural Resources will accompany the Commission staff.

Interested parties may attend the site visit. Those planning to attend must provide their own transportation. If you are interested in attending the site visit, or would like more information about the visit, please contact Harold Sersland at (801)310-0089. Those attending the site visit on Monday, June 9, should meet at 8:00 a.m. at Sand Hollow Reservoir State Park entrance pay station (please bring your own food and water for the day). The plan on Monday is to tour Sand Hollow Hydro Site 7 and Hurricane Cliffs Hydro Sites 5 and 6, and then follow the proposed pipeline route until south of the Kaibab Indian Reservation, ending at about 5:00 p.m.

Those taking the site visit on Tuesday, June 10, should meet at 8:00 a.m. at the BLM Interpretive Center in east Kanab on U.S. 89, (again please bring own food and water for the day). The trip will start near the proposed Hydro Site 2 and end at Glen Canyon National Recreation Area at Lake Powell around 2:00 p.m.

A court reporter will be available at the scoping meetings to record statements, and all statements (oral and written) will become part of the Commission's public record for the project. Interested parties who choose not to speak or who are unable to attend any of the scoping meetings may provide written comments and information to the Commission as described in section 5.0. These meetings are posted on the Commission's calendar located on the internet at <http://www.ferc.gov/EventCalendar/EventsList.aspx> along with other related information.

Meeting participants should come prepared to discuss their issues and concerns as they pertain to the project. To prepare for the scoping meetings, we ask that participants review the Pre-Application Document (PAD). A copy of the PAD is available for review at the Commission in the Public Reference Room or may be viewed on the Commission's website (<http://www.ferc.gov>), using the "eLibrary" link. Enter the docket number, P-12966 to access the document. For assistance, contact FERC Online Support at FERCOnlineSupport@ferc.gov or toll free at 1-866-208-3676, or for TTY, (202) 502-8659.

Following the scoping meetings and comment period, all issues raised will be reviewed and decisions will be made about the level of analysis needed. If preliminary analysis shows that any issues presented in this scoping document have little potential for causing significant effects, the issue(s) will be identified and the reasons for not providing a more detailed analysis will be given in Scoping Document 2.

The EIS will address the major issues identified during the scoping process.

3.0 PROPOSED ACTION AND ALTERNATIVES

In accordance with NEPA, our environmental analysis will consider the following alternatives, at a minimum: (1) Utah's proposed action, (2) staff's and other modification of the proposed action, and (3) no action. Given our expectation that other federal agencies with permitting responsibilities will reply to our request for cooperating agency status, the scoping document describes the entire Lake Powell Pipeline and issues

associated with it. We want to make it clear, however, that the Commission only has jurisdiction over the part of the pipeline that pertains to the Hydro System.

3.1 Utah's Proposed Action

The proposed pipeline project consists of building and operating 139 miles of 69-inch-diameter pipeline and penstock; 35 miles of 48- to 30-inch-diameter pipeline; 6 miles of 24-inch-diameter pipeline; a combined conventional peaking and pumped storage hydro station; and six conventional in-line hydro stations on federal, state, and private lands in Kane, Washington, and Iron counties, Utah, and in Coconino and Mohave counties, Arizona.

Starting at Lake Powell, a water intake would convey water from the Bureau of Reclamation's Lake Powell up to a high point within the Grand Staircase-Escalante National Monument. From there, the water would go through a series of hydroelectric turbines, ending at Sand Hollow reservoir, near St. George, Utah. To serve Iron County, Utah proposes another pipeline, the Cedar Valley Pipeline System, from the Hurricane Cliffs afterbay reservoir to Cedar Valley in Iron County, Utah.

The primary project facilities would include the following:

- A Water Intake System on the west side of Lake Powell in Coconino County, Arizona.
- 44 miles of 69-inch-diameter buried pipeline from Lake Powell to two regulating tanks at high points in the Grand Staircase-Escalante National Monument along a 60-foot-wide operational right-of-way in Kane County, Utah.
- Four booster pump stations along the 44-mile-long pipeline, three in Kane County, Utah and one in Coconino County, Arizona, and 6.6 miles of power transmission line to supply electricity to the pump stations.
- 6.3 miles of 24-inch-diameter buried pipeline from the 69-inch-diameter penstock west of the Grand Staircase-Escalante National Monument boundary to the mouth of Johnson Canyon, terminating at a proposed regional water treatment plant serving Kane County Water Conservancy District in Kane County, Utah.

- 95 miles of 69-inch-diameter buried penstock, which includes 88 miles of continuous penstock pipeline from the two regulating tanks at high points in the Grand Staircase-Escalante National Monument to the existing Sand Hollow Reservoir, along a 60-foot wide operational right-of-way in Kane and Washington counties, Utah and Coconino and Mohave counties, Arizona.
- Five in-line hydro stations using impulse type turbine units along the pipeline and penstock alignment, ranging in capacity from 1.0 megawatt (MW) to 3.5 MW; including two in Kane County, Utah; one in Mohave County, Arizona; and two in Washington County, Utah.
- Hurricane Cliffs Pumped Storage Hydro consisting of two generating units with combined capacity of 300 MW alongside a single 35-MW peaking generating unit in Washington County, Utah.
- Sand Hollow Hydro, consisting of a turbine generating system with a single generating unit of about 3.5-MW capacity, at the terminus of the Lake Powell Pipeline along the shoreline of the existing Sand Hollow reservoir in Washington County, Utah.
- 42 miles of power transmission line, including about 35 miles of 138-kV line connecting in-line hydro stations to the existing power grid and about 7 miles of 345-kV line from the Hurricane Cliffs Pumped Storage Hydro and Sand Hollow Hydro to the planned Hurricane West 345-kV substation.
- 35-miles of 48- to 30-inch-diameter buried pipeline from the Hurricane Cliffs afterbay to the Hurricane pressurized secondary irrigation system and to a regional water treatment plant in the Cedar Valley near Kanarraville along a 50-foot-wide operational right-of-way in Washington and Iron counties, Utah, and 2.2 miles of power transmission line to supply electricity to the four booster pump stations that pump water to Iron County.

3.2 Staff's and Other Modification of the Proposed Action

Commission staff will consider and assess all alternative recommendations for location or other changes to the proposed project, as well as protection, mitigation, and enhancement measures identified by the Commission staff, other agencies, Indian tribes, NGOs, and the general public.

3.3 No Action Alternative

Under the no-action alternative, the needed authorizations for the pipeline project would not be granted. There would be no disturbance of existing environmental conditions at the site, and the water supply and power generation needs would be addressed through other means. The no action alternative is our baseline to establish environmental conditions for comparison with other alternatives.

4.0 SCOPE OF CUMULATIVE ANALYSIS AND RESOURCE ISSUES

4.1 Cumulative Effects

According to the Council on Environmental Quality's regulations for implementing NEPA (Section 1508.7), a cumulative effect is the impact on the environment that results from the incremental impact of the action when added to other past, present and reasonably foreseeable future actions, regardless of what agency or person undertakes such other actions. Cumulative effects can result from individually minor but collectively significant actions taking place over a period of time, to include hydropower and other land and water development activities.

Based on information in the Pre-Application Documents, we have not identified any resources as potentially cumulatively affected by construction and operation of the Lake Powell Pipeline Project. By this document, we are asking for recommendations on resources that may be affected cumulatively.

4.1.1 Geographic Scope

The geographic scope of the analysis defines the physical limits or boundaries of the proposed action's effect on the resources. Because the proposed action would affect the resources differently, the geographic scope for each resource may vary. For any resources that participants recommend we analyze for cumulative effects, we are also asking them to recommend the geographic scope that they think is appropriate.

4.1.2 Temporal Scope

The temporal scope of a cumulative effects analysis includes a discussion of past, present, and future actions and their effects on each resource that could be cumulatively affected. For any resource that we identify as potentially having cumulative effects, our

temporal scope will look 30 to 50 years into the future, based on the potential term of a new license, concentrating on the effect on the resource from reasonably foreseeable future actions. The historical discussion will, by necessity, be limited to the amount of available information for each resource area.

4.2 Lake Powell Pipeline Project Effects

Environmental issues and concerns preliminarily identified by the Commission staff are presented below. This identification of issues and concerns is not intended to be exhaustive or final, but is an initial listing of issues we have identified. For convenience, the issues have been listed by resource area.

4.2.1 Geology and Soil Resources

- Effects of active faults on pipeline crossings.
- Effects of rock quality on pipeline excavation methods.
- Effects of rock and geologic structure on probable shaft and tunnel locations.
- Effects of groundwater infiltration on tunnels, shafts, or excavation trenches.
- Amount of dewatering at tunnel, shaft, and excavation trench locations needed to facilitate construction.
- Effects of tunnel construction and/or operation on surrounding groundwater.
- Whether suitable soil and rock characteristics exist at the foundations of the pump station and hydro sites.

4.2.2 Water Resources

- Effects of project proposal on water availability and water use.
- Effects of project construction on water quality and turbidity at project reservoirs and stream crossings.

- Consistency with state and regional water resource planning efforts.
- Integration of water conservation and management programs.
- Effects on water quality in the Virgin River due to intentional or unintentional releases of water.
- Effects of project operation on water temperature and dissolved oxygen profiles at existing project reservoirs, including spatial and temporal trends.
- Effects of project operation on water quality parameters due to the inter-basin transfer of water.
- Effects of project operation on ground water quality in the vicinity of the Sand Hollow reservoir due to artificial aquifer recharge.
- Effects on contamination of water resources resulting from the potential release of petroleum products or other volatile organic chemicals (VOCs) as a result of construction and operation of the project.

4.2.3 Aquatic Resources

- Entrainment of fish from Lake Powell into the proposed project's intake structure, including, but not limited to, the federally-listed razorback sucker (*Xyrauchen texanus*).
- Effects of siltation resulting from project construction at proposed stream crossings.
- Effects of direct or indirect water discharges upon aquatic communities in the Virgin River, including, but not limited to, the federally-listed woundfin minnow (*Plagopterus argentissimus*) and Virgin River chub (*Gila seminude*).
- Effects of proposed construction, operation, environmental measures, and project-related human disturbance on the available aquatic habitat at project reservoirs and stream crossings.
- Effects of proposed construction, operation, and maintenance upon

invertebrate and amphibian communities.

- Potential for invasive species to affect intake withdrawal.
- Potential for pipeline project construction and operation to introduce invasive species, such as zebra, quagga, and other invasive mollusk species.

4.2.4 Terrestrial Resources

- Effects on native plant communities and alteration in species composition as a result of: removal of vegetation for construction of the pipeline and above-ground facilities, extra work space, pipe storage and contractor yards, and access roads dust and erosion.
- Effects of construction activities on the introduction and spread of invasive and noxious plant species.
- Potential for the reestablishment of native vegetation and wildlife habitat along the right-of-way and disturbed areas.
- Direct and indirect effects on local wildlife populations and habitat as a result of: alteration and loss of habitat; direct mortality from construction activities and equipment; displacement of wildlife species; habitat fragmentation; construction and noise disturbance of wildlife located next to construction areas; blocked migration; and trench entrapment.
- Effects of operation and maintenance activities on wildlife species and habitat.
- Effects on wetland and riparian habitat from direct loss of wetland and riparian vegetation, change in distribution of invasive species, such as tamarisk, and alteration in hydrologic regimes.

4.2.5 Threatened and Endangered Species

- Potential direct and indirect effects of pipeline project construction,

operation, and maintenance on federally listed threatened or endangered species, including the Welsh's milkweed, Brady pincushion cactus, Siler pincushion cactus, Utah prairie dog, Southwestern willow flycatcher, and desert tortoise, and special status species, including Gumbo milk-vetch, bald eagle, burrowing owl, ferruginous hawk, Swainson's hawk, and peregrine falcon.

4.2.6 Recreation

- Effects of pipeline project construction, operation, and maintenance on access to the Glen Canyon National Recreation Area.
- Effects of pipeline project construction, operation, and maintenance on Lake Powell recreation, including visual, noise, and dust nuisances and restricted shoreline access.
- Effects of pipeline project construction, operation, and maintenance on access to existing and future recreational activities within the proposed project area, including dispersed recreation.
- Effects of pipeline project construction, operation, and maintenance on scenic corridors and recreational travelers within the proposed project area.
- Effects of pipeline project construction, operation, and maintenance on the Paria River, which is eligible for designation as a Wild and Scenic River under the Federal Wild and Scenic Rivers Act.
- Recreational effects of increased water levels in Sand Hollow reservoir as a result of the proposed project.
- Effects of proposed project easements and rights-of-way on current and future land uses within the proposed project area.
- Effects of pipeline project construction and disposal of project waste materials on current and future land uses within the proposed project area.

4.2.7 Aesthetics and Noise

- Effects of pipeline project construction, operation, and maintenance on aesthetic resources within the proposed project area.
- Effects of the proposed facilities on the proposed project area's visual setting, including the effects of night security lighting and other visual impacts.
- Effects of noise associated with project construction, operation, and maintenance on visitors to the proposed project area.
- Effects of project operations on wildfire risk and fire management.

4.2.8 Archaeological and Historic Resources

- Effects of construction, operation, and maintenance of the proposed pipeline project on historic, archeological, and traditional cultural resources that may be eligible for inclusion in the National Register of Historic Places.

4.2.9 Socioeconomic Resources

- Potential to accommodate or affect population and economic growth.
- Impacts on local and regional socioeconomic resources from pipeline construction and operation.

4.2.10 Developmental Resources

- Economics of the proposed pipeline project and the effects of any recommended environmental measures on the pipeline project's economics.

4.3 Proposed Protection, Mitigation, and Enhancement Measures

After reviewing the studies Utah completes and the recommendations of stakeholders, Utah may propose measures to protect, mitigate, and enhance environmental resources affected by the pipeline project.

5.0 REQUEST FOR INFORMATION

We are asking federal, state, and local resource agencies; Indian tribes; nongovernmental organizations; and other entities and individuals to forward to the Commission any information that will help the Commission and other federal agencies do an accurate and thorough analysis of the site-specific and cumulative effects of licensing and issuing permits for construction of the Lake Powell Pipeline Project. Types of information that we seek include, but are not limited to:

- Information, quantified data, or professional opinion that may contribute to refining the geographic scope of the analysis, including the analysis of cumulative effects, and identifying significant environmental issues;
- Identification of, and information from, any other environmental document or similar study (previous, ongoing, or planned) relevant to the proposed licensing of the project;
- Existing information and any data that would help describe the past, present and future actions and the effects of the project and other developmental activities on environmental and socioeconomic resources;
- Information that would help characterize existing environmental conditions and habitats;
- Identification of any federal, state, or local agency or Indian tribe resource plans and future project proposals in the affected resource area, such as proposals to construct or operate water treatment facilities, recreation areas, or water diversions; timber harvest activities; or fish management programs;
- Documentation of cumulative effects of basin-wide activities, including the project's operation, on resources; and

- Documentation that would support a conclusion that the project does or does not contribute to adverse or beneficial effects on resources and should therefore be excluded from further study or included for further consideration of cumulative effects. Documentation should include, but need not be limited to: how the project interacts with other hydropower projects in the area and other developmental and non-developmental activities; results from studies; resource management policies; and reports from federal, state, and local agencies and Indian tribes.

The requested information should be submitted in writing to the Commission no later July 7, 2008. All filings must clearly identify the following on the first page: Lake Powell Hydroelectric System Project No. 12966-002. Address all communications to:

Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E., Room 1A
Washington, DC 20426

All filings sent to the Secretary of the Commission should contain an original and eight copies. The Commission strongly encourages electronic filings. See 18 CFR 85.2001(a)(1)(iii) and the instructions on the Commission's website (<http://www.ferc.gov>) under the "e-filing" link. For assistance, please contact FERC Online Support at FERCOnlineSupport@ferc.gov or toll-free at 1-(866) 208-3676, or for TTY, (202) 502-8659.

Register online at <http://ferc.gov/esubscribenow.htm> to be notified via e-mail of new filing and issuances related to this or other pending projects. For assistance, contact FERC Online Support.

Any questions concerning scoping or preparation of the EIS for this proposed action should be directed to Jim Fargo at (202)502-6095 or james.fargo@ferc.gov.

6.0 EIS PREPARATION SCHEDULE

At this time we anticipate the need to prepare an EIS (we show our preliminary Outline in section 7). We will prepare a draft EIS, which will be sent to all persons and entities on the Commission's and any cooperating agencies' service and mailing list for the Lake Powell Pipeline Project. The draft EIS will include recommendations for construction and operating procedures, and environmental protection, mitigation, and enhancement measures that should be part of any license issued by the Commission. Recipients will then have 60 days to provide the Commission with written comments on the draft EIS. All comments on the draft EIS filed with the Commission will be considered in the Commission's decision on the Hydro System license application.

Below is the Process Plan and schedule for pre-application activity:

Responsible Entity	Pre-Filing Milestone	Date	FERC Regulation
Federal staffs	NOI and SD1	5/5/08	5.8
		6/09/08-	
Federal staffs	Scoping and Site Visit	6/12/08	5.8(b)(viii)
All stakeholders	NOI/PAD/SD1 comments due	7/07/08	5.9
Federal staffs	Issue SD2 if needed	8/21/08	5.1
State	File Proposed Study Plan	8/21/08	5.11(a)
All stakeholders	Study Plan Meeting	9/22/08	5.11(e)
All stakeholders	Study Plan Comments due	11/19/08	5.12
State	File Revised Proposed Study Plan	12/19/08	5.13(a)
All stakeholders	Revised Proposed Study Plan Comments due	1/05/09	5.13(b)
	FERC OEP Director's and Federal agencies' Study		
Federal staffs	Plan Determination	2/09/09	5.13(c)

7.0 EIS OUTLINE

The preliminary outline for the EIS is as follows:

COVER SHEET
 FOREWORD
 TABLE OF CONTENTS
 LIST OF APPENDICES
 LIST OF FIGURES
 LIST OF TABLES
 ACRONYMS AND ABBREVIATIONS

EXECUTIVE SUMMARY

1. INTRODUCTION

- 1.1. Application
- 1.2. Purpose of Action, Need for Power, Need for Water Supply
- 1.3. Statutory and Regulatory Requirements
 - 1.3.1. Federal Power Act
 - 1.3.1.1. Section 18 Fishway Prescriptions
 - 1.3.1.2. Section 4(e) Conditions
 - 1.3.1.3. Section 10(j) Conditions
 - 1.3.2. Clean Water Act
 - 1.3.3. Endangered Species Act
 - 1.3.4. National Historic Preservation Act
- 1.4. Public Review and Comment
 - 1.4.1. Scoping
 - 1.4.2. Interventions
 - 1.4.3. Comments on the Application
 - 1.4.4. Comments on Draft EIS

2. PROPOSED ACTION AND ALTERNATIVES

- 2.1. No-action Alternative
- 2.2. Applicant's Proposal
 - 2.2.1. Proposed Project Facilities
 - 2.2.2. Proposed Project Operation
 - 2.2.3. Proposed Environmental Measures
 - 2.2.4. Modifications to Applicant's Proposal
- 2.3. Federal Staff Alternatives
- 2.4. Other Alternatives (as appropriate)
- 2.5. Alternatives Considered but Eliminated from Detailed Study

3. ENVIRONMENTAL ANALYSIS

- 3.1. General Description of the River Basin
- 3.2. Scope of Cumulative Effects Analysis
 - 3.2.1. Geographic Scope
 - 3.2.2. Temporal Scope
- 3.3. Proposed Action and Action Alternatives
 - 3.3.1. Geologic and Soil Resources
 - 3.3.2. Aquatic Resources
 - 3.3.3. Terrestrial Resources
 - 3.3.4. Threatened and Endangered Species
 - 3.3.5. Recreation and Land Use
 - 3.3.6. Cultural Resources
 - 3.3.7. Aesthetic Resources
 - 3.3.8. Socioeconomics
- 3.4. No-action Alternative

4. DEVELOPMENTAL ANALYSIS

- 4.1. Power, Water Supply, and Economic Benefits of the Project
- 4.2. Cost of Environmental Measures
- 4.3. Comparison of Alternatives

5. CONCLUSIONS AND RECOMMENDATIONS

- 5.1. Comparison of Effects of Proposed Action and Alternatives
 - 5.2. Comprehensive Development and Recommended Alternative
 - 5.3. Unavoidable Adverse Effects
 - 5.4. Recommendations of Fish and Wildlife Agencies
 - 5.5. Consistency with Comprehensive Plans
 6. LITERATURE CITED
 7. LIST OF PREPARERS
 8. LIST OF RECIPIENTS
- APPENDICES

8.0 LIST OF COMPREHENSIVE PLANS

Section 10(a)(2) of the FPA requires us to consider whether or not, and under what conditions, licensing the project would be consistent with relevant comprehensive plans on the Commission's Comprehensive Plan List. The plans that we consider to be relevant to this project are listed below. We ask agencies to review this list and to inform FERC if any changes are needed. If there are plans that should be added to the list, agencies should file the plans according to 18 CFR 2.19

Utah

- Bureau of Land Management. 1990. Proposed Dixie resource management plan/final environmental impact statement. Department of the Interior, Cedar City, Utah. 240 pp. and maps.
- Bureau of Land Management. 1993. Diamond Mountain resource area management plan and environmental impact statement. Department of the Interior, Vernal, Utah. Spring 1993. Two volumes.
- Forest Service. 1986. Ashley National Forest land and resource management plan. Department of Agriculture, Vernal, Utah. October 8, 1986. 170 pp. and appendices.
- Forest Service. 1990. Fishlake National Forest land and resource management plan. Department of Agriculture, Richfield, Utah. 296 pp. and appendices.
- Forest Service. 2003. Wasatch-Cache National Forest land and resource management plan. Department of Agriculture, Salt Lake City, Utah. March 2003.
- Forest Service. Undated. Manti-LaSal National Forest land and resource management plan. Department of Agriculture, Price, Utah. 192 pp. and appendices.
- Forest Service. 2003. Uinta National Forest land and resource management plan. Department of Agriculture, Provo, Utah. May 2003.

Forest Service. Undated. Dixie National Forest land and resource management plan. Department of Agriculture, Cedar City, Utah. 246 pp. and appendices.
Utah Division of Parks and Recreation. 1987. Statewide Comprehensive Outdoor Recreation Plan (SCORP). Salt Lake City, Utah. December 1987. 435 pp. and appendices.

Arizona

Arizona Outdoor Recreation Coordinating Commission. 1983. Arizona Statewide Comprehensive Outdoor Recreation Plan (SCORP). Phoenix, Arizona. 152 pp.
Arizona Outdoor Recreation Coordinating Commission. 1983. Arizona Statewide Comprehensive Outdoor Recreation Plan-technical document. Phoenix, Arizona. 120 pp. and appendices.
Arizona State Parks. 1989. Arizona rivers, streams and wetlands study. Phoenix, Arizona. 244 pp. and appendices.
Bureau of Land Management. 1991. Final Safford District resource management plan and environmental impact statement. Department of the Interior, Safford, Arizona. August 1991. 504 pp. and map.
Forest Service. 1985. Tonto National Forest plan. Department of Agriculture, Phoenix, Arizona. October 1985. 253 pp.
Forest Service. 1987. Coconino National Forest land and resource plan. Department of Agriculture, Flagstaff, Arizona. 228 pp. and appendices.
U.S. Fish and Wildlife Service. 1978. Unique wildlife ecosystems of Arizona. Department of the Interior, Albuquerque, New Mexico. November 6, 1978.

9.0 INTERESTED PARTIES MAILING LIST

STEVE PERU COUNTY MANAGER
COCONINO COUNTY
219 E CHERRY AVE
FLAGSTAFF AZ 86001

RON WALKER COUNTY
MANAGER
MOHAVE COUNTY
PO BOX 7000
KINGMAN AZ 86402-7000

KANE COUNTY
BOARD OF COMMISSIONERS
KANE COUNTY COURTHOUSE
76 N MAIN ST
KANAB UT 84741

WASHINGTON COUNTY
BOARD OF COMMISSIONERS
WASHINGTON CO ADMIN BLDG
197 E TABERNACLE ST
ST GEORGE UT 84770

IRON COUNTY
BOARD OF COMMISSIONERS
IRON COUNTY COURTHOUSE
PO BOX 429
PAROWAN UT 84761

RICHARD PARSONS MAYOR
BIG WATER TOWN HALL
15 AARON BURR
DRAWER 410127
BIG WATER UT 84741

DAN BROWN MAYOR
CITY OF PAGE
PO BOX 1180
PAGE AZ 86040

DIXIE JUDD MAYOR
CITY OF FREDONIA
CITY HALL
FREDONIA AZ 80622

DAVID DARGER TOWN
MANAGER
TOWN OF COLORADO CITY
25 S CENTRAL ST
COLORADO CITY AZ 86021

DAVID ZITTING MAYOR
TOWN OF HILDALE
HILDALE CITY HALL
PO BOX 840809
HILDALE UT 84784-0809

KIM LAWSON MAYOR
CITY OF KANAB
76 N MAIN ST
KANAB UT 84741

TOWN OF APPLE VALLEY
7803 S 9400 E
APPLE VALLEY UT 84737

DANIEL MCARTHUR MAYOR
CITY OF ST. GEORGE
175 E 200 N
ST GEORGE UT 84770

TERRILL CLOVE MAYOR
WASHINGTON CITY
111 N 100 E
WASHINGTON UT 84780

THOMAS HIRSCHI MAYOR
CITY OF HURRICANE
147 N 870 W
HURRICANE AZ 84737

KARL WILSON MAYOR
LAVERKIN CITY
LAVERKIN CITY ADMIN OFFICE
435 N MAIN ST
LAVERKIN UT 84745

JOHN GROW MAYOR
VIRGIN TOWN
PO BOX 790008
VIRGIN UT 84779

TRUDY LAW MAYOR
TOWN OF LEEDS
LEEDS TOWN HALL
218 N MAIN ST
LEEDS UT 84746

KEN POWELL MAYOR
TOWN OF TOQUERVILLE
PO BOX 27
TOQUERVILLE UT 84774

GALEN ALLRED MAYOR
TOWN OF KANARRAVILLE
TOWN HALL
PO BOX 420148
KANARRAVILLE UT 84742

GERALD SHERRATT MAYOR
CEDAR CITY
10 N MAIN ST
CEDAR CITY UT 84720

ENOCH CITY
900 E MIDVALLEY RD
CEDAR CITY UT 84720

FREDONIA NATURAL RESOURCE
CONSERVATION DISTRICT
PO BOX 32
FREDONIA AZ 86022

LITTLEFIELD-HURRICANE
VALLEY NRCS DISTRICT
C/O FREDONIA FIELD OFFICE
PO BOX 520
FREDONIA AZ 86022

KANE COUNTY SOIL
CONSERVATION DISTRICT
165 W KANAB CREEK DR
KANAB UT 84741

DIXIE SOIL CONSERVATION
DISTRICT
322 W 1300 S
HURRICANE UT 84737

E&I SOIL CONSERVATION
DISTRICT
237 N 400 W
CEDAR CITY UT 84720

RON THOMPSON GEN MGR
WASHINGTON CO WCD
136 N 100 E
ST. GEORGE UT 84770

MIKE NOEL EXEC DIRECTOR
KANE COUNTY WCD
190 W CENTER ST STE 200
KANAB UT 84741

SCOTT WILSON GEN MGR
CENTRAL IRON COUNTY WCD
88 E FIDDLER CYN STE A
CEDAR CITY UT 84720

WASHINGTON COUNTY/
ST GEORGE CITY INTERLOCAL
AGENCY
1835 S MAIN ST
ST GEORGE UT 84790

KANE COUNTY RECREATION &
TRANSPORTATION SSD
76 N MAIN
KANAB UT 84741

KENNETH L SIZEMORE
EXECUTIVE DIRECTOR
5 CO ASSOC OF GOVERNMENTS
PO BOX 1550
ST GEORGE UT 84771

JOE SHIRLEY JR PRESIDENT
 NAVAJO NATION
 PO BOX 9000
 WINDOW ROCK AZ 86515

ONA SEGUNDO CHAIRPERSON
 KAIBAB BAND OF PAIUTES
 TRIBAL COUNCIL
 HC 65 BOX 2
 FREDONIA AZ 86022

LORA TOM CHAIRPERSON
 PAIUTE INDIAN TRIBE OF UTAH
 440 N PAIUTE DR
 CEDAR CITY UT 84720

SELMA SIERRA STATE DIRECTOR
 BUREAU OF LAND MANAGEMENT
 UTAH STATE OFFICE
 PO BOX 45155
 SALT LAKE CITY UT 84145-0155

JOE INCARDINE PROJECT MGR
 BUREAU OF LAND MANAGEMENT
 UTAH STATE OFFICE
 PO BOX 45155
 SALT LAKE CITY UT 84145-0155

MICHAEL DEKEYREL
 LEAD REALTY SPECIALIST
 BUREAU OF LAND
 MANAGEMENT
 PO BOX 45155
 SALT LAKE CITY UT 84145-0155

DWANA FERRIS
 FIELD OFFICE MANAGER
 BUREAU OF LAND MANAGEMENT
 345 E RIVERSIDE DR
 ST GEORGE UT 84790

ELAINE ZIELINSKI
 STATE DIRECTOR
 BUREAU OF LAND MANAGEMENT
 ONE N CENTRAL AVE STE 800
 PHOENIX AZ 85004-4427

ANGELA MOGEL
 AZ REALTY PROGRAM LEAD
 BUREAU OF LAND
 MANAGEMENT
 ONE N CENTRAL AVE STE 800
 PHOENIX AZ 85004-4427

LAURIE FORD
 LAND & MINERALS TEAM LEAD
 BUREAU OF LAND MANAGEMENT
 345 E RIVERSIDE DR
 ST GEORGE UT 84790

KAREN WEISS
 KANAB FIELD MANAGER
 BUREAU OF LAND MANAGEMENT
 190 E CENTER ST
 KANAB UT 84741

RANDY TRUJILLO
 ASSOCIATE FIELD MANAGER
 BUREAU OF LAND
 MANAGEMENT
 176 E DL SARGENT DR
 CEDAR CITY UT 84720

DENNIS POPE
 FIELD OFFICE MANAGER
 BUREAU OF LAND MANAGEMENT
 318 N 100 E
 KANAB UT 84741

RON MONTAGNA
 BUREAU OF LAND MANAGEMENT
 L R & C SURVEY DIVISION
 1849 C ST NW
 WASHINGTON DC 20240

LORRAINE CHRISTIAN
 FIELD OFFICE MANAGER
 BUREAU OF LAND
 MANAGEMENT
 345 E RIVERSIDE DR
 ST GEORGE UT 84790

LARRY WALKOVIK
 REGIONAL DIRECTOR
 BUREAU OF RECLAMATION
 125 S STATE ST
 SALT LAKE CITY UT 84138

KERRY MCCALMAN
 ACTING ASST REGIONAL DIR
 BUREAU OF RECLAMATION
 125 S STATE ST RM 6107
 SALT LAKE CITY UT 84138-1102

BRUCE BARRETT MANAGER
 BUREAU OF RECLAMATION
 PROVO AREA OFFICE
 302 E 1860 S
 PROVO UT 84606

KERRY SCHWARTZ MANAGER
WATER & ENVIRO SECTION
BUREAU OF RECLAMATION
302 E 1860 S
PROVO UT 84606

KEN RICE DIVISION MANAGER
BUREAU OF RECLAMATION
GLEN CANYON FIELD DIVISION
PO BOX 1477
PAGE AZ 86040-1477

LORRI GRAY REG DIRECTOR
BUREAU OF RECLAMATION
LOWER COLORADO REGION
PO BOX 61470
BOULDER CITY NV 89006

DON BRYCE (BC00-4840)
BUREAU OF RECLAMATION
LOWER COLORADO REGION
500 FIR ST
BOULDER CITY NV 89005-2403

MIKE SNYDER REGIONAL DIR
NATIONAL PARK SERVICE
INTERMTN SUPPORT OFFICE
PO BOX 25287
DENVER CO 80225

CHERYL ECKHARDT
CHRIS TURK (MC IMDE-OPE)
NATIONAL PARK SERVICE
12795 W ALAMEDA PKWY
DENVER CO 80225

AMEY HEUSLEIN CHIEF
BUREAU OF INDIAN AFFAIRS
WESTERN REGIONAL OFFICE
400 N 5TH ST #12-2
PHOENIX AZ 85004

PIERRE CANTOU
BUREAU OF INDIAN AFFAIRS
WESTERN REGIONAL OFFICE
400 N 5TH ST #12-2
PHOENIX AZ 85004

ALLEN ANSPACH REGIONAL DIR
BUREAU OF INDIAN AFFAIRS
WESTERN REGIONAL OFFICE
400 N 5TH ST #12-2
PHOENIX AZ 85004

MIKE LORING
REGIONAL ECONOMIST
BUREAU OF RECLAMATION
125 S STATE ST
SALT LAKE CITY UT 84138-1147

WALTER WAIDELICH
ADMINISTRATOR
FEDERAL HIGHWAY ADMIN
2520 W 4700 S STE 9A
SALT LAKE CITY UT 84118-1880

CARLOS MACHADO
ROW OFFICER
FEDERAL HIGHWAY ADMIN
2520 W 4700 S STE 9A
SALT LAKE CITY UT 84118-1880

EDWARD WOOLFORD
NEPA & ROW SPECIALIST
FEDERAL HIGHWAY ADMIN
2520 W 4700 S STE 9A
SALT LAKE CITY UT 84118-1880

ROBERT E HOLLIS
FEDERAL HIGHWAY ADMIN
ONE ARIZONA CENTER STE 410
400 E VAN BUREN ST
PHOENIX AZ 85004-2264

LAYNE PATTON ROW OFFICER
FEDERAL HIGHWAY ADMIN
ONE ARIZONA CENTER STE 410
400 E VAN BUREN ST
PHOENIX AZ 85004

STEVE THOMAS
FEDERAL HIGHWAY ADMIN
ONE ARIZONA CENTER STE 410
400 E VAN BUREN ST
PHOENIX AZ 85004-2264

NORM HENDERSON
COL RIVER COORDINATOR
NATIONAL PARK SERVICE
324 S STATE ST STE 200
SALT LAKE CITY UT 84111

NANCIE AMES DEPUTY SUPT
GLEN CANYON NRA
NATIONAL PARK SERVICE
PO BOX 1507
PAGE AZ 86040

BARBARA WILSON
ENVIRONMENTAL SPECIALIST
NATIONAL PARK SERVICE
PO BOX 1507
PAGE AZ 86040

JOHN HISCOCK
SUPERINTENDENT
PIPE SPRING NATL MONUMENT
HC 65 BOX 5
406 N PIPE SPRING RD
FREDONIA AZ 86022

STEPHEN GUERTIN REG DIR
US FISH AND WILDLIFE SERVICE
PO BOX 25486
DENVER FEDERAL CENTER
DENVER CO 80225

DAVE CARLSON (D60120)
US FISH & WILDLIFE SERVICE
MOUNTAIN-PRAIRIE REG OFFICE
134 UNION BLVD STE 645
DENVER CO 80225-0486

DR BENJAMIN TUGGLE
REGIONAL DIRECTOR
US FISH AND WILDLIFE SERVICE
PO BOX 1306
ALBUQUERQUE NM 87103-1306

STEPHEN ROBERTSON
US FISH & WILDLIFE SERVICE
SW REGIONAL OFFICE
PO BOX 1306
ALBUQUERQUE NM 87103-1306

LARRY CRIST
FIELD OFFICE SUPERVISOR
US FISH AND WILDLIFE SERVICE
2369 W ORTON CIRCLE STE 50
W VALLEY UT 84119

PAUL ABATE
US FISH AND WILDLIFE SERVICE
UTAH FIELD OFFICE
2369 W ORTON CIRCLE STE 50
W VALLEY UT 84119

STEVE SPANGLE
FIELD OFFICE SUPERVISOR
US FISH AND WILDLIFE SERVICE
2321 W ROYAL PALM BLVD
PHOENIX AZ 85021

BRENDA SMITH
ASSISTANT FIELD SUPERVISOR
US FISH AND WILDLIFE SERVICE
323 N LEROUX ST STE 101
FLAGSTAFF AZ 86001

SAMUEL LOFTIN
GENERAL ENGINEER
WESTERN AREA POWER ADMIN
150 E SOCIAL HALL AVE STE 300
SALT LAKE CITY UT 84111

CLAYTON PALMER
ENVIRONMENTAL TEAM LEAD
WESTERN AREA POWER ADMIN
150 E SOCIAL HALL AVE STE 300
SALT LAKE CITY UT 84111

BRADLEY WARREN
CRSP MANAGER
WESTERN AREA POWER ADMIN
150 E SOCIAL HALL AVE STE 300
SALT LAKE CITY UT 84111

ROBERT E ROBERTS
ADMINISTRATOR
US ENVIRO PROTECTION AGENCY
1595 WYNKOOP ST
DENVER CO 80202-1129

DEB LEBOW-AAL
NEPA COORDINATOR
US ENVIRO PROTECTION
AGENCY
1595 WYNKOOP ST
DENVER CO 80202

WAYNE NASTRI ADMINISTRATOR
US ENVIRO PROTECTION AGENCY
REGION 9
75 HAWTHORN ST CED-2
SAN FRANCISCO CA 94105

ANN MCPHERSON MANAGER
ENVIRO REVIEW OFFICE
US ENVIRO PROTECTION AGENCY
75 HAWTHORN ST CED-2
SAN FRANCISCO CA 94105

LAURA FUJI LEAD
US ENVIRO PROTECTION
AGENCY
REGION 9
75 HAWTHORN ST CED-2
SAN FRANCISCO CA 94105

COLONEL THOMAS H MAGNESS IV
DISTRICT COMMANDER
US ARMY CORPS OF ENGINEERS
PO BOX 2711
LOS ANGELES CA 90053-2325

COLONEL TOM CHAPMAN
DISTRICT COMMANDER
US ARMY CORPS OF ENGINEERS
1325 J ST
SACRAMENTO CA 95814-2922

JASON GIPSON SECTION CHIEF
US ARMY CORPS OF ENGINEERS
533 W 2600 S STE 150
BOUNTIFUL UT 84010

KARA HELDIGE
US ARMY CORPS OF ENGINEERS
SACRAMENTO DISTRICT
799 E 3RD ST #2
DURANGO CO 81301

CYNTHIA LESTER
US ARMY CORPS OF ENGINEERS
3636 N CENTRAL AVE STE 900
PHOENIX AZ 85012

SCOTT ESTERGARD
WATER RESOURCES PLANNER
US ARMY CORPS OF ENGINEERS
3636 N CENTRAL AVE STE 900
PHOENIX AZ 85012

LAWRENCE JENSEN
US DEPT OF THE INTERIOR
OFFICE OF REGIONAL SOLICITOR
125 S STATE ST
SALT LAKE CITY UTAH 84138-1180

VERONICA LARVIE
US DEPT OF THE INTERIOR
OFFICE OF REGIONAL SOLICITOR
125 S STATE ST ROOM 6201
SALT LAKE CITY UT 84138-1147

ROBERT STEWART
US DEPT OF THE INTERIOR
OFFICE OF ENVIRO POLICY
PO BOX 25007 (D-108)
DENVER CO 80225-0007

RON ECKFIELD
DISTRICT CONSERVATIONIST
NRCS
1585 S PLAZA WAY STE 120
FLAGSTAFF AZ 86001-7156

LYNN KITCHEN
DISTRICT CONSERVATIONIST
N R C S
196 E TABERNACLE
ST GEORGE UT 84770-3467

THOMAS KARL DIRECTOR
NATL CLIMATIC DATA CENTER
FEDERAL BUILDING
151 PATTON AVENUE
ASHEVILLE NC 28801-5001

CATHY LACY ILLIAN
REGIONAL DIRECTOR
US CENSUS BUREAU
6900 W JEFFERSON AVE STE 100
LAKEWOOD CO 80235-2032

PATRICK LAMBERT DIST DIR
US GEOLOGICAL SURVEY
UTAH WATER SCIENCE CENTER
2329 W ORTON CIR
W VALLEY CITY UT 84119-2047

JOHN HOFFMANN DIRECTOR
US GEOLOGICAL SURVEY
AZ WATER & SCIENCE CENT
520 N PARK AVE STE 221
TUCSON AZ 85719

ROBERT HART CHIEF
US GEOLOGICAL SURVEY
SW BIO SCIENCE CENTER
2255 N GEMINI DR
FLAGSTAFF AZ 86001

MICHAEL SHULTERS DIRECTOR
USGS-CA WATER SCIENCE CENT
345 MIDDLEFIELD ROAD MS 470
MENLO PARK CA 94025

JOHN EARL NIXON DIRECTOR
OFFICE OF PLANNING &
BUDGET
PO BOX 142210
STATE CAPITOL STE E210
SALT LAKE CITY UT 84114-2210

JOHN R NJORD
 EXECUTIVE DIRECTOR
 U D O T
 4501 S 2700 W
 SALT LAKE CITY UT 84119-5998

DAL HAWKS PE MBA
 UTAH DEPT OF
 TRANSPORTATION
 1345 S 350 W
 RICHFIELD UT 84701

ROBERT DOWELL DIST
 ENGINEER
 U D O T
 RICHFIELD DISTRICT
 708 S 100 W
 RICHFIELD UT 84701

RANDALL TAYLOR PE
 UDOT
 REGION 4
 1345 S 350 W
 RICHFIELD UT 84701

NANCY JEROME PE
 UDOT
 REGION 4
 1345 S 350 W
 RICHFIELD UT 84701

KEVIN S CARTER DIRECTOR
 UT SITLA ADMINISTRATION
 675 E 500 S STE 500
 SALT LAKE CITY UT 84102-2818

DOUGLAS BUCHI ASST DIRECTOR
 UT SITLA ADMINISTRATION
 675 E 500 S STE 500
 SALT LAKE CITY UT 84102-2818

KENNETH WILDE
 UT DIV OF DRINKING WATER
 PO BOX 144830
 SALT LAKE CITY UT 84114-4830

KEN BOUSFIELD DIRECTOR
 UT DIV OF DRINKING WATER
 PO BOX 144830
 SALT LAKE CITY UT 84114-4830

WALTER BAKER DIRECTOR
 UT DIVISION OF WATER QUALITY
 288 N 1460 W
 SALT LAKE CITY UT 84114-4870

SHELLY QUICK
 ENVIRONMENTAL SCIENTIST
 UT DIVISION OF WATER QUALITY
 288 N 1460 W
 SALT LAKE CITY UT 84114-4870

JOHN MACKEY PE ENGINEER
 UT DIVISION OF WATER
 QUALITY
 288 N 1460 W
 SALT LAKE CITY UT 84114-4870

BRUCE HAMILTON
 DEPUTY DIRECTOR OPERATIONS
 UT DIV PARKS AND RECREATION
 1594 W NORTH TEMPLE
 SALT LAKE CITY UT 84114-6001

MARY TULLIUS DIRECTOR
 UT DIV PARKS AND RECREATION
 1594 W NORTH TEMPLE
 SALT LAKE CITY UT 84114-6001

BILL MAUGHAN
 WATER RIGHTS COORDINATOR
 UT DIV PARKS AND
 RECREATION
 1594 W NORTH TEMPLE
 SALT LAKE CITY UT 84114-6001

LARRY GRAY REGION MANAGER
 UT DIV PARKS AND RECREATION
 SW REGION OFFICE
 585 N MAIN ST
 CEDAR CITY UT 84720

JAMES KARPOWITZ DIRECTOR
 UTAH DIV WILDLIFE RESOURCES
 1594 W NORTH TEMPLE
 SALT LAKE CITY UT 84114-6301

CARMEN BAILEY
 IMPACT ANALYSIS COORD
 UT DIV OF WILDLIFE
 RESOURCES
 1594 W NORTH TEMPLE
 SALT LAKE CITY UT 84114-6301

REGIONAL MANAGER
UT DIV OF WILDLIFE RESOURCES
PO BOX 606
CEDAR CITY UT 84721-0606

NEIL PERRY
UT DIV OF WILDLIFE RESOURCES
PO BOX 606
CEDAR CITY UT 84721-0606

REED HARRIS DIRECTOR
DEPT OF NATURAL RESOURCES
SPECIES RECOVERY PROGRAMS
PO BOX 145610
SALT LAKE CITY UT 84114-5610

JERRY OLDS DIRECTOR
UT DIVISION OF WATER RIGHTS
1594 W NORTH TEMPLE
SALT LAKE CITY UT 84114-6300

NATHAN MOSES
ASSISTANT REGIONAL MANAGER
UT DIVISION OF WATER RIGHTS
PO BOX 506
CEDAR CITY UT 84721-0506

KURT VEST REGIONAL
ENGINEER
UT DIVISION OF WATER RIGHTS
PO BOX 506
CEDAR CITY UT 84721-0506

RICHARD ALLIS DIRECTOR
UTAH GEOLOGICAL SURVEY
1594 W NORTH TEMPLE
SALT LAKE CITY UT 84114-6100

WILSON MARTIN DIRECTOR
UTAH STATE HISTORIC
PRESERVATION OFFICE
300 S RIO GRANDE ST
SALT LAKE CITY UT 84101

PHILIP F NOTARIANNI
DIRECTOR
UTAH STATE HISTORICAL SOC
300 RIO GRANDE ST
SALT LAKE CITY UT 84101-1182

DENNIS GOREHAM MANAGER
AUTOMATED GEOGRAPHIC
REFERENCE CENTER
1 STATE OFFICE BLDG RM 5130
SALT LAKE CITY UT 84114

VICTOR MENDEZ DIRECTOR
AZ DOT
206 S 17TH AVE
MAIL DROP 100 A
PHOENIX AZ 85007

CHUCK HOWE
ENVIRONMENTAL
COORDINATOR ADOT
1801 S MILTON ROAD
FLAGSTAFF AZ 86001-6311

AUDRA MERRICK PE
DEVELOPMENT ENGINEER
ADOT
1801 S MILTON ROAD
FLAGSTAFF AZ 86001-6311

HERB GUENTHER DIRECTOR
AZ DEPT OF WATER RESOURCES
3550 N CENTRAL AVENUE
PHOENIX AZ 85012

DUANE L SHROUFE DIRECTOR
AZ GAME & FISH DEPARTMENT
5000 W CAREFREE HIGHWAY
PHOENIX AZ 85086

DAVID WEEDMAN
AQUATIC HABITAT COORD
AZ GAME & FISH DEPARTMENT
2222 W GREENWAY ROAD
PHOENIX AZ 85023

RON SIEG REG SUPERVISOR
AZ GAME AND FISH DEPT
FLAGSTAFF REGIONAL OFFICE
3500 S LAKE MARY ROAD
FLAGSTAFF AZ 86001

ANDI ROGERS DEPT LEAD
AZ GAME AND FISH DEPT
FLAGSTAFF REGIONAL OFFICE
3500 S LAKE MARY ROAD
FLAGSTAFF AZ 86001

CHUCK BENEDICT
AZ GAME AND FISH DEPT
FLAGSTAFF REGIONAL OFFICE
3500 S LAKE MARY ROAD
FLAGSTAFF AZ 86001

LEE ALLISON STATE GEOLOGIST
ARIZONA GEOLOGICAL SURVEY
416 W CONGRESS STE 100
TUCSON AZ 85701

ANN HOWARD ARCHEOLOGIST
ARIZONA STATE HISTORIC
PRESERVATION OFFICE
1300 W WASHINGTON ST
PHOENIX AZ 85007

JAMES GARRISON DIRECTOR
ARIZONA STATE HISTORIC
PRESERVATION OFFICE
1300 W WASHINGTON
PHOENIX AZ 85007

WILLIAM PONDER CHIEF
ADMINISTRATIVE OFFICER
AZ STATE HISTORICAL SOCIETY
949 E 2ND ST
TUCSON AZ 85719

STEVE OWENS DIRECTOR
AZ DEPT OF ENVIRO QUALITY
1110 W WASHINGTON ST
PHOENIX AZ 85007

LINDA TAUNT DEPUTY DIRECTOR
WATER QUALITY DIVISION
AZ DEPT OF ENVIRO QUALITY
1110 W WASHINGTON ST
PHOENIX AZ 85007

JOAN CARD DIRECTOR
WATER QUALITY DIVISION
AZ DEPT OF ENVIRO QUALITY
1110 W WASHINGTON ST
PHOENIX AZ 85007

YVONNE YOUNG HYDROLOGIST
WATER QUALITY DIVISION
AZ DEPT OF ENVIRO QUALITY
1110 W WASHINGTON ST
PHOENIX AZ 85007

MARK WINKLEMAN
STATE LAND COMMISSIONER
ARIZONA STATE LANDS DEPT
1616 W ADAMS ST
PHOENIX AZ 85007

BRIAN BABIARS EXEC DIRECTOR
WESTERN ARIZONA COUNCIL OF
GOVERNMENTS
224 S 3RD AVENUE
YUMA AZ 85364

KENNETH SWEET EXEC DIR
NORTHERN ARIZONA COUNCIL
OF GOVERNMENTS
119 E ASPEN AVENUE
FLAGSTAFF AZ 86001-5222

CENTRAL ARIZONA WATER
CONSERVATION DISTRICT
24830 E NONA RD
RED ROCK AZ 85245

DAVID WEGNER
GLEN CANYON INSTITUTE
1520 SUNNYDALE LN
SALT LAKE CITY UT 84108

DAVE WEGNER
GLEN CANYON INSTITUTE
2609 COLUMBINE AVE
DURANGO CO 81301

GRAND CANYON TRUST
THE HOMESTEAD
ROUTE 4 BOX 718
FLAGSTAFF AZ 86001

PAUL VAN DAM
CITIZENS FOR DIXIE'S FUTURE
PO BOX 161
HURRICANE UT 84737

MERRITT FREY
UTAH RIVERS COUNCIL
1055 E 2100 S STE 207
SALT LAKE CITY UT 84106

WAYNE HOSKISSON CHAIR
SIERRA CLUB UTAH CHAPTER
2159 S 700 E STE 210
SALT LAKE CITY UT 84106

JIM WEXLER
UTAH CHAPTER SIERRA CLUB
2159 S 700 E STE 210
SALT LAKE CITY UT 84106-4339

SCOTT GROENE
SOUTHERN UTAH WILDERNESS
ALLIANCE
425 E 100 S
SALT LAKE CITY UT 84111

RICHARD ROOS-COLLINS
NATURAL HERITAGE INSTITUTE
100 PINE ST STE 1550
SAN FRANCISCO CA 94111

JULIE GANTENBEIN
NATURAL HERITAGE INSTITUTE
1423 MARSHALL ST
HOUSTON TX 77006

DUANE L OSTLER
C/O SNOW JENSEN AND REECE
TONAQUINT BUS PARK BLDG B
912 W 1600 S STE 200
ST GEORGE UT 84770

JOHN WEISHEIT
CONSERVATION DIRECTOR
LIVING RIVERS CO RIVERKEEPER
PO BOX 466
MOAB UT 84532

JOHN SEEBACH DIRECTOR
HYDROPOWER REF INITIATIVE
AMERICAN RIVERS
1101 14TH ST NW STE 1400
WASHINGTON DC 20005

ALICE E WALKER
GREENE MYER AND MCELROY
PC
1007 PEARL ST STE 220
BOULDER CO 80302

SOREN JESPERSEN
OUTREACH COORDINATOR
FRIENDS OF THE RIVER
915 20TH ST
SACRAMENTO CA 95814

CURTIS CESSPOOCH CHAIRMAN
UTE INDIAN TRIBE
988 E 7500 S
PO BOX 190
FORT DUCHESNE UT 84026

JOE NORMAN COOEYATE
PUEBLO OF ZUNI
PO BOX 339
1203B STATE HWY 53
ZUNI NM 87327

RANAE PETE BAND
CHAIRWOMAN
CEDAR BAND OF PAIUTE INDIANS
PO BOX 235
CEDAR CITY UT 84721

JEANINE BORCHARDT CHAIR
INDIAN PEAKS BAND OF PAIUTES
PO BOX 973
CEDAR CITY UT 84721

PHIL PIKYAVIT BAND
CHAIRMAN
KANOSH BAND OF PAIUTE
INDIANS
PO BOX 101
KANOSH UT 84637

CYNDI CHARLES CHAIRWOMAN
KOOSHAREM BAND OF PAIUTES
PO BOX 700
RICHFIELD UT 84701

GLENN ROGERS BAND
CHAIRMAN
SHIVWITS BAND OF PAIUTES
PO BOX 448
SANTA CLARA UT 84765

TEN SWEET DIRECTOR
NORTHERN AZ COUNCIL OF
GOVERNMENTS
119 E ASPEN AVE
FLAGSTAFF AZ 86001-5222

Document Content(s)

19207097.DOC.....1-34